Catalog Home

Louisiana Delta Community College

2012 – 2013

Academic Catalog

August 2012

Monroe
Louisiana Delta Community College

7500 Millhaven Road
Monroe, Louisiana 71203
1-866-500-5322 (toll free)
1-318-345-9000
www.ladelta.edu

Louisiana Delta Community College is a member of the Louisiana Community and Technical College System (LCTCS).

This publication contains existing policies and information obtained from the appropriate College officials and is intended to be complete and accurate; however, the College reserves the right to make administrative and policy changes regarding any information contained in this publication without prior notice. In addition, information contained in the publication shall not constitute a binding agreement on the part of the College. For the most up-to-date policies, please consult the catalog published electronically on our website.

Louisiana Delta Community College does not discriminate in its education and employment programs on the basis of religion; age; race; color; national origin; gender; marital or parental status or disability and complies with Title VI of the Civil Rights Act of 1964, Title IX Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990. Inquiries regarding Title VI, Title IX, 504 and ADA may be made to the Director of Counseling and Disability Services, 7500 Millhaven Road, Monroe, LA, 71203, 318-345-9000.

Academic Calendar
Official Academic Calendar
Fall 2012

Semester Begins: August 20, 2012
W Deadline 6 Week Session: September 14, 2012
End of 6 Week Session: September 24, 2012
W Deadline Full Semester: October 26, 2012
Semester Ends: December 6, 2012
Graduation: December 17, 2012

Admissions/Financial Aid Priority Deadline for Fall 2012: April 15, 2012

July
27-29-Jul Mail Fall 2012 Early Registration Bills

August
8-Aug Early Registration Payment Due by 11:30 AM
14-Aug Alpha Registration 8:30 - 6:00 (CLOSED 11:30-12:30 LUNCH)
15-Aug Alpha Registration 8:30 - 6:00 (CLOSED 11:30-12:30 LUNCH)
16-Aug Open Registration 8:00 - 4:30 (CLOSED 12-12:30 LUNCH)
17-Aug “Mandatory Orientation for All Delta Home Campus Online Classes Location: Main Campus / Time 1:30 PM”
20-Aug Classes Begin
20-22 Aug “Add/Drop (First Three Days of Semester) Late Registration ($25 Fee) First Three Days of Semester 100% Refund Period for Drop/Registration”
23 Aug 75% Refund (Tuition Only) For Resignation
27-30 Aug Deadline for Resignation 50% Refund (Tuition Only)

September
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-Sep</td>
<td>Labor Day -College Closed</td>
</tr>
<tr>
<td>14 Sep</td>
<td>Deadline to Withdraw (W) from a Class in a 6 Week Session</td>
</tr>
<tr>
<td>28-Sep</td>
<td>Last Day of Class 6 Week Session</td>
</tr>
</tbody>
</table>

**October**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-Oct</td>
<td>Fall Break-No Classes</td>
</tr>
<tr>
<td>8-Oct</td>
<td>Classes Resume</td>
</tr>
<tr>
<td>26-Oct</td>
<td>CINS 101 Challenge Exam 1:00 PM</td>
</tr>
<tr>
<td>26-Oct</td>
<td>Last Day to Withdraw (W) from a Class for the Fall Semester</td>
</tr>
<tr>
<td>29-Oct</td>
<td>Early Registration for Spring 2013 Begins</td>
</tr>
</tbody>
</table>

**November**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-Nov</td>
<td>Early Registration for Spring 2013 Ends</td>
</tr>
<tr>
<td>15-Nov</td>
<td>Deadline to Apply for Financial Aid for Spring 2013</td>
</tr>
<tr>
<td>19-24-Nov</td>
<td>Thanksgiving Break-No Classes</td>
</tr>
<tr>
<td>22-23-Nov</td>
<td>College Closed for Thanksgiving Break</td>
</tr>
<tr>
<td>26-Nov</td>
<td>Classes Resume</td>
</tr>
</tbody>
</table>

**December**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-6 Dec</td>
<td>Final Exam Week</td>
</tr>
<tr>
<td>17-Dec</td>
<td>Graduation</td>
</tr>
<tr>
<td>12-14 Dec</td>
<td>Mail Bills for Spring 2013</td>
</tr>
<tr>
<td>19 Dec-1 Jan</td>
<td>College Closed</td>
</tr>
</tbody>
</table>
Official Academic Calendar
Spring 2013

Semester/ Six Week Session Begins: January 14, 2013
W Deadline 6 Week Session: February 15, 2013
End of 6 Week Session: February 22, 2013
W Deadline Full Semester: April 3, 2013
Eight Week Session Begins: March 4, 2013
W Deadline Eight Week Session: April 3, 2013
Semester/ Eight Week Session Ends: May 11, 2013
Graduation: May 17, 2013

Admissions/Financial Aid Priority Deadline for Spring 2013: November 15, 2012

January

2-Jan College Open for Business
4-Jan Early Registration Payment Due by 11:30 AM
8-Jan Alpha Registration 8:30 - 6:00 (Closed 11:30-12:30 Lunch) Payment Due by 6:00 PM
9-Jan Alpha Registration 8:30 - 6:00 (Closed 11:30-12:30 Lunch) Payment Due by 6:00 PM
10-Jan Open Registration 8:00 - 4:30 (Closed 12-12:30 Lunch) Payment Due by 4:30 PM
14-Jan Classes Begin Regular Semester and Six Week Session
14-15 Jan "Add/ Drop (First Three Days of Semester) Late Registration ($25 Fee) First Three Days of Semester 100% Refund Period for Withdrawal/ Resignation”
21-Jan Martin Luther King Jr. Holiday-No Classes
23-24 Jan 75% Refund (Tuition Only) for Resignation
25-31 Jan 50% Refund (Tuition Only) for Resignation Begins
# February

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-Feb</td>
<td>Last Day to Withdraw (W Grade) from a 6 Week Session Course</td>
</tr>
<tr>
<td>11-13 Feb</td>
<td>Mardi Gras - No Classes</td>
</tr>
<tr>
<td>14-Feb</td>
<td>Classes Resume</td>
</tr>
<tr>
<td>22-Feb</td>
<td>End of 6 Week Session March</td>
</tr>
</tbody>
</table>

# March

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-Mar</td>
<td>Eight Week Session Begins</td>
</tr>
<tr>
<td>15-Mar</td>
<td>Deadline to Apply for Financial Aid for Summer 2013</td>
</tr>
<tr>
<td>21-Mar</td>
<td>ULM Day at Delta</td>
</tr>
<tr>
<td>25-Mar-1-Apr</td>
<td>Spring Break No Classes</td>
</tr>
</tbody>
</table>

# April

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Apr</td>
<td>Classes Resume</td>
</tr>
<tr>
<td>3-Apr</td>
<td>Deadline to Withdraw (W Grade) From A Class for the Spring Semester</td>
</tr>
<tr>
<td>15-Apr</td>
<td>Deadline to Apply for Financial Aid for Fall 2013</td>
</tr>
<tr>
<td>22-Apr</td>
<td>Deadline to Withdraw (W Grade) from Eight Week Session Class</td>
</tr>
</tbody>
</table>
### May

1-May  | Mail Bills for Summer 2013
6-9 May | Final Exam Week Regular Semester and Eight Week Session
17 May  | Graduation

---

### Official Academic Calendar

**Summer 2013**

<table>
<thead>
<tr>
<th>Session I-A</th>
<th>May 28 - Aug 1, 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>W Deadline Session A</td>
<td>July 11, 2012</td>
</tr>
<tr>
<td>Session I-B</td>
<td>May 28-June 27, 2013</td>
</tr>
<tr>
<td>W Deadline Session B</td>
<td>June 18, 2013</td>
</tr>
<tr>
<td>Session II-C</td>
<td>July 1 - Aug 1, 2013</td>
</tr>
<tr>
<td>W Deadline</td>
<td>July 24, 2013</td>
</tr>
</tbody>
</table>

**Admissions/Financial Aid Priority Deadline for Summer 2013:** March 15, 2013

---

### May

2-4 May  | Summer Bills will be Mailed
21-May  | Early Registration Payment Deadline 3:30 AM
23-May  | Dead Day No Schedule Adjustments or Registration
24-May  | "Alpha Registration 8:00 AM - 5:00 PM (Closed from 11:30 - 12:30 for Lunch) See Registration Chart Below"
for Alpha Times”

24-May “Open Registration 8:00 AM - 5:00 PM Purge Unpaid SU A/B Registration Schedules”
24-May Internet Orientation-Mandatory for all Online Classes 6:00 PM
27-May Memorial Day -- Offices Closed
28-May Classes Begin- Late Registration Session I A/B ($25 Late Registration Fee)
28-30 May Add/ Drop Session I A/B 100% Refund for Drop/ Resignation
31-May Deadline to Resign Session I (A/B) Classes Resignation: 75% Refund of Tuition Only

**June**

3-5 June Resignation to receive a 50% refund for Summer Sessions A and/or B
5-June Final Purge for non-payment and No Show students for Summer Sessions A & B
13-June (60% rule) Federal Aid students who resign on or before this date for Summer Session B may owe money back.
18-Jan Final date to drop with a 'W' grade for Summer Session B
24-June Early Registration ends for Summer Session C
25-June Fee Payment deadline for Summer Session C 3:30 pm
27-June Final Exams and last day of term for Summer Session B
28-June Registration for Summer Session C re-opens with no late fee

**July**

2-Jul Classes Begin-Session C
1-3 Jul Late Registration ($25.00 Late Fee) and Add/Drop Summer Sessions A & B in the Conference Room
4-Jul Independence Day Holiday- -No Classes--Offices Closed
5-Jul “Classes Resume Deadline to Resign Session II-C Classe/ Resignation: 75% Refund of Tuition Only” Fee Payment Deadline for Summer Session C Late Registration and Adds by 3:30 pm
8-10 Jul Resignation to receive a 50% refund for Summer Session C.
8-Jul (60% rule) Federal Aid students who resign on or before this date for Summer Session A may owe money back.
11-Jul Final date to drop with a 'W” grade for Summer Session A
(60% rule) Federal Aid students who resign on or before this date for Summer Session C may owe money back.

Final date to drop with a "W" grade for Summer Session C

August

Final Exam Day/End of Term Session I (A) and Session II-C

Grades to Registrar by 11:30 AM Summer Ter I-A/II-C

Degree Award Date For Summer Graduates

All dates subject to change. Please consult the academic calendar posted to the website www.ladelta.edu for the most current corrections and additions.

College History, Mission, and Philosophy

History

Louisiana Delta Community College is an open-admissions college that offers two-year degree programs, certificates, and courses for personal or professional growth. Louisiana Delta Community College was created by the Louisiana Legislature through Act 1369 of the 1997 Regular Session and Act 151 of the 1998 First Extraordinary Session in the area of the Monroe Regional Planning and Economic Development District, an area in northeast Louisiana covering the Mississippi Delta. The institution is managed by the Louisiana Community and Technical College System (LCTCS) with Dr. Luke Robins serving as Chancellor. Delta held its inaugural semester of classes in Fall 2001.

Since it began offering classes in 2001, Louisiana Delta Community College has consistently ranked among the best in the nation in student satisfaction. Summer 2009, Louisiana Delta Community College was accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate degrees.

The year 2010 marks a growth spurt and expansion for the college. In June, the construction for Louisiana Delta Community College’s new home was complete. Sitting just under 70 acres of land, the main building, the Louisiana Purchase Building stands complete with 128,000 sq. ft. When determining the potential name of the building, the thought was to have it reflect the history and tradition of the state. Unbeknownst to anyone, was that the problems the state faced in purchasing the land would lead them all the way back to the Louisiana Purchase in 1804. It took 4-5 months to get the issue resolved and the pertinent document needed to do so, was found in the National Archives in Washington, DC. It was said jokingly, that the building should be named “The Louisiana Purchase Building” because of the difficulty surrounding the purchase, but after the laughter subsided, it was deemed the perfect idea. The Advanced Technology Center proudly resides beside it with 28,000 sq. ft. Fall 2010 students will begin classes in a place that is technology driven and their needs at the heart of the operation.
July 2010 witnessed the first consolidation Louisiana Delta Community College would see. LA Delta merged with Louisiana Technical College at Tallulah and Louisiana Technical College at Lake Providence. The second round of consolidations would come later in July 2012. At that time, LA Delta merged with the five campuses (Bastrop, Farmerville, Ruston, West Monroe, and Winnboro) of Northeast Louisiana Technical College and LiteracyLINC, the adult education program. The college’s name remained Louisiana Delta Community College with the city indicating specific campuses. LiteracyLINC came under the Workforce Development program and its name became "DeltaLINC".

Together, these campuses and DeltaLINC form a powerhouse of offerings for neighboring students and businesses. We pride ourselves on the ability to offer small classes, one-to-one instruction from faculty, and a friendly, supportive staff. We are also an affordable educational option; creating an environment that makes it possible for our students to succeed, no matter what the educational background may be.

At Louisiana Delta Community College, the goal of excellence is always the target. That’s why our motto is: "Delta…more than a place…it’s an attitude."

Mission

Louisiana Delta Community College, an open-admissions, comprehensive community college, provides the citizens of northeast Louisiana with affordable and accessible high quality educational programs, services, and modern workforce training. Supported by the Louisiana Community and Technical College System, a dedicated faculty and staff fulfill this mission through their commitment to student achievement, academic excellence, lifelong learning, and the use of current technology.

Philosophy

Delta maintains an educational environment that promotes integrity and critical inquiry in students, encourages the achievement of students’ full potential, fostering within them a keen desire for lifelong learning in an intellectually stimulating atmosphere.

Facilities

Locations

Main/Monroe

(318) 345-9000
7500 Millhaven Rd
Monroe, LA 71203

Bastrop

(318) 283-0836
729 Kammell St.
Bastrop, LA 71221

Farmerville
Accreditation and Articulation

Institutional and Programmatic Accreditation

Louisiana Delta Community College is accredited with the Commission on Colleges of the Southern Association of Colleges and Schools to award associate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4501 for questions about the accreditation status of Louisiana Delta Community College.

Articulation of Course Credit

Delta was established as a member of the Board of Regents General Education Articulation Matrix Committee in 2001. The General Education Matrix is a guide for determining course equivalencies among Louisiana’s public institutions of higher education. While most of these courses will transfer for credit between and among Louisiana’s institutions, students must remember that these courses may or may not be applied to a particular degree program. Students should note that this matrix is
limited to those general education courses for which full credit would likely be granted by most other Louisiana colleges and universities. The URL for the Matrix is http://www.regents.louisiana.gov/ (under Data and Publications). Additionally, the Board of Regents has developed the Electronic Statewide Student Transfer Guide, which is an interactive electronic database of course equivalencies among Louisiana’s public institutions of higher education. The URL is http://www.regents.state.la.us/articulation.html.

In addition to these two resources, students are encouraged to contact Delta to inquire about the transferability of specific courses and institutional agreements established with area universities and the Louisiana Technical College. Delta has a crosswalk listing transferable courses to local universities. Delta will continue to work to secure articulation agreements that allow students maximum transferability of coursework. Students are advised to check with the admissions office of the receiving institution to confirm transferability of credit.

Delta’s Foundation

Foundation

Louisiana Delta Community College Foundation is a not-for-profit organization formed to provide financial assistance to Delta students. The Foundation also exists to ensure that Delta has the resources to meet its expected high level of academic excellence.

The Foundation’s members are community leaders who represent small to large businesses in Northeast Louisiana. Many of these founders have personally experienced the benefits of a community college and share in the vision of improvement in education in Northeast Louisiana.

Northeast Louisiana must continue to attract jobs and industry that will bring a better quality of life for all our citizens. Furthermore, all citizens have a stake in the success of our area’s economy and should have the opportunity to participate in building it. Louisiana Delta Community College, with generous support through the Louisiana Delta Community College Foundation, can provide these opportunities with scholarships and support for much-needed instruction.

Advisory Committees

Delta utilizes advisory committees to ensure that the College is meeting the needs of the community. The Chancellor’s Cabinet advises the Chancellor on developing long- and short-range plans for the College and acts as liaison between the College and the community. Advisory committees may consist of professional and community representatives, as well as representatives from Delta faculty, administrators, students and graduates. Annual or biannual meetings allow for discussions relative to programmatic curriculum modifications or revisions based on student academic and clinical performance, graduate credentialing examination results, employer feedback on graduate entry-level performance and identified needs of the job market. Advisory committees are established for degree programs in Health Sciences, Care and Development of Young Children, Process Technology, Business and Technology and Nursing.

Advisory Committee recommendations that require administrative action to be implemented are presented to the appropriate Dean, Vice Chancellor and/or other College standing committees for review, approval and possible implementation. The appropriate administrator, program director, or coordinator maintains minutes of advisory committee meetings to be distributed to committee members.

LCTCS Board Members
Dr. Joe May
President, LCTCS
Baton Rouge

Mr. E. Edwards Barham
Oak Ridge

Ms. Helen Bridges Carter
Greensburg

Mr. Robert Brown
New Orleans

Mr. Keith Gamble
Shreveport

Mr. Brett Mellington
Lafayette

Mr. Michael “Mickey” Murphy
First Vice Chair
Bogalusa

Woody Oge'
Second Vice Chair
Avondale

Mr. Timothy W. Hardy
Baton Rouge

Paul Price, Jr.
Winnsboro

Mr. Stephen C. Smith
Chair
Shreveport

Mr. Vinnie St. Blanc, III
Board Chair
Franklin

Mr. F. Mike Stone
New Orleans

Ms. Geraldine “Deni” Taylor
Lake Charles

Allen Scott Terrill
Bossier City

Mr. Stephen Toups
Baton Rouge

Community College Student Representative
Ivy Poreé-Marco  
Delgado Community College

Technical College Student Representative

Valerie Gaspard  
South Central Louisiana Technical College

Administration, Faculty and Staff

Administrative Staff

Barbara M. Hanson, Ed.D.  
Chancellor

Margie Mixon  
Interim Vice Chancellor of Academic Affairs

Alvina Thomas  
Interim Vice Chancellor for Academic Affairs

Melissa Ducote  
Interim Vice Chancellor of Finance and Administration

Joseph Lane  
Dean of Business

Dr. Robby Lindsay  
Dean of Liberal Arts

Dr. George Roberts  
Dean of Health Science

Don Wheeler  
Dean of Technology

Melissa Askland Ducote  
Director of Human Resources

Gayle Doucet  
Director of Purchasing

Troy Caserta  
Controller

Bob Hammack  
Director of Workforce Development
Kay Harper-Hayes  
Director of Student Services and Career Placement

Darian Atkins  
Director of Public Relations

Bradley Masters  
CIO

Annie Mckinney  
Director of Library and LRC

Sandra Dietle, LPC  
Director of Student Counseling & Disability Services

James P. Smith, Ed.D.  
Director of Institutional Effectiveness and Research

Keith Adams  
Director of Institutional Advancement

Mike Colvin  
Director of Facilities

---

Professional Staff

Wilman George  
Restricted Funds Accountant

Toni Barkley  
Procurement Specialist

Martha Aucoin  
Accountant Technician

Alexa Lambert  
Grants & Restricted Funds Accountant

Kimberly Bruce  
Assistant Director of Financial Aid

Hugh Carter  
Technical/Access Services Librarian

Wendell Coplin  
Bursar

Gwenn Cregut  
Assistant Director of Admissions

Charlie Davis  
Security Coordinator

Tanya Epperson  
Academic Outreach Coordinator
Crystal Gaines
Financial Aid Advisor

Dana Iliff
Benefits Specialist

Josh Haber
Programmer/Analyst I

Bruce Hemphill
Information Systems and Database Analyst

Julie Salter
Career and Job Development Specialist

Linda Holland
Fiscal Technician

Melvin Johnson
Recruiter

Elizabeth Williams
Telephone Operator

Theresa Parker
Workforce Development Coordinator

Annie C. Breedlove
Systems Administrator

Sharron Robinson
Senior Financial Aid Advisor

Jan Shows, R.N., B.S.N.
Nursing Lab Coordinator

Terri Galien
Admissions Counselor

Full-Time Faculty

Brett Armintor
Instructor of History
B.G.S. University of Louisiana at Monroe
M.A. University of Louisiana at Monroe

Charles Banner
Instructor of Mathematics
B.S. Southern University and A&M College
M.S. Southern University and A&M College

Nils Borquist
Instructor of English
B.A. Tabor College
M.A. University of Louisiana at Monroe
Sharon Bowman
Instructor of English
B.A. Louisiana Tech University
M.Ed. University of Louisiana at Monroe

Chris Brandt
Instructor of Mathematics
B.S. Stephen F. Austin University
M.S. Stephen F. Austin University

Lena Brown
Assistant Professor of Nursing
B.S. N. University of Mississippi
M.S.N. Mississippi University for Women

Gail Caraway
Assistant Professor of Nursing
B.S. N. University of Mississippi
M.S.N. University of Mississippi

Derrick Cardin
Instructor of Biology

Kim Cloe
Instructor of Psychology
B.A., M.A. East Central University

Ann Deas
Instructor of Reading
B.A. Unviversity of Louisiana at Monroe
M.A. Louisiana Tech University

Judy Duff
Associate Professor of Computer Information Systems
B.S. University of Louisiana-Monroe
M.Ed. University of Louisiana-Monroe

Jack Brien Dunn
Instructor of Developmental Mathematics
B.S. University of Louisiana at Monroe
M.B.A. University of Louisiana at Monroe

Becky Fiorillo
Instructor of Biology
B.S. Southern Louisiana University
M.S. Mississippi State University

Marcus Gault
Assistant Professor of Nursing
B.S.N. University of Louisiana Monroe

Richard Gibbs
Professor of Physical Science
B.A. University of the South
M.S., Ph.D., Clarkson College of Technology
Tiffany Green
Assistant Professor of Natural Science
B.G.S. University of Louisiana at Monroe
M.S. University of Louisiana at Monroe

Donna Guice
Program Director, Care and Development of Young Children
Associate Professor of Care and Development of Young Children
B.S. Louisiana Tech University
M.S. Louisiana Tech University

Elizabeth Haneline
Assistant Professor of Nursing
B.S.N. University of Louisiana at Monroe
M.S. N. Grambling State University

Michael Harrell
Instructor of Biology
B.S. University of Louisiana at Monroe
M.S. University of Louisiana at Monroe

Scott Higginbotham
Instructor of English
B.A. Millsaps College
M.A. University of Mississippi

Jacequeline Johnson
Instructor of Process Technology
B.S. Southern University A & M College
M.S. Phoenix University

Joseph J. Kwashnak
Instructor of Computer Information Systems
B.A. Tufts University
M.S. Boston University
M.B.A. Boston University

Joseph Lane
Program Director, Business Technology
Associate Professor of Business
B.A. University of Louisiana at Monroe
M.B.A. University of Louisiana at Monroe

Janis LaVigne
Assistant Professor of Mathematics
B.A. Louisiana Tech University
M.A. Louisiana Tech University

Jason Manning
Instructor of Chemistry
B.A. Louisiana Tech University
M.F.A. Louisiana Tech University

Chelsea Mansfield
Assistant Professor of Nursing
Stacy Medaries  
Instructor of Fine Arts  
B.S. Louisiana College  
M.S. University of Alabama

Carlos Morris  
Program Director, General Studies  
Associate Professor of Psychology  
B.A. Grambling State University  
M.A. Grambling State University

Donald E. Munsey, Jr.  
Associate Professor of Mathematics  
B.S. Virginia Tech University  
M.S. Air Force Institute of Technology

Otto Ochs  
Instructor of English  
B.A. Fresno Pacific University  
M.A. University of Louisiana Monroe

Ryan M. Pierce  
Instructor of Business  
B.S. Loyola University of New Orleans  
M.S. Arkansas State University

Deborah Robinson  
Instructor of Psychology  
B.S. Grambling State University  
M.A. Grambling State University

Mary Spicer  
Associate Professor of English  
B.A. University of Louisiana at Monroe  
M.Ed. University of Louisiana at Monroe

Ava Stennett  
Assistant Professor of Nursing  
B.S.N. University of Louisiana at Monroe  
M.S.N. University of Phoenix

Charles Stevenson  
Instructor of Process Technology  
B.S. Southern University

Andrew Reed  
Associate Professor of Speech  
B.A. Western Washington University  
M.A. Western Washington University

Shada Tanksley  
Lead Teacher
Admissions Requirements and Policies

Admission to the College

Delta has an open admissions policy as established by the Louisiana Legislature and approved by the Board of Regents. Applicants must be high school graduates or possess a general education development program (GED) diploma. Prospective students must submit the application for admission and non-refundable application fee as well as other required documents.
Following the completion of the application, the applicant will be classified as to enrollment type, and the appropriate letter of admission will be issued.

Delta ensures equal opportunity for all qualified applicants without regard to race, color, religion, sex, national origin, age, political belief, disability, marital status, or veteran status in the admission to, participation in, or employment of any of its programs or activities.

The college reserves the right to deny admission in instances which would be detrimental to the student or would interfere with the capacity of other students to benefit from the educational experience.

Delta has not yet petitioned the US Department of Justice, Immigration and Naturalization Service for approval of the College to admit non-immigrating, foreign nationals as students, and cannot issue the Immigration and Naturalization Service form I-20.

### Admissions Requirements

Applicants to Delta must submit the following items to be considered for admission:

- A complete application for admission and the nonrefundable application fee
- Copy of current driver’s license or legal ID
- Official high school transcripts or official GED scores
- Official ACT scores or Placement Survey scores
- A completed Proof of Immunization Compliance Form (required by Louisiana law)
- Written proof of registration with Selective Service, if applicable. Acceptable documents include a copy of the applicant’s Selective Service registration card or a printout from the Selective Service website, https://www.sss.gov/regver/wfverification.aspx.

Additionally, transfer and re-entry students must provide transcripts from all institutions attended. Students may be required to provide a copy of the catalog from each college/university attended to determine transferability of credit. A home-schooled student, non-high school graduate (with no GED) or graduate of a non-accredited high school must show the ability to benefit from college by taking the ACT or the Placement Survey. These students will be granted provisional admission to the college if developmental courses are required. Once the required developmental coursework is successfully completed, the student will be granted regular admission to Delta.

### Assessment & Placement

Delta is committed to student success in collegiate-level coursework and occupational programs. ACT scores will be used for initial placement in English, reading and math. Applicants who do not have ACT scores, or whose scores are more than five years old, may be asked to sit for the Placement Survey. Students should contact the Admissions Office to schedule the Placement Survey. Students who are non-matriculating or are auditing classes may not be required to provide placement information if they are not taking English or math courses or have already successfully completed prerequisite course work. If the student decides at a later date to seek a degree from Delta, he/she may be required to provide ACT scores or take the Placement Survey.

### Ability to Benefit

Adult students who have not completed a high school diploma or GED may be admitted under the Ability to Benefit guidelines. These applicants must demonstrate the ability to do college level course work by achieving satisfactory standardized test scores (COMPASS).

The criteria established by the federal government as showing “ability to benefit” are as follows: a COMPASS score of 25 on pre-algebra/number skills; 32 on Writing Skills; and 62 on Reading Skills. The student must demonstrate at least the minimum score on all sections on a single test.
Louisiana Resident Status

Residency Policies

Residency Requirement

All new students must provide proof of their residency status with their application for admission. Acceptable documentation includes a valid driver’s license or state I.D. card, current rent or mortgage receipts, most recent state and/or federal tax returns, or other documents that indicate where the student’s official domicile is located. Multiple documents may be required to determine residency for tuition and billing purposes.

Definition of a Resident Student

Pursuant to House Concurrent Resolution No. 226 of 1986, the following is the definition of a resident student for tuition purposes.

A resident student for tuition purposes is defined as one who has abandoned all prior domiciles and has been domiciled in the State of Louisiana continuously for at least one full year (365 days) immediately preceding the first day of classes of the semester/term of enrollment for which resident classification is sought. Generally, the first document to present is full-time employment certification for one year prior to reclassification. A non-resident student for tuition purposes is a student not eligible for classification as a resident student under these regulations.

The individual’s physical presence within this state for one year must be associated with substantial evidence that such presence was with the intent to establish and maintain a Louisiana domicile. Physical presence within the state solely for educational purposes without substantial evidence of the intent to remain in Louisiana will not be sufficient for resident classification regardless of the length of time within the state. Domicile, as the term is used in the context of residence regulations, is defined as an individual’s true, fixed, and permanent home and place of habitation at which the individual remains when not called elsewhere for labor, studies or other special or temporary purposes, and the place to which the individual returns after an absence. Simply owning property in Louisiana, paying Louisiana state taxes, and establishing voter privileges in Louisiana do not, in themselves, qualify the applicant for Louisiana residency.

Discreet categories of individuals may be defined as special or Temporary Residents and are exempt from payment of non-resident fees if such action is deemed to be in the best interest of Louisiana and approved by the LCTCS Board, or as mandated from time to time by federal or state government. Non-resident students enrolled in only six hours or less are not assessed the non-resident fee. (See LCTCS Finance Section.#5.025)

Also, undergraduate students who are non residents but are enrolled in only web-based or other distance learning/electronic delivery courses are not assessed the non-resident fee; this does not apply to contractual programs (e.g. Young Memorial Campus and others who enter into contractual agreements) whereby a certain fee is negotiated for a training service or specialized course offerings where non-resident students are enrolled. Once the applicant has earned the first associate degree at the institution, the applicant may be classified as resident for tuition purposes to pursue subsequent degrees. The dependents of former graduates of the institution may enroll as residents for tuition purposes, even if the parent is no longer a resident of Louisiana.

Establishing the Requisite Intent to Become a Louisiana Resident for Tuition Purposes
The following facts and circumstances, although not necessarily conclusive, may support one’s claim for resident classification for tuition purposes:

1. financial independence from parents residing in another state or country;
2. reliance on Louisiana resources for financial support;
3. possession of a valid Louisiana voter registration card for at least one year;
4. designating Louisiana as his or her permanent address on all school and employment records, including military records if one is in the military service;
5. possession of a valid Louisiana driver’s license for at least one year;
6. possession of a valid Louisiana vehicle registration;
7. continuous presence in Louisiana during periods when not enrolled as a student;
8. commitments indicating an intent to stay in Louisiana permanently;
9. paying Louisiana income taxes as a resident during the past tax year, including income earned outside Louisiana from the date Louisiana domicile was claimed;
10. establishing an abode where one’s permanent belongings are kept within Louisiana;
11. licensing for professional practice in Louisiana;
12. the absence of the indicia in other states during any period for which domicile in Louisiana is asserted;
13. marriage to a Louisiana resident. (verified by documents such as marriage license, spouse’s birth certificate, high school diploma, tax forms, Louisiana employment verification)
14. full-time employment for one year prior to classification of residency.

In order to establish financial independence, a student seeking classification as a resident for tuition purposes should meet the following criteria for the current and immediately preceding calendar year:

1. that the student has not been claimed as an exemption for state of federal income tax purposes by his or her non-resident parents;
2. that the student has not lived in the home of his or her parents for more than a maximum of six weeks for the year after the time at which a Louisiana domicile is claimed;
3. that the student’s primary source of financial support not be derived from Federal or state financial aid programs, scholarships that provide full waiver of tuition/fees, and campus employment.

Documentary evidence shall be required; all relevant indicia will be considered in the classification determination. The facts suggested above are neither conclusive nor exclusive; each claim shall be determined on its own merits.

**Non-U.S. Citizens**

A student who is a non-U.S. citizen is entitled to be classified as a resident for tuition purposes if the student can demonstrate that he or she has been lawfully admitted to the United States for permanent residence (refugees, persons who are married to a U.S. Citizen, Temporary or Amnesty Aliens, etc.) in accordance with all applicable laws of the U.S. and can demonstrate having met these residence regulations of establishing a Louisiana domicile prior to the first day of classes of the semester/term of enrollment for which resident classification is sought.

A student who is a non-U.S. citizen and holds the VISA Category A (Government Official), will be immediately eligible for classification as a Temporary Resident for tuition purposes while holding such a VISA.

A student who is a non-U.S. citizen may be entitled to be classified as a Temporary Resident while holding the following VISA and if he or she can demonstrate having met these aforementioned residence regulations of establishing a Louisiana domicile prior to the first day of classes of the semester/term of enrollment for which resident classification is sought:

**VISA Category:**
- **E:** treaty trader or investor; **G:** representative of International Organization; **I:** foreign Information Media Representative; **H:** temporary worker in a “specialty” occupation (H-1 and H-4 may also apply to qualify); **K:** fiancée, children of U.S. citizen (with proof of marriage to a US citizen); **L:** intracompany transferee/foreign employer

Students holding a VISA category A, E, G, I, K, or L, once classified as a Temporary Resident, must show proof of VISA status at each registration period while enrolled and classified as a Temporary Resident.
A student who is a non-U.S. citizen and holds one of the following VISA categories is not eligible to establish a Louisiana domicile nor are they eligible for an exemption of nonresident fees, unless otherwise permitted by law or other regulations:

VISA Category:
- B: business or visitation purposes;
- C: in transit;
- D: crewman;
- F: academic student;
- H: temporary worker (only general);
- J: exchange visitor;
- M: vocational/non-academic student

General Rules Applying to Minors, Dependents, and Residents

The domicile of an unmarried minor (under age of 18) or dependent (see Internal Revenue Code of 1954, Section 152) is regarded to be that of the parent with whom such a minor or dependent maintains his or her place of abode. The domicile of an unmarried minor or dependent who has a parent living cannot be changed by his or her own act or by the relinquishment of a parent’s rights of control. When the minor or dependent lives with neither parent, domicile is that of the parent with whom the student maintained the last place of abode. The minor or dependent student may establish domicile when both parents are deceased and a legal guardian has not been appointed. When both parents are deceased and a legal guardian has been appointed, the domicile of the minor or dependent student is that of the guardian with whom the student maintains his or her place of abode.

When residence of a minor or dependent is derived from the Louisiana residence of the parent, that parent must meet the requirements described elsewhere in this document.

When the parent with whom a minor child or dependent student is domiciled can demonstrate that he or she has abandoned out of state domiciles and has moved to Louisiana to work and/or establish a domicile in accordance with these residence regulations, the parent, the minor child and the dependent student is eligible for immediate resident classification. Similarly, when an independent student enrolls who is more than twenty-two years of age, can demonstrate that he or she has abandoned out of state domiciles and moved to Louisiana to work and/or establish a domicile in accordance with these residence regulations, he or she and/or his or her spouse is eligible for immediate resident classification.

Military Personnel

An individual on active duty in the Armed Forces currently stationed in Louisiana may be classified as a Temporary Resident upon submission of documentation signed by the unit commander verifying his or her being on active duty and stationed in Louisiana. This classification of Temporary Resident is valid as long as the student remains enrolled and on active duty in Louisiana.

When a member of the military, who has a spouse, minor child, or dependent student enrolled as a Temporary Resident, is transferred out of the state, the student may continue to attend under this classification as long as the enrollment is continuous, excluding summers.

Students classified as Temporary Resident must show proof of his/her parent’s or spouse’s military status at each registration period while enrolled and classified as a Temporary Resident.

Classification Procedures
The resident status for tuition purposes of an applicant for admission is determined by the appropriate office of the College to which the applicant is seeking admission. The residence status is determined in accordance with these regulations and is based upon evidence provided on the Application for Admission and related documents.

Once classified as a non-resident, a student may file an Application for Reclassification from non-resident to resident. The application shall be filed with the appropriate office on the respective campus not later than 10 working days following the first day of classes of the semester/term for which such reclassification is sought. Such application shall include any information or documents required by the campus, together with any supporting evidence which the student desires to submit.

The appropriate campus office shall review the Application for Re-classification and notify the student in writing of the decision. If the decision is to re-classify the student to a resident, the classification shall be effective with the current term and a refund of non-resident fees shall be made (if applicable). If the decision is to not reclassify the student to a resident, the student has the right to appeal the decision.

Failure of a student to comply timely with the Application for Reclassification procedure shall constitute a waiver of all claims for reclassification for the applicable term.

**Appeals Procedures**

Any student may appeal the decision pursuant to the above classification procedures. The written appeal must be filed not later than 10 working days after the notice of such decision is mailed to the student by the appropriate campus office. Such appeal will be forwarded to the Chair of the Residence Appeals Committee (community colleges), or Vice Chancellor for Student Affairs (LTC campuses), by the campus office no later than 21 calendar days after the receipt of the written appeal.

The Residence Appeals Committee shall consist of at least three members of the college staff appointed by the Chancellor. The Committee shall function as an appellate body with appropriate legal counsel. The Committee shall recommend to the Chancellor or designee the reclassification of any student who has appealed his or her classification as a non-resident if the Committee finds from the evidence submitted that the student is entitled to reclassification under these regulations. The Committee shall review the appeal and notify the student and the campus office in writing within 21 days of the receipt of the appeal of the decision. If the decision is to reclassify the student to a resident, the classification shall be effective with the current term and a refund of non-resident fees shall be made (if applicable).

Failure of a student to comply in a timely manner with the appeals procedure shall constitute a waiver of all claims for reclassification for the applicable term.

Exceptions to this policy may be made to the Chancellor by the Residency Appeal Committee in special cases.

**Incorrect Classification**

All students classified as residents are subject to reclassification to non-resident and payment of all nonresident fees not paid. If incorrect classification results from false or concealed facts by the student, the student is also subject to college disciplines.

**High School/Collegiate Concurrent Enrollment**

**High School Bridge Program**

A currently enrolled high school student who meets the following requirements may enroll in college level courses prior to high school graduation by participating in the High School Bridge Program. The high school student must be classified a junior or senior and have:
• A 2.5 GPA, an ACT composite of 17 (or equivalent score on the Delta placement survey) or be ranked in the upper
50% of his/her class to take developmental classes or A 3.0 GPA, an ACT composite of 18 and an 18 in English and
Reading to take college level non-math classes or a 19 in math to take college level math classes.
• The recommendation of the high school principal or guidance counselor
• Parental permission if the student is under 18 years old
• Students must complete necessary application forms and submit necessary documents to be admitted to the program.
• Seniors may take up to four courses (12 hrs) per semester, and Juniors may take up to two courses (6hrs), if their
academic schedule and extracurricular activities allow for successful completion of each course.

LA Early Start Program Framework

General Criteria

Participants must be at least 15 years of age and currently enrolled in 11th or 12th grade at a public Louisiana high school and have ACT or PLAN scores on file at the high school. The student must be in good standing as defined by the high school and meet the college/university enrollment criteria. Additionally, he/she must be on track for completing (a) the Regents/TOPS high school core (if graduating in 2010 or 2011) or (b) the Louisiana Core Curriculum (if graduating in 2012 and beyond). Permission from the high school and his/her parent/guardian is required. The course for which dual credit (both college and high school credit) is attempted will be recorded on both the student’s secondary and postsecondary academic record. For detailed information go to: http://www.osfa.state.la.us/EarlyStart.htm.

Eligibility criteria to enroll in a College Level, Degree Credit Course

The course(s) selected for enrollment must be classified as College Level, Degree Credit Course: A course in an academic subject that generates postsecondary institutional credit and appears (a) as a General Education course on the current Board of Regents’ Master Course Articulation Matrix (public institutions) or (b) on a list of general education courses approved by the Board of Regents (for LAICU institutions).

The student must have a PLAN or an ACT Composite score of at least 18 (or SAT equivalent). To enroll in an entry level, college level English course, the student must (a) have a PLAN or ACT English sub-score of at least 18 (or SAT equivalent) or (b) meet the postsecondary institution’s prerequisite requirements. To enroll in an entry level, college level mathematics course, the student must (a) have a PLAN or ACT mathematics sub-score of at least 19 (or SAT equivalent) or (b) meet the postsecondary institution’s prerequisite requirements.

Admissions Classification, Eligibility, and Status

Admission Classification

First-Time Freshman: A student who is enrolling in college for the first time immediately following his/her high school graduation or who has fewer than 12 semester credit hours attempted (excluding advanced placement credits and credits earned while dually enrolled in high school and college).

Freshman: A student who is enrolling in college for the first time or has credit less than 30 hours. Transfer Student: A student who has been enrolled previously in any other regionally accredited college/ university and has attempted twelve or more semester credit hours.
Cross-Enrolled Student: A student who is enrolled at one post-secondary institution and is also taking courses at another post-secondary institution. A special cross enrollment form, which requires verification from both institutions with regard to enrollment and course load, is available in the Office of Enrollment Services.

Non-Matriculating (Non-Degree) Student: A student who desires to take a limited number of courses for transfer purposes and who is not seeking a degree/certification from Delta. Non-matriculating students must meet the admissions and course pre-requisite requirements of the College.

Re-Admit Student: A student who previously attended Delta but whose enrollment was interrupted for a minimum of one non-summer semester must apply for readmission. Students who are granted readmission will be governed by the catalog in effect at the time of readmission.

Audit Student: A student who does not seek college credit for course work taken may audit a class. A student auditing a class must meet all admission requirements and pre-requisite requirements. Permission to audit a class must be granted prior to the first day of class. Tuition and fees for audited courses are the same as for courses taken for credit.

Eligibility criteria to enroll in an Enrichment/Developmental Course

Enrichment/Developmental Courses are defined as English or mathematics courses that generate postsecondary institutional credit, but not degree credit, and is designed to prepare the student for college-level instruction. To enroll in an Enrichment/Developmental course, the student must have a PLAN Composite score of at least 14 or an ACT Composite score of at least 15 (or SAT equivalent).

Eligibility criteria to enroll in a Work Skills Course

Work Skills Courses must be in a skill or occupational training area that contributes to a declared Career Area of Concentration and leads to a recognized industry based certification. The student must be on track (a) for completing the Regents/TOPS high school core (if graduating in 2010 or 2011) or (b) for completing the Louisiana Core 4 Curriculum (if graduating in 2012 and beyond) or (c) to graduate from high school (having earned at least 11 Carnegie hours if a junior, or 16 if a senior) and have declared a Career Area of Concentration and have a PLAN or ACT Composite score of at least 15 (or SAT equivalent) or a WorkKeys Bronze Certificate.

Admission Status

Full Admission: the applicant who meets the admissions requirements and has submitted all required documents is fully admitted to Delta.

Provisional Admission: the applicant who meets the admissions requirements based on unofficial transcripts, or who is currently enrolled at another institution, may be admitted provisionally. Complete official transcripts must be received within 30 days of the first day of class. Failure to provide all required documents may result in dismissal.

Financial aid will not be disbursed to students who are not fully admitted.

Admission on Probation

The following applicants may be admitted on probation:

- The re-entry student who was last enrolled at Delta on probation or was suspended
- The transfer applicant who is eligible to return to the previous institution on probation
- The transfer applicant whose GPA from the previous institution would place them on probation had the GPA been earned at Delta
- The transfer student who was suspended but is now eligible to re-enter college
- The transfer student who is suspended from another college/university

**Transfer Student on Suspension**

A student who has been suspended from another college/university may attend Delta with permission from both institutions. If allowed to enroll, the student will be placed on academic probation and required to achieve a minimum GPA of 2.0 each semester of enrollment at Delta. Failure to meet this requirement will result in suspension from Delta. It is the responsibility of the student to contact the degree awarding institution to determine transferability of credit.

**Readmission from Suspension**

Students who have been suspended may make an appeal to the Admissions and Academic Appeal Committee. Appeals must be submitted to the Admissions and Academic Appeal Committee prior to the end of the regular registration of the semester for which the student wants to enroll. Students readmitted after a suspension will be admitted on probation.

**Academic Advising**

Academic advising is an important activity for every student. It is the time for the student to discuss with his/her advisor academic, career and life goals. Students are assigned an advisor who will review the student’s academic record, assist in designing a plan of study and initiate the registration process. Students should communicate regularly with their advisor throughout their enrollment at Delta. All faculty members are available for academic advising during their posted office hours. The goal of academic advisement is to help students progress through their degree plan to the completion of requirements to graduate.

**Transfer Credit Policies**

**Transfer Credit**

Delta accepts transfer credit from both traditional and nontraditional sources. All credits earned at regionally accredited institutions are accepted in transfer; however, all credits may not be applied toward a particular degree. Acceptance of transfer credit to meet degree requirements will be determined by the Department Chair/Program Coordinator and are governed by the following guidelines:

- Acceptance of courses taken more than ten years ago is determined by the Department Chair/Program Coordinator in conjunction with the academic advisor.
- Acceptance of courses that do not have an equivalent at Delta will be determined by the Dean of Instruction in conjunction with the Department Chair/Program Coordinator.

Grades for transferred courses will be interpreted according to the Delta grading scale and will be recorded as follows:

- Plus (+) or minus (-) symbols will be disregarded.
- Grades of Pass, Credit and Satisfactory will be treated alike and count in hours attempted and earned only.
- Failing grades including WF will count as hours attempted, quality hours, quality points and will impact GPA
- A grade of “N” will count in attempted hours only.
• Incomplete ("I") grades will be calculated as “F”.
• Quarter hours will be converted to semester hours by multiplying the quarter hours by two-thirds.

Only those courses in which the grade of “C” or higher has been earned will be used to fulfill degree requirements. The Board of Regents Master Course Articulation Matrix (regents.la.gov/Reports/datapub.aspx) will be used to determine course equivalencies. Transfer credits from non-regionally accredited institutions are not generally accepted at Delta. A request for the review of this type of credit may be made to the Dean of Enrollment Services.

Once admitted to a degree program at the College, students must receive approval from their academic advisor before enrolling in courses at another institution for transfer credit. Transfer credits from regionally accredited institutions of higher education are recorded on the student’s permanent academic record. Delta will compute the grade point average in the same manner as is done for a Delta student.

**Lifespan of Course Work**

Delta is interested in moving its students toward the successful completion of their associate degree(s) regardless of when or where they began their college program, or what courses they have taken to support their degree progress. Previous college course work will be transferred to Delta for purposes of establishing grade point average and admission status. Any questions of institutional accreditation or faculty credentialing or, if the course is over ten years old, will automatically be referred to the Dean of Instruction or Degree Program Coordinator for review and approval.

**Correspondence Courses**

Delta does not offer correspondence courses. Students who wish to use credit from correspondence courses taken through other accredited institutions to meet degree or certificate requirements must receive permission from the Dean of Instruction prior to registering for the correspondence course. A maximum of six hours correspondence credit may be applied toward the degree. If a transfer student has already received correspondence credit prior to enrolling at Delta, the student must receive approval from the Dean of Instruction for such credit to fulfill graduation requirements at Delta.

**Credit by Examination, Vocation, or Licensure**

**Non-Traditional Credit**

A maximum of 25% of the total hours applicable toward a degree, certificate, or technical competency area can be earned through non-traditional credit to apply to a degree program. Credits will be posted to the student’s academic record with the grade “P” indicating that the credit has been earned, but does not impact semester or cumulative GPA. Application of credit to meet degree program requirements will be determined by the Department Chair, Program Coordinator, and Dean of Instruction. Students must be enrolled at Delta in order to have non-traditional credits posted to their academic record. Non-traditional credit eligible for consideration includes military credit, correspondence courses, professional certificates, departmental challenge exams, and advanced placement credit awarded through the Advanced Placement Test, ACT, SAT, and CLEP scores.

**Procedure for the Evaluation of Military Credits**

In order for military credits to be evaluated, the student must provide a Form 295 Application for the Evaluation of Learning Experiences during Military Services, or ARRTS Transcript. The Dean of Enrollment Services may not actually complete the evaluation, but may submit the student’s request to the appropriate agency for evaluation. Students should also provide a DD Form 214, copies of any “Course Completion Certificates” that the student has received, or other proof of having completed the course in order to expedite the process. Upon receipt of the official evaluation reports from the appropriate agencies, the Dean of
Enrollment Services will post the American Council on Education credit recommendations to the student’s transcript. Such credits are not counted as hours attempted; they only count as hours earned. The student will be given an unofficial copy of the updated transcript as will the Dean of Instruction. The student should meet with the academic advisor to discuss the applicability of military credit to fulfill degree requirements.

Credit by Departmental Examination

Credit by examination is available for select courses to enrolled students only. Credit by examination will be awarded for those courses in which a student has not earned previous academic credit. Students may not attempt to earn credit by examination for a course in which the student has earned a failing grade or for a course.

College Level Examination Program (CLEP)

College Level Examination Program (CLEP) credit is honored by Delta. Credit will be awarded as indicated on the chart below.

<table>
<thead>
<tr>
<th>CLEP SUBJECT</th>
<th>MIN. SCORE</th>
<th>DELTA COURSE EQUIVALENT</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Business</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Financial Accounting</td>
<td>50</td>
<td>ACCT 201</td>
<td>3</td>
</tr>
<tr>
<td>Information Systems and Computer Applications</td>
<td>50</td>
<td>CINS 101</td>
<td>3</td>
</tr>
<tr>
<td>Introductory Business Law</td>
<td>50</td>
<td>BUSN 231</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>50</td>
<td>BUSN 210</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Marketing</td>
<td>50</td>
<td>BUSN 201</td>
<td>3</td>
</tr>
<tr>
<td><strong>Composition and Literature</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Literature</td>
<td>50</td>
<td>ENGL 203/ENGL 204</td>
<td>6</td>
</tr>
<tr>
<td>Analyzing &amp; Interpreting Literature</td>
<td>50</td>
<td>ENGL 205/ENGL 206</td>
<td>6</td>
</tr>
<tr>
<td>English Literature</td>
<td>50</td>
<td>ENGL 201/ENGL 202</td>
<td>6</td>
</tr>
<tr>
<td>Freshman College Composition</td>
<td>50</td>
<td>ENGL 101</td>
<td>6</td>
</tr>
<tr>
<td>Humanities</td>
<td>50</td>
<td>HUMN 201/HUMN</td>
<td>6</td>
</tr>
<tr>
<td><strong>Foreign Languages</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------</td>
<td>---------</td>
<td>---------</td>
<td>---</td>
</tr>
<tr>
<td>French Language, Level 1</td>
<td>50</td>
<td>FREN 101/FREN 102</td>
<td>6</td>
</tr>
<tr>
<td>Spanish Language, Level 2</td>
<td>50</td>
<td>SPAN 101/SPAN 102</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>History and Social Science</strong></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>American Government</td>
<td>50</td>
<td>POLI 110</td>
<td>3</td>
</tr>
<tr>
<td>History of the United States, Early Colonization to 1877</td>
<td>50</td>
<td>HIST 201</td>
<td>3</td>
</tr>
<tr>
<td>History of the United States, 1855 to Present</td>
<td>50</td>
<td>HIST 201</td>
<td>3</td>
</tr>
<tr>
<td>Human Growth and Development</td>
<td>50</td>
<td>PSYC 236</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Educational Psychology</td>
<td>50</td>
<td>PSYC 201</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>50</td>
<td>SOCL 201</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Macroeconomics</td>
<td>50</td>
<td>ECON 302</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Microeconomics</td>
<td>50</td>
<td>ECON 302</td>
<td>3</td>
</tr>
<tr>
<td>Western Civilization I, Ancient Near East to 1648</td>
<td>50</td>
<td>HIST 101</td>
<td>3</td>
</tr>
<tr>
<td>Western Civilization II, 1648 to Present</td>
<td>50</td>
<td>HIST 102</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Science and Mathematics</strong></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>50</td>
<td>BIOL 101/BIOL 103</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry</td>
<td>50</td>
<td>CHEM 110/CHEM 120</td>
<td>6</td>
</tr>
</tbody>
</table>
Credit Based on ACT/SAT Scores

College credit will be awarded to students who earn appropriate scores on the ACT/SAT in English and Math. Credit will be awarded for ENGL 101 to students who meet the following minimum criteria for ACT or SAT scores earned in a single test: an ACT English score of 28 or above and an ACT Composite score of 25, or an SAT Verbal score of 630 plus a combined SAT Verbal and SAT Math total score of 1130.

Credit will be awarded for MATH 110 to students who achieve an ACT Math score of 26 or higher, or an SAT Math score of 600 or higher.

Credit is awarded only for official scores sent directly to Delta from the testing company.

Advanced Placement Exam Credit

College credit will be awarded to students who earn appropriate scores on the College Board Advanced Placement Test.

<table>
<thead>
<tr>
<th>AP Exam</th>
<th>Minimum Score</th>
<th>Delta Equivalent</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>3</td>
<td>BIOL 101-BIOL 102-BIOL 103-BIOL 104</td>
<td>8</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3</td>
<td>CHEM 110-CHEM 120</td>
<td>6</td>
</tr>
<tr>
<td>Economics: Macro</td>
<td>3</td>
<td>ECON 201</td>
<td>3</td>
</tr>
<tr>
<td>Economics: Micro</td>
<td>3</td>
<td>ECON 202</td>
<td>3</td>
</tr>
<tr>
<td>English Lit. &amp; Composition or English Language &amp; Composition</td>
<td>3</td>
<td>ENGL 101</td>
<td>3</td>
</tr>
<tr>
<td>French Language</td>
<td>3</td>
<td>FREN 101-FREN 102</td>
<td>6</td>
</tr>
<tr>
<td>Government &amp; Politics, U.S.</td>
<td>3</td>
<td>POLI 110</td>
<td>3</td>
</tr>
<tr>
<td>History, U.S.</td>
<td>3</td>
<td>HIST 201 or HIST 202</td>
<td>3</td>
</tr>
<tr>
<td>History, U.S.</td>
<td>4</td>
<td>HIST 201-HIST 202</td>
<td>6</td>
</tr>
<tr>
<td>Physics B or Physics C</td>
<td>3</td>
<td>PHYS 210</td>
<td>3</td>
</tr>
<tr>
<td>Physics B or Physics C</td>
<td>4</td>
<td>PHYS 210 &amp; PHYS 220</td>
<td>6</td>
</tr>
<tr>
<td>Psychology</td>
<td>3</td>
<td>PSYC 201</td>
<td>3</td>
</tr>
<tr>
<td>Spanish Language</td>
<td>3</td>
<td>SPAN 101-SPAN 102</td>
<td>6</td>
</tr>
<tr>
<td>Statistics</td>
<td>3</td>
<td>MATH 210</td>
<td>3</td>
</tr>
</tbody>
</table>
Credit is awarded only for official scores sent directly to Delta from the testing company.

Academic Renewal

Delta provides students who have not been enrolled in college due to academic deficiencies the opportunity to renew their academic record. The student must not have been enrolled in college level course work for three years, demonstrate that the conditions that led to the academic deficiencies have changed, and complete the necessary steps to be considered for academic renewal. Academic renewal can only be awarded once in an academic lifetime.

The following standards apply to academic renewal:

- The student must submit an application for academic renewal to the Enrollment Services Office before or during the first semester of enrollment and include evidence that there is reasonable expectation of satisfactory performance.
- The Dean of Enrollment Services shall evaluate each application and recommend the student for approval by the Admission and Academic Appeal Committee.
- No prior academic credit or grade point average will be carried forward; however, the prior record remains a part of the student’s overall academic record. No previously earned credit will be used to meet graduation requirements or computed in the GPA leading to undergraduate degrees.
- Upon approval for academic renewal the student has the status of an entering freshman and a new academic record will begin with no record of attempted hours, quality points or probation/suspension.
- A student who demonstrates competency in a given area may receive credit by exam (CLEP or departmental challenge exam) for courses in which the grade of “C” or higher was earned.
- Delta recognizes academic renewal granted at another institution.
- A student who receives academic renewal may not be eligible for financial aid at Delta.
- A student who receives academic renewal will have the total cumulative grade point average (including courses waived by academic renewal) considered for academic honors awarded at graduation.
- Applying for academic renewal does not ensure approval.

Students are cautioned that many undergraduate curricula and graduate professional schools compute the undergraduate grade point average on all hours attempted when considering applications for admission.

Students must sign the application for academic renewal certifying that they understand the ramifications of academic renewal.

General Policies & Procedures

Scheduling/Registration/Class Attendance

Academic Load

The number of credit hours attempted determines a student’s classification as either full-time or part-time. Any student receiving financial aid should contact the Office of Student Services / Financial Aid to verify the definition of “full time” according to Delta Financial Aid guidelines.
<table>
<thead>
<tr>
<th>Enrollment Status</th>
<th>Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than half time</td>
<td>Fall/Spring</td>
<td>1-5</td>
</tr>
<tr>
<td>Half time</td>
<td>Fall/Spring</td>
<td>6-8</td>
</tr>
<tr>
<td>Three-quarter time</td>
<td>Fall/Spring</td>
<td>9-11</td>
</tr>
<tr>
<td>Full time</td>
<td>Fall/Spring</td>
<td>12 or more</td>
</tr>
<tr>
<td>Less than half time</td>
<td>Summer</td>
<td>1-2</td>
</tr>
<tr>
<td>Half time</td>
<td>Summer</td>
<td>3</td>
</tr>
<tr>
<td>Full time</td>
<td>Summer</td>
<td>6 or more</td>
</tr>
</tbody>
</table>

**Assignment of Faculty**

Delta reserves the right to change faculty members listed in the course schedule because of course cancellation, class splits or other conditions that necessitate the reassignment of faculty. Students should be cautioned that the listing of an instructor’s name in the course schedule is no guarantee that the specific instructor will teach the course.

**Attendance**

Class attendance is regarded as an obligation and a privilege. Students are expected to regularly and punctually attend all classes in which they are enrolled. Failure to do so may jeopardize a student’s scholastic standing and may lead to suspension from the institution.

Each instructor keeps a permanent attendance record for each student in each class. These records are subject to inspection by appropriate College officials at any time. Faculty members are required to state in the course syllabi and to explain to the students their expectations concerning class attendance prior to the close of the add/drop period. The extent to which attendance and participation in class will impact the grading rubric will be specifically outlined in the syllabus.

In order for students to achieve maximum benefit from courses, the institution has developed an attendance policy. This policy involves informing students, through the course syllabus, of specific penalties for unexcused absences. Students should consult their syllabus for specific details and consult with their instructor prior to missing class.

Students seeking excused absences must submit the reasons for their absences in writing to their instructor when they return to class. When a student accumulates an excess of unexcused absences (as noted below) the instructor may recommend to the Dean of Enrollment Services that the student be provided with information on how to drop the class. Excessive unexcused absence is considered:

- **Five classes** in courses that meet M-W-F during fall and spring terms
- **Three classes** in courses that meet M-W or T-R during fall and spring terms
- **Two classes** in courses that meet once a week during fall, spring, and summer terms

**Course Cancellation**
Delta reserves the right to cancel any course listed in the course schedule. In the event that a student is in the last semester of studies prior to graduation and a required course is cancelled, the student should consult his/her advisor and the Program Director and Division Chair.

**Course Load**

Only an exceptional student, upon approval from the Program Director and Division Chair, may enroll in more than 18 credit hours in the Fall/Spring semester or 12 hours in the Summer semester (6 hours per 5 week session). The maximum allowable course load is 21 credit hours (13 hours in the summer session).

**Developmental Course Sequence**

All students entering Delta must present their ACT scores, placement survey results or transcripts as evidence of their proper placement in reading, math and English. It is imperative that Delta students complete all developmental courses in a timely fashion. To firmly support their academic preparation and achievement, students in their first semester must enroll in any developmental courses required. They must continue to progress through the sequence until all are complete. Should course offerings conflict, Reading 099 should be given priority. No student will be allowed to take more than 25 total semester hours or any 200-level course work until all required developmental courses have been completed.

**Freshman Orientation**

Delta hosts Freshman Orientation prior to each regular semester. The purpose of orientation is to make students aware of their personal and academic responsibilities, to promote an understanding of Delta policies and procedures and to introduce the programs and services that are available.

**Academic Seminar Exemption**

A transfer student can be considered for exemption from Academic Seminar if one or more of the following criteria are met. If the student:

- Possesses an earned degree from another college or university
- Has taken 30 or more credit hours of college-level work and has a cumulative GPA of 2.0 or higher
- Has successfully completed an equivalent course from another college or university

**Schedule Changes**

Students will be permitted to add and drop courses and make schedule changes according to the dates published in the academic calendar. Add/drop forms are available in the Office of Enrollment Services. It is the student’s responsibility to follow the procedures noted on the add/drop slip. Incomplete add/drop forms will not be accepted and the schedule changes will not be made.

Students may add classes the first three days of a semester or equivalent time for summer sessions/terms or alternative sessions, as long as the classes have not met for a second time. In the case of a class taught once a week, the class cannot be added after it has met for the first time. Tuition and related fees must be paid at the time classes are added.

Students may drop classes the first three days of the semester or equivalent time for summer sessions/terms or alternative sessions and the classes will not appear on the official transcript. After the close of add/drop students may withdraw from classes...
Withdrawal/Resignation

Students may withdraw from courses or resign from the College with a grade of “W” up to the deadline published in the official calendar. After the published date, students may not withdraw from courses. (If extenuating circumstances exist, a student may appeal to the Dean of Enrollment Services.) Students leaving the institution must resign by completing a form in the Office of Enrollment Services. Students who stop attending classes without officially withdrawing will receive an “F” in all courses. Withdrawing from courses, or resigning from the College after the refund period, will not reduce the student’s financial obligation to the College and may affect eligibility for continued financial aid.

No Show Policy

Students who have completed all the necessary requirements for registration in the College but have not attended classes are considered “No Show” students. This No Show status will be determined by the official 14th day (or equivalent for a given term) roster report. Courses for this semester/term will appear on the student’s official academic record as hours attempted and a grade will be assigned to them.

Reservist and National Guard Mobilization/ Activation Policy

In compliance with the policies set forth by the Board of Regents of the State of Louisiana and in recognition of the needs of students who are subject to unforeseen mobilization/activation in response to local, regional, national and international emergency situations, Delta has established the following policy and procedures.

If activation/mobilization occurs:

- During the first fourteen class days of a regular semester [seven (7) days for summer sessions], it will result in the complete withdrawal of the student without penalty or grade. Tuition and fees that have been paid will be refunded at 100%.
- During the period between the fifteenth (15) class day [eighth (8) class day for summer sessions] and the last day to withdraw from classes with the grade of “W”, it will result in the awarding of the grade of “W” in all classes in which the student was officially enrolled. Tuition and fees that have been paid will be refunded at 100%.
- During the period between the day following the last day to withdraw from a class with the grade of “W” and approximately one to two (1-2) weeks (five (5) to ten (10) class days) prior to the end of a regular semester [three (3) to six (6) class days for a summer session], it will result in the student:
  - Choosing to take the grade of “W” for all courses in which the student is officially enrolled. Tuition and fees that have been paid will be refunded at 100%
  - Requesting, with the approval of the instructor, to take an incomplete grade in some or all of these courses
  - During the last five (5) to ten (10) days of a regular semester [three (3) to six (6) class days in a summer session], it will result in the student:
    - Requesting one of the two previous options
    - Requesting, with the approval of instructors, to receive a final grade based on the student’s work in the course up to the date of activation/mobilization.
    - Requesting, with the approval of instructors, to take early final examinations.
Grading/Academic Standing

Grading and Quality Point System

Definitions:

Quality Hours – Credit courses that carry a grade of P, CR and S are included in earned hours but not quality hours. Courses that a student registers for but later withdraws from with a grade of W are included in attempted hours but not in quality hours. Credit hours for which a student registers and receives a grade of A through F are included in quality hours.

Cumulative Quality Hours – Hours for which a student registers for and receives a grade of A through F at Delta, as well as quality hours accepted in transfer (including hours that would have been accepted had the student not earned a grade of F).

Adjusted Quality Hours—Credit hours for which a student registers and receives a grade of A through F, excluding those credit hours removed from the calculation of a student’s grade point average through a repeat/delete policy and/or those credit hours removed through academic renewal.

Adjusted Cumulative Grade Point Average—This GPA is adjusted to exclude those quality hours and grades that have been removed from the calculation of the student’s grade point average through a repeat/delete policy and/or academic renewal.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent = 4.0</td>
</tr>
<tr>
<td>B</td>
<td>Good = 3.0</td>
</tr>
<tr>
<td>C</td>
<td>Average = 2.0</td>
</tr>
<tr>
<td>D</td>
<td>Below Average = 1.0</td>
</tr>
<tr>
<td>F</td>
<td>Failure = 0.0</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete (Computes as an F until resolved)</td>
</tr>
<tr>
<td>P</td>
<td>Passing (No advantage to grade point average)</td>
</tr>
<tr>
<td>N</td>
<td>No Credit (No penalty to grade point average)</td>
</tr>
<tr>
<td>R</td>
<td>Repeat</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawal (No impact on GPA)</td>
</tr>
<tr>
<td>Z</td>
<td>Academic Renewal (No impact on GPA)</td>
</tr>
</tbody>
</table>

Developmental Course Grading

The letter grade of A, B or C will be given to students who pass a developmental course. The grade of N indicates that the course was not passed and must be repeated. The grade of F is given in a developmental course for excessive absences only and the course must be repeated.

Standard G.P.A. Calculation
1. Multiply the grade value of the course by the semester hours for that course. The product of the multiplication will be the grade points.
2. Divide the total grade points by total attempted hours.

Example:

<table>
<thead>
<tr>
<th>Courses</th>
<th>Grade Value</th>
<th>Times</th>
<th>Credit Hours Attempted</th>
<th>Equals</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 110</td>
<td>A=4</td>
<td>x</td>
<td>3</td>
<td>=</td>
<td>12</td>
</tr>
<tr>
<td>ENGL 101</td>
<td>B=3</td>
<td>x</td>
<td>3</td>
<td>=</td>
<td>9</td>
</tr>
<tr>
<td>SCIE 114</td>
<td>C=2</td>
<td>x</td>
<td>4</td>
<td>=</td>
<td>8</td>
</tr>
<tr>
<td>CINS 101</td>
<td>D=1</td>
<td>x</td>
<td>3</td>
<td>=</td>
<td>3</td>
</tr>
<tr>
<td>SPCM 110</td>
<td>F=0</td>
<td>x</td>
<td>3</td>
<td>=</td>
<td>0</td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td>16</td>
<td></td>
<td>32</td>
</tr>
</tbody>
</table>

Divide 32 (Grade Points Column) by 16 (Credit Hours Attempted Column) and the G.P.A. = 2.0

**Scholastic Honors**

**Chancellor’s List:** At the end of each regular semester, the Chancellor’s List is published recognizing those full-time students, and part-time students who have earned at least 12 hours at Delta and are currently enrolled in at least six hours of course work, who have earned a semester GPA of 3.75 or higher.

**Dean’s List:** At the end of each regular semester, the Dean’s List is published recognizing those full-time students, and part-time students who have earned at least 12 hours at Delta and are currently enrolled in at least six hours of course work, who have earned a semester GPA of 3.50 to 3.74.

**Academic Status**

There are three categories of academic status: academic good standing, academic probation and academic suspension. Although students will usually receive official notification of academic status, such notification is not prerequisite to students being placed in one of these categories. It is the responsibility of the student to determine his/her academic status prior to the beginning of the next enrollment period.

**Good Standing:** A student who is not on probation or suspension is in good standing.

**Probation:** A student will not be placed on probation until at least 15 hours of course work have been attempted. A student will be placed on probation when the adjusted cumulative GPA is at or below those listed below:

<table>
<thead>
<tr>
<th>Adjusted Cumulative Quality Hours</th>
<th>Adjusted Cumulative G.P.A.</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-30</td>
<td>1.75 or less</td>
</tr>
<tr>
<td>31+</td>
<td>1.99 or less</td>
</tr>
</tbody>
</table>
Suspension: A student who is on academic probation and has attempted at least 24 hours of course work will be suspended from Delta at the conclusion of any enrollment term in which he/she fails to earn a minimum GPA of 2.0. Students suspended for the first time at the end of the Spring Semester may attend summer school without appeal. If the student raises the adjusted cumulative GPA to at least a 2.0, the suspension will be lifted. Students suspended for a second time may not enroll at Delta for one year. A student who has been suspended from Delta must apply for readmission in order to return.

Incomplete Grades

Students enrolled in courses in which they achieve satisfactory progress, which because of circumstances beyond their control cannot be completed, may receive an Incomplete (“I”) grade. The student must have been attending classes on a regular basis and have at least a “C” average. The “I” grade must be requested by the student and both the faculty member and student must complete and sign the Incomplete Grade Contract Form. These forms are available from the faculty member. The contract must contain the reason for requesting the “I” grade and an outline of the work to be completed. Work must be completed and the “I” grade converted to a letter by the deadline posted in the official academic calendar. An “I” grade is calculated as an “F” for GPA purposes. Exceptions to this deadline must be approved by the Program Director or Division Chair.

Grade Appeal

The student must initiate appeals of final grades within the first 45 days of the regular semester following the semester in which the grade was received. The general procedure for appealing a grade is to first meet with the faculty member. If the grade concern is not resolved, the student may then appeal to the Dean of Instruction.

Repeating Course Work

Students will be allowed to repeat, one time, a course in which a grade of “C” or lower was earned. Special approval from the Division Chair or Program Director is required for a student to repeat a course more than once. The last grade earned will be used to determine acceptability of the course for prerequisite and degree requirements. The first grade will be flagged as repeated and maintained on the academic record, but only the last grade will be used to compute the student’s grade point average for graduation. This repeat policy applies only to courses taken at Delta.

Repeating an equivalent course at Delta cannot negate the grades earned for courses taken at another institution. When calculating grade point average for awards and honors, an unadjusted GPA (cumulative) will be used. Professional programs within the College may set specific rules regarding the treatment of repeat courses in calculating the GPA necessary for entry into and graduation from those programs. Developmental courses may be repeated up to three times.

Grade Reports and Official Transcripts

Grade reports reflecting the result of a student’s course work will be generated by the Enrollment Services (Registrar) Office within five (5) business days following the end of each semester/session. Questions about the information on the grade report should be directed to the Dean of Enrollment Services. A request for an official transcript requires the signature of the student and payment of a transcript fee (see Tuition/Fee Chart). Transcript request forms are available at the Enrollment Services Office and on the official website at www.ladelta.edu.

Graduation Requirements
Graduation Preparation

A student should meet on a regular basis with his or her academic advisor to ensure that progress is being made toward the completion of a degree. The academic advisor holds initial responsibility to determine the application of transferable course work to a degree program after the Dean of Enrollment Services has identified the transferable courses.

An official degree audit must be requested from the advisor upon the completion of 42 semester hours. To verify that they have satisfied all graduation requirements, all candidates for graduation must report to the academic advisor during the period specified in the Academic Calendar.

Associate Degree Graduation Requirements

A candidate for an associates degree must meet the following requirements.

- Complete all work in the curriculum described in the College Catalog in effect at the time of first enrollment at Delta. If students change their program of study or major, or if they do not enroll at Delta for a fall or spring semester, they must use the catalog in effect at the time of the change of program of study or the return to Delta.
- Receive approval in writing from the VCAA for any deviation from the curriculum, as stated in the catalog being followed.
- Complete a minimum of 61 semester hours of acceptable college-level work.
- Complete the required General Education courses with the grade of “C” or higher.
- Complete ENGL 101 and ENGL 102 with grades of C or higher, which demonstrates proficiency in written communications, as required by the Board of Regents.
- Complete a minimum of three hours of college algebra with the grade of “C” or higher and demonstrate proficiency in mathematics as required by the Louisiana Board of Regents. Some degrees require an additional three hours of mathematics at a level above college algebra.
- Have a cumulative Grade Point Average (GPA) of 2.0 or better on all course work, including a GPA of 2.0 or higher on all course work attempted at Delta.
- Complete a minimum of 25 percent of the semester hours required for the degree through instruction at Delta with the last 15 hours taken at Delta. Appeals to this rule may be made with the VCAA.
- Be enrolled and in attendance at Delta during the semester of graduation. Appeals to this rule may be made to the Dean of Instruction.
- Fulfill all obligations and regulations, including financial, to the College prior to established dates. Financial aid recipients must attend an exit interview before they will be allowed to participate in graduation or receive a diploma. Students should contact the Office of Student Services for details.
- Make application to the academic advisor for graduation by the deadline noted in the Academic Calendar in the semester prior to the semester in which graduation is anticipated.
- Participate in commencement exercises. Written notification must be made to the Dean of Enrollment Services if the candidate will not be participating in commencement exercises.

Multiple Degrees or Simultaneous Degrees

Students who wish to pursue multiple Associate Degrees simultaneously at Louisiana Delta Community College must complete fifteen semester hours in addition to the requirements for the first degree and complete all requirements for both degrees. The academic faculty has final approval in the awarding of degrees. Before pursuing multiple degrees, a student must receive approval from the Program Director or Department Chair and VCAA. Students will earn a diploma for each degree, and the degrees will be posted on the transcript. The following additional requirements apply:
Students must earn a minimum of 15 hours at Louisiana Delta Community College excluding repeated courses, and courses that are not going toward the degree, in addition to the total required for the first degree (15 additional hours for an associate).

A simultaneous or subsequent degree in General Studies may be earned only if the Thematic Concentration Group does not include the academic area in which the student is presently pursuing a degree.

An Associate of General Studies may be awarded only once, regardless of the various major concentrations.

Graduation with Honors

Delta encourages students to achieve at their highest ability to attain their educational and career goals. All courses used to fulfill graduation requirements, including courses from other accredited institutions, will be used to calculate the grade point average for honors designations. Students who have earned an associate degree and maintained a cumulative grade-point average of 3.5 or above will receive honors recognition in the commencement program as noted below:

- 3.50 – 3.69     Cum Laude
- 3.70 – 3.89     Magna Cum Laude
- 3.90 – 4.0      Summa Cum Laude

Delta also recognizes students earning a grade point average of 3.0 - 3.49.

Academic Disciplinary Policy

Dismissal of Students from Classes

An instructor may, under certain conditions, dismiss a student from class for disruptive or threatening behavior. If the student is disruptive, the instructor may ask the student to leave the class. If the student threatens the instructor, the student may be asked to leave the class and the incident will be reported to the Office of Student Services. If the student refuses to leave after being requested to do so, the instructor should summons University Police to remove the student (dial 911). The instructor should inform the Department Head and the Office of Student Services of the student (dial 911). The instructor should inform the Department Head and the Office of Student Services of the student’s dismissal from class within twenty-four hours. A written report of the incident must be submitted to both the VCAA and the Office of Student Services for review. The Dean of Student Services will take the necessary actions based on the Student Code of Conduct.

Academic Honesty Policy

Louisiana Delta Community College expects the highest standards of academic honesty from its students and faculty. Because it is essential to fair learning and learning assessment, faculty and students share responsibility for academic honesty. Students must adhere to the academic rules of the classroom and the college. Academic dishonesty threatens the college’s learning environment by destroying the trust between faculty and students. Therefore, all forms of cheating, fabrication, plagiarism, misrepresentation, and violation of class rules constitute academic misconduct and warrant disciplinary action by the instructor or the college. Academic dishonesty includes, but is not limited to, the following categories.

Categories of Academic Dishonesty
Cheating is the intentional use of inappropriate assistance, information, materials, or study aids in any academic exercise. Cheating includes the use of unauthorized assistance, information, or materials on tests, homework, quizzes, papers, projects, and all other academic assignments. Additionally, students who provide such unauthorized assistance to other students are also guilty of cheating.

Fabrication is defined as altering official college documents, forging signatures of college officials or other individuals, or changing grades and other academic records. Fabrication also includes submitting false records to gain admission to the College. Furthermore, any oral or written misrepresentation of truth in any communication with College administrators, faculty, or staff is also fabrication.

Plagiarism involves submitting another person’s ideas, words, data, arguments or sentence structure as the student’s own without proper documentation.

Misrepresentation is intentionally presenting oneself as someone else, or intentionally misrepresenting a condition or situation to gain credit or concessions on academic work, including make-up tests, projects, and class assignments.

Violation of class rules is the intentional failure to follow the class policies concerning assignments and behavior.

Other forms of academic misconduct include complicity, the willing involvement with others in any academic misconduct; software fraud, the unlawful downloading and copying of computer software used in the creation of academic work; and multiple submissions of work, handing in academic work that was done previously by the student for another class without prior permission of the instructor, or work done by someone else.

Penalties for Academic Dishonesty

Depending on the type of violation, the number of times a student has committed an offense, and the discretion of the instructor, penalties may include any combination of the following:

1. Loss of partial credit for the assignment.
2. Grade of “F” or zero for the assignment or test.
3. Reduced grade for the course.
4. Grade of “F” for the course.
5. Counseling
6. Academic Probation
7. Academic Suspension or Expulsion

Administration of Penalties

Instructors assign penalties 1, 2, 3, and 4 to the student based on the above criteria. Student appeals of the penalty will be directed to the appropriate Academic Coordinator, Department Head, or, if necessary, to the VCAA.

If it is felt that the student’s violation of Academic Honesty Policy warrants probation, suspension, or expulsion, the matter will be referred to the Academic and Admissions Appeals Committee and then to the Vice Chancellor of Academic and Student Affairs, if necessary.

For additional information about Academic Misconduct, please consult the Student Handbook pp. 19-28.

Student Records

Change of Catalog
Students are expected to complete the requirements for a degree as listed in the catalog in effect at the time they first enrolled. If a student changes his/her major, the catalog in effect at the time the official change of major is processed must be followed. Also, if students fail to enroll at Delta for two consecutive non-summer semesters, the catalog in effect at the time they return must be followed. As an alternative, students may choose to graduate under the catalog in effect at the time they complete the program requirements.

**Change of Major**

A degree-seeking student may transfer from one degree or certificate program to another. A non-degree-seeking student may declare a major after meeting the admission requirements for a degree- or certificate-seeking student. Such application is made in the office of the Dean of Student Enrollment Services.

**Student Records**

**Admissions Office**

The Dean of Enrollment Services oversees the operation of the Admissions Office personnel, policies and procedures. The main functions of this office are to take applications for admissions and collect other required documents and evaluate credentials. Placement testing is conducted by the Admissions Office prior to each registration period, and at other times by appointment. For additional information, students should contact the Admissions Office.

**Registrar’s Office**

The Dean of Enrollment Services is responsible for the maintenance and security of student academic records as well as the scheduling of early, regular and late registration sessions each semester. The dates for registration, add/drop and the deadline to withdraw from classes or resign from the College are published in the Academic Calendar. Registration is not complete until all appropriate fees and tuition have been paid or payment arrangements have been made.

**Transcripts**

Student records, including academic transcripts, are housed in the Office of the Dean of Enrollment Services. Copies of these records are available to students through written requests. Transcripts will not be sent to a third party without a written release signed by the student unless the request is from an authorized agency of the government. Students must notify the Dean of Enrollment Services of changes in mailing address, legal name or phone number. Students are held responsible for all communications sent by the College to the last address provided.

**FERPA**

Delta recognizes that maintaining student information and academic records is vital to the student’s education and to institutional research. The College is obligated to exercise discretion in recording and disseminating information about all students to ensure privacy is maintained. In accordance with the Family Education Rights and Privacy Act (FERPA) - Sec. 513 of P.L. 93-380, Education Amendments of 1974, amending the General Education Provision Acts Sec. 438, postsecondary students attending Delta have access to their official records. Delta assumes that all students are independent unless the parents document dependency. Parents may document dependency by showing that the student is listed as a dependent on the parents’ latest Federal Income Tax return. The Act further provides that certain information designated as “Directory Information” may be released by the College about the student, unless the student has informed the Dean of Enrollment Services in writing that such information should not be released.
Campus Identification Number (CID)

Effective Fall 2009, social security numbers are no longer used to identify student records at Delta. Students will be issued a Campus Identification Number (CID) when they make application for admission to the College. This will be used to access a variety of services at Delta.

While the social security number will still be required, it will be used for internal reporting purposes and not as the primary identification number for accessing student information. The Social Security number is only used by the College as an identifier in the record system and is not released to any unauthorized agency without consent of the student.

Directory Information

At the College’s discretion, Directory Information, in accordance with the provisions of the FERPA, may be made available including: student’s name, local address and phone number, home address and phone number, email address, date and place of birth, major field of study, dates of attendance (past and current), full or part-time enrollment status, participation in officially recognized activities and sports, weight and height of members of athletic teams, degrees and awards received and dates, and most recent previous educational agency or institution attended. Students may withhold Directory Information by notifying the registrar in writing within two weeks after the first day of class. Student requests for non-disclosure will be honored by the College for only one academic year; therefore, authorization to withhold Directory Information must be filed annually in the Office of Enrollment Services.

Student E-Mail Addresses

Delta’s official communication method to students is through Delta student e-mail addresses. Students are assigned e-mail addresses once admitted to Delta. Students are encouraged to check their e-mails daily for announcements, student financial aid award letters, student bills, Enrollment Services messages, or information regarding emergencies. Students who have questions regarding Delta e-mail addresses may contact the Office of Student Services.

Library and Learning Resource (LRC) Services

Learning Resource Center

Delta provides an ideal learning environment with a student study/resource center for all students on our new campus. The Delta Learning Resource Center was established in 2002 and has evolved into a center with many media resources to support student learning. The Center offers academic assistance, free of charge, via peer/faculty tutoring, as well as diverse learning aids and computer assisted learning. The Resource Center also provides a comfortable study atmosphere for required student research and leisure activities. Hours of operation: Monday - Thursday, 7:30 am to 7:00 PM and 7:30 am to 4:00 pm.

Library

The Delta Library is completely operational on the new campus. The collection holds many core items for the curriculums offered by the college. The library houses many reference and circulation items for student use. The development of the collection will continue to improve with up-to-date and professional resources to support student learning. Hours of operation: Monday-Thursday, 7:30 am to 7:00 pm and Friday 7:30 am to 4:00 pm.
Campus Safety, Security, and Conduct

Campus Safety/Security

Campus Alerts. Delta uses FirstCall, an emergency notification system that alerts students through voice mail, email or text messaging in the event of a campus emergency. Students are strongly encouraged to register for this service.

Parking Regulations

All students who park a motor vehicle on College property must register their vehicle and display a valid parking decal on the vehicle. The cost of the parking decal is $30 and is good for fall, spring, and summer. Also, students attending summer sessions only pay $10 for the decal. To replace the parking decal, students must pay a $10 replacement fee. Students purchase and receive parking decals at the Student Billing Window that is located on the first floor of the Louisiana Purchase Building.

On autos or trucks, parking decals should be placed or affixed on the driver’s side rear window. Vehicles that do not have the decal will be issued a citation.

If there are questions or problems concerning the parking permit, please contact the Safety Department 345-9106.

Parking Procedures for Students with Special Needs

Students with special needs are provided parking accommodations on the campus. The student must provide documentation of the special need to the Office of Student Services at Delta. The Office of Student Services assigns a Special Needs Parking decal. Parking decal is cost $30.

Cell Phone and Pager Policy

Cell phones and pagers must be set on vibrate or turned off while students are in the classrooms. In an emergency situation, the instructor may give a student permission to use a cell phone or pager.

Student Handbook

A copy of the student handbook can be downloaded from the Delta website at www.ladelta.edu. The handbook contains official policies and procedures relating to student’s rights and responsibilities. Students are responsible for familiarizing themselves with the contents of the publication.

Student Code of Conduct: A copy of the Code of Conduct can be found in the Student Handbook. All students must abide by the rules and regulations in the Code of Conduct.

Federal Financial Aid, Scholarships, & Tuition Assistance
Federal Financial Aid, Scholarships and Tuition Waivers

A college education is one of the most important investments a student can make. The Office of Financial Aid is committed to helping students reach their educational goals who would otherwise not be able to do so. We offer federal, state and institutional financial aid resources to assist students in funding the costs associated with their education. Though it is felt that the primary responsibility for financing postsecondary education rests with students and their families, every effort is made to provide necessary supplemental funding to ensure that no student is denied the opportunity to attend Delta because of financial limitations.

Federal financial assistance and scholarships are available for degree-seeking students. Students may also apply for various types of waivers to assist with the payment of tuition. Students may be offered a single type of assistance or a combination package depending on the level of need and eligibility requirements. Aid may be provided by or through the college, federal and state agencies, foundations, or corporations. Apply early!

Eligibility for Federal Financial Aid

The Federal Pell Grant is a program for students who have not completed their first bachelor’s degree and who demonstrate exceptional financial need. Eligibility requirements include being a U.S. citizen or permanent resident, being enrolled in an eligible program as a degree seeking student, be making Satisfactory Academic Progress, and show a demonstrated need as assessed by the federal needs analysis formula. Other requirements include not being in default on a federal student loan, not owing a refund on a Federal Pell Grant, and having a valid social security number. Pell Grant eligibility is determined by the Central Processing Service using the Federal Needs Analysis formula approved by Congress.

The Go Grant is a need based state grant for Louisiana residents who are Federal Pell Grant recipients. Students must be a first time freshman for Fall 2007 semester or 25 years of age or older and not have enrolled in credit bearing courses for at least one academic year. More information is available on our website at www.ladelta.cc.la.us or in the Office of Financial Aid.

Federal Supplemental Educational Opportunity Grant (FSEOG)

FSEOG is a federal grant that does not have to be repaid. Each year, unlike the Pell Grant, the amount of FSEOG students receive depends on their financial need, other aid received and the availability of funds at Delta. Funds are limited. Students must complete the FAFSA by the April 15th priority deadline.

LEAP/SLEAP

These are grant programs for Louisiana residents who are full time students attending Louisiana Post Secondary Schools. Awards can range from $200 to $2,000 based on the amount of funds allocated to the college. Submit FAFSA to apply.

Federal Work Study Program

This program is subsidized by the Federal Government and provides part-time work through the various departments on campus and through public or private non-profit organizations off campus for qualifying students. In order to qualify, students must demonstrate financial need for the earnings from part-time employment. Under the United States Office of Education guidelines, priority must be given to the students having the greatest financial need. Students must complete the Free Application for Federal Student Aid to qualify. Funds are limited; therefore, students need to apply on the FAFSA by the April 15 priority deadline.
### Important Financial Aid Dates

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 15</td>
<td>Financial Aid Application priority deadline for summer session(s)</td>
</tr>
<tr>
<td>April 15</td>
<td>Financial Aid Application priority deadline for fall semester</td>
</tr>
<tr>
<td>April 30</td>
<td>Satisfactory Academic Progress (SAP) appeal deadline for summer</td>
</tr>
<tr>
<td>June 30</td>
<td>Foundation and Process Technology Scholarship deadline for fall semester. Satisfactory Academic Progress (SAP) appeal deadline for fall semester</td>
</tr>
<tr>
<td>November 11</td>
<td>Foundation and Process Technology Scholarship deadline for spring semester</td>
</tr>
<tr>
<td>November 15</td>
<td>Financial Aid Application priority deadline for spring semester</td>
</tr>
<tr>
<td>November 30</td>
<td>Satisfactory Academic Progress (SAP) appeal deadline for spring semester</td>
</tr>
</tbody>
</table>

### 6 Easy Steps to Apply for Federal Financial Aid

**Step 1:** Apply for Admission at Louisiana Delta Community College. You must be accepted in an Associate Degree program before Delta can determine your eligibility for financial aid. Confirm your status with the Admissions Office at 318-345-9128.

**Step 2:** Complete the Free Application for Federal Student Aid (FAFSA). The FAFSA is available online at http://www.fafsa.ed.gov starting on January 1st of each year. You may sign your application electronically using your federal PIN. If you do not have a PIN you can apply for one at the same time you complete your FAFSA. If you are dependent, your parent(s) should apply for a PIN also. Be sure to list Delta’s school code, 041301 on the application so that Delta can receive your results electronically. Transfer and continuing Delta students must meet Delta’s minimum Satisfactory Academic Progress standards to receive federal financial aid.

**Step 3:** Carefully examine your Student Aid Report (SAR). Once your FAFSA application is processed you will receive an email from the Federal Processor with a link to your Student Aid Report (SAR). Be sure to check over your SAR for any errors. If you have to make corrections, you can electronically. Be sure you and your parent(s) resign the corrections electronically with your PINs. If you do not receive the SAR within 2 weeks from when you first submitted it online, contact the Federal Processor at 1-800-433-3243.

**Step 4:** Complete the Delta Financial Aid Data Form. This is a required form that provides the Office of Financial Aid with additional information necessary to process your financial aid request. Your Financial Aid cannot be processed until this form is received. The Delta Financial Aid Data Form is available online at http://www.ladelta.edu or in the Office of Financial Aid.

**Step 5:** Look for a Missing Information Letter. Once the Office of Financial Aid receives your SAR, you may receive a letter requesting additional information or documents required to complete your application. These documents must be submitted by the April 15 priority deadline to ensure that Delta will have enough time to process your request by the fee payment deadline in August. Allow a minimum of 4 to 6 weeks for your aid application to be reviewed and processed.

**Step 6:** Accept your Award Online. A financial aid award letter will be sent to you detailing your financial aid package. You can also accept your financial aid award online at http://www.ladelta.edu.

### Satisfactory Academic Progress
Students receiving federal financial aid must meet LDCC’s minimum Standards of Academic Progress. Satisfactory Academic Progress (SAP) is defined as completing a required number of hours and maintaining a minimum cumulative grade point average (GPA) for a current degree sought during a maximum period of time. SAP is reviewed annually at the end of each academic year to determine eligibility for federal financial aid. An academic year is defined as a fall and subsequent spring semester. Satisfactory Academic Progress is required of all financial aid applicants at Delta, including applicants who have not previously participated in federal aid programs.

Qualitative Standards: Students are not reviewed for SAP until 16 hours of coursework have been attempted.

**Minimum Progress Standards**

<table>
<thead>
<tr>
<th>Hours Attempted</th>
<th>Minimum Cumulative GPA requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-29</td>
<td>1.75</td>
</tr>
<tr>
<td>30-92</td>
<td>2.0</td>
</tr>
</tbody>
</table>

**Quantitative Measure**

Delta offers two-year degrees that require approximately 61 credit hours to graduate. Applying the 150% rule, the maximum credit hours that students can attempt at Delta and receive federal financial aid is 108 semester credits (72 x 150% = 108). Seventy-two (72) semester credit hours is the maximum number of hours students can earn based on their degree program. Once students earn 72 semester credits, they are considered to have earned the equivalent of an Associate Degree. Students must also demonstrate a progression by earning 67% of all courses attempted. The Office of Financial Aid monitors progress and will cancel all financial aid once 72 semester credits have been earned or if less than 67% of attempted work has been completed.

Students must pass a minimum of 67% of their credit hours attempted during the preceding fall and spring semesters. Drops, withdrawals, incompletes, repeated and non-credit remedial coursework will be counted towards the hours attempted. Federal regulations set the maximum timeframe in which students must complete their educational program as 150% of the length of the educational program.

**Students not meeting the above requirements are not considered to be making Satisfactory Academic Progress and will not be eligible for federal assistance until they meet the Minimum Progress Standards** (see below)

<table>
<thead>
<tr>
<th>If Attempted</th>
<th>Must Earn</th>
<th>If Attempted</th>
<th>Must Earn</th>
</tr>
</thead>
<tbody>
<tr>
<td>6(67%)hrs.</td>
<td>4 hrs.</td>
<td>58</td>
<td>39</td>
</tr>
<tr>
<td>7 or 8</td>
<td>5</td>
<td>59 or 60</td>
<td>40</td>
</tr>
<tr>
<td>9</td>
<td>6</td>
<td>61</td>
<td>41</td>
</tr>
<tr>
<td>10 or 11</td>
<td>7</td>
<td>62 or 63</td>
<td>42</td>
</tr>
<tr>
<td>12</td>
<td>8</td>
<td>64</td>
<td>43</td>
</tr>
<tr>
<td>13 or 14</td>
<td>9</td>
<td>65 or 66</td>
<td>44</td>
</tr>
</tbody>
</table>
Satisfactory Academic Progress (SAP) Appeal Procedures

Students who do not meet the minimum requirements for SAP are no longer eligible to receive federal financial aid. However, students do have the option to appeal. Students with extenuating circumstances beyond their control that affected their ability to meet SAP standards may appeal to the Student Affairs-Financial Aid Appeals Committee to have their financial aid reinstated.

The Financial Aid Appeal and Reinstatement Agreement (available on our website at: www.ladelta.edu must be completed and submitted along with a written statement (preferably typed) with all supporting documentation attached. The documentation must be directly related to the events that affected the student’s ability to meet SAP standards. An undocumented appeal will not be approved.

Students who submit financial aid appeals should pay their tuition and fees and be reimbursed afterwards if their appeal is approved. The Student Affairs-Financial Aid Appeals Committee reviews all appeals and notifies all students of their decisions in a timely manner. All appeal decisions are final.

Students who have appeals approved are eligible for aid reinstatement on a semester-by-semester basis. As long as students complete 67% all courses attempted with a ‘C’ grade or better, they may remain eligible for federal financial aid. Students who do not earn ‘C’ grades or better or do not complete 67% of all attempted courses will not be eligible for financial aid reinstatement for the next semester.

Visit www.ladelta.edu for more information regarding SAP and to access a copy of the Financial Aid Appeal and Reinstatement Agreement.

Academic Renewal

The Office of Financial Aid does not recognize academic renewal for federal financial aid purposes.

Transfer Students

Transfer students must meet the requirements for Satisfactory Academic Progress to be eligible to receive federal financial aid. Academic transcripts are reviewed to determine the total hours attempted at all prior schools and compared to the maximum allowed at Delta for their intended major. Eligibility is evaluated using the incoming cumulative GPA, percentage of course hours completed and the aggregate hours attempted. Students who have exceeded the aggregate hours allowed for their degree program, have a deficient cumulative GPA, or have not completed the required 67% of courses attempted are not meeting the Satisfactory Academic Progress requirements.

Veteran’s Benefits
Veteran’s benefits are available for qualifying disabled veterans and dependent children or spouses of a disabled or deceased veteran. Students receiving the Montgomery G.I. Bill may also apply for veteran benefits. For more information, see the Delta website.

Scholarships

Taylor Opportunity Program for Students (TOPS) and TOPS TECH

Tops is a merit-based scholarship program administered through the Louisiana Office of Student Financial Assistance (LOSFA) in Baton Rouge. The Free Application for Federal Student Aid (FAFSA) must be completed by students who are applying for TOPS. LOSFA updates a master roster every week. This roster identifies TOPS eligible students based on FAFSA information, high school core curriculum requirements, ACT scores, and GPA. An official offer will come from LOSFA if you are eligible. You can check your current eligibility status at http://www.osfa.state.la.us.

If you are eligible for the TOPS Tech award, you must be seeking an associate’s degree in Business Technology. TOPS Performance or Honors awards are eligible for an additional stipend each semester.

Louisiana Pathways Scholarship

Students seeking an Associate of Science degree in Care and Development of Young Children can apply for the Louisiana Pathways Scholarship. The statewide scholarship program is open to individuals working or wanting to work with Louisiana children from birth through 8 years old. Enrollment and active participation in the Louisiana Pathways Child Care Career Development System is required to receive a scholarship. This scholarship will assist students with the cost of tuition; however, students are still responsible for all required fees, books, and supplies. For more information contact LA Pathways at 318-677-3167 or 1-800-245-8925 or http://pathways.louisiana.gov/.

Foundation Scholarships

Each semester Delta offers a number of Foundation Scholarships that cover all or a part of the tuition and fees for eligible students. Applications and more specific eligibility criteria are available on Delta’s website at http://www.ladelta.edu and in the Office of Financial Aid.

Foundation Scholarships Available

Carol B. Coltharp Memorial Business Scholarship: Applicants must be a Business Technology major pursuing an Associate Degree. Scholarship is available to new and continuing students. Entering freshmen applicants must have a 2.5 grade point average (GPA) or higher. Continuing college students must have a 3.0 cumulative GPA or higher. Single parent applicants are preferred. One scholarship awarded per year.

General Foundation Scholarship: Applicants can be in any major pursuing an Associate Degree. Scholarship is available to new and continuing students. Entering freshmen applicants must have a 2.5 GPA or higher. Continuing college students must have a 3.0 cumulative GPA or higher. Applicants must be enrolled in a minimum of 9 credit hours.

Glen B. Roscoe Scholarship: Applicants can be in any major pursuing an Associate Degree. Scholarship is available to graduates of high schools within the Louisiana Delta Community College’s service area. Applicants must be an outstanding golfer and be enrolled in a minimum of 12 hours, or 24 hours for the academic year. Entering freshmen and continuing college
students must have a minimum 2.5 cumulative GPA or higher. A maximum of two years allowed for use of the scholarship. One scholarship awarded per year.

Kitty DeGree Scholarship: Applicants must be in Nursing or Allied Health major pursuing an Associate Degree. Scholarship is available to continuing students only. All developmental requirements must have already been completed with a 3.0 cumulative GPA or higher. Applicants must demonstrate financial need and be a Louisiana resident. Applicants must submit a personal narrative describing their goals and commitment to a career in nursing or an allied health field in Louisiana.

Staci R. Aucoin Memorial Scholarship: Applicants can be in any major pursuing an associate’s degree. Scholarship is available to female graduates of West Monroe High School with a 3.0 cumulative GPA or higher. Must have participated in one of the following sports during senior year: basketball, 400-meter individual or member of 4x400 meter relay team. Applicants must be full-time and maintain a 3.0 cumulative GPA or higher. One scholarship awarded per year. A maximum of two years allowed for use of the scholarship.

Process Technology Scholarships

Students enrolled full-time in General Studies with a concentration in Process Technology may apply for the Process Technology Scholarships. The application and information about specific criteria and requirements are available on the Delta website at http://www.ladelta.edu.

Process Technology Scholarships Available

Angus Process Technology Scholarship: Applicants must be a General Studies major with a concentration in Process Technology pursuing an Associate Degree. Scholarship is available to new and continuing students. Entering freshmen applicants must have a 3.0 or higher cumulative GPA. Applicants must be enrolled in a minimum of 12 credit hours. Continuing college students must have a 2.0 or higher cumulative GPA. To keep the scholarship students must maintain good standing in the Process Technology program with a 3.0 or higher cumulative GPA in Process Technology classes. Six scholarships awarded per year.

Euroboard Process Technology Scholarship: Applicants must be a General Studies major with a concentration in Process Technology pursuing an Associate Degree. Scholarship is available to new and continuing students. Applicants must be enrolled in a minimum of 12 credit hours. Scholarship is intended for an at-risk student (single parent household or no parents). To keep the scholarship student must maintain a 2.5 or higher cumulative Process Technology GPA and be in good standing in the Process Technology program. One scholarship awarded per year.

OEDC Land Corporation Process Technology Scholarship: Applicants must be a General Studies major with a concentration in Process Technology pursuing an Associate Degree. Scholarship is available to new and continuing students who seek an education to obtain permanent employment in industries that use and control mechanical, physical or chemical processes to produce a final product. Applicants must be enrolled in a minimum of 12 credit hours. Entering freshmen applicants must have a 3.0 or higher cumulative GPA. Continuing college students must have a 2.0 or higher cumulative GPA. To keep the scholarship students must maintain good standing in the Process Technology program with a 2.5 or higher cumulative GPA in Process Technology classes. One scholarship awarded per year.

Outside Scholarships

If you applied for a scholarship from a private foundation, company or community group, you must contact the Office of Financial Aid. We process these funds, however, these scholarships are awarded based upon criteria designated by the donor. If a donor wishes to send a check on your behalf directly to Louisiana Delta Community College, please request that the check be made payable to Louisiana Delta Community College and mailed to the Office of Financial Aid, 4014 LaSalle Street, Monroe, LA 71203.
Tuition Waivers

Louisiana Delta Community College (LDCC) Employee Tuition Fee Waiver

This program is designed to encourage employees to continue their education through completion of an associate’s degree. It provides assistance for employees by covering part of the tuition costs. Applicants must be full-time and have been employed at Delta for at least one year in a permanent position. Applicants must complete the LDCC Employee Tuition Fee Waiver form available on the Delta website at www.ladelta.edu.

Louisiana National Guard Tuition Waiver

The Louisiana National Guard provides a tuition waiver to students who are active members in good standing. The amount of the award is normally the cost of tuition and does not include student self-assessed fees, books and supplies. Exemptions may be claimed for five separate academic years or until the receipt of a bachelor’s degree, whichever occurs first. Students must appear on the eligible State Tuition Exemption Program (STEP) list and be in academic good standing.

Louisiana Vocational Rehabilitation Grants

Vocational Rehabilitation provides assistance with educational costs for students with permanent disabilities that constitute a job handicap. This program usually covers the expense of tuition and fees. Eligibility is based on an individual with a disability benefiting from vocational rehabilitation services in terms of achieving employment, including supported employment. Students may apply at the Monroe Regional Office, 122 St. John St., Suite 311, Monroe, LA 71201 or call 318-362-3232 or 1-800-737-2973.

Strategies to Empower People (STEP) Program

Strategies to Empower People (STEP) Program: STEP is a family case management program designed to help all work-eligible recipients of the Family Independence Temporary Assistance Program (FITAP) move toward financial independence. The Office of Family Support works with a network of community resources to connect these individuals with the resources they need in order to receive training to gain employment, improve workplace skills and move up the career ladder.

STEP participants may attend any Community or Technical College within the Louisiana Community and Technical College System (LCTCS). The cost of tuition, fees, books and supplies are covered for eligible STEP participants. Interested students should apply with their local Office of Family Support to determine if they are eligible for this program.

SGA Waivers for Officers

Student Government Association waivers of in-state tuition, exclusive of student self-assessed fees may be granted to the four highest ranking SGA officers. These officers include President, Vice-President, Secretary and Treasurer. The waivers for the officers cannot exceed the cost of four full-time equivalent students.

Return of Title IV Funds Policy for Federal Financial Aid

Students who receive Title IV financial aid will be subject to the Return of Title IV Funds Policy if they withdraw before completing 60% of the semester in which they were disbursed Title IV financial aid.

The Return of Title IV Funds Policy calculates the student’s percentage of earned aid by using the following formula: The prorata percentage of earned aid = number of calendar days attended/number of calendar days in the enrollment period.
The number of calendar days attended is calculated by counting from the first day of the semester to the student’s official withdrawal date. The number of calendar days in the semester is calculated by counting from the first calendar day of the semester/summer session to the last calendar day of the semester/summer session. Weekends and holidays (excluding Mardi Gras) are included in the number of calendar days.

Note: Students who stop attending classes and do not officially resign from Delta will also be subject to this policy. All instructors involved are contacted to verify the last date of class attendance.

Students who are awarded financial aid and withdraw from their classes on or before the 14th class day will be required to pay back all or a portion of the financial aid they receive.

**Student Services and Policies**

**Student Services & Policies**

Delta is committed to providing student services to assist and support students and to provide enrichment of their College experiences. Further Information about student services is available from the Office of Student Services/Financial Aid, under the supervision of the Dean of Student Services.

**Identification Cards**

All Delta students are required to obtain College identification cards. Students are given information about obtaining identification cards from the Student Services Office during pre-registration activities. The card allows students to use College facilities. Students must validate their identification cards each semester or summer term with the office of Student Services at Delta.

Cards must be shown when requested by College staff. Identification cards are non-transferable and students who misuse these cards are subject to disciplinary action. If an identification card is lost, it must be reported and replaced; a $5.00 replacement fee will be assessed.

**Career Services**

Career Services staff is committed to providing free career counseling services and resources to assist students in exploring and defining their career options. Students can find help with the job search process through workshops, job placement support, a job website, and annual Career Fairs. The Kuder Journey Career Exploration system is available for students to complete career assessments and develop career goals. The Director of Student Services and Career Placement is available to meet with students regarding career guidance.

**Dress Code**

Although Louisiana Delta Community College does not have an official policy concerning dress code, the students, faculty, and staff of the College take pride in exhibiting an appropriate and professional appearance while on campus and while representing the College. Therefore, all Delta students are expected to dress in an appropriate manner while on campus, in the classroom, and when representing the College within the community. This would include shirts, shoes, and pants/shorts/dress. Students’ apparel should be neat, clean, and in good taste.

**Tobacco-Free Campus Policy**
Louisiana Delta Community College seeks to provide a safe, healthy, pleasant environment for its faculty and students. To this end, the use of tobacco products, including smoke and smokeless tobacco, and the advertising, sale, free distribution, and discarding of tobacco products shall be prohibited in all indoor and outdoor facilities and in all state-owned vehicles. The policy extends to faculty, staff, students, vendors, guests, and visitors. Use of tobacco products shall include:

a. Possession of a lighted tobacco product
b. Use of smokeless tobacco products

Counseling and Disability Services

Student Counseling and Disability Services

Counseling Services

Delta has full-time counseling services available to students who may desire emotional-mental-psychological support. Office hours are Monday - Friday 8:00 AM to 4:30 PM. Hours during the summer sessions may change and will be announced. Generally, counseling interventions consist of support, advocacy, and consultation through individual, group, emergency-crisis and outreach activities. Appointments, calls, walk-ins and referrals are welcomed. Confidentiality is assured and is viewed essential to the success of the student-counselor relationship.

Disability Services

Delta’s student disability services are offered to full-time students with disabilities who meet the service criteria. Students should register with the office of Student Counseling and Disability Services and complete an accommodations review as soon as possible with the Coordinator of services. Students’ documentation must be current and the eligibility criteria should meet the DSM IV. Office hours are Monday - Friday 8:00 AM to 4:30 PM. Hours during the summer sessions may change and will be announced.

Student Organizations/Activities

Student Activities and Organizations

A well-rounded education involves more than simply attending classes or seeking academic pursuits. Delta offers extracurricular activities to satisfy students’ needs and to promote life skills. Offering something for everyone, these organizations give students ample opportunity to become involved in planning activities, making new friends, developing leadership qualities and social skills, and receiving recognition for exceptional performance. Students should adhere to all college policies and the student code of conduct while enrolled at Delta. Each organization must register its bylaws and constitution with the Office of Student Services to become a chartered organization of Delta. Each organization must have a faculty advisor who will assist in the development of policies of the organization and who will serve to advise students. Student organizations may be chartered based upon the recommendation of the Department Chair, Student Government Association and Dean of Student Services.

Student Government Association

The Student Government Association (SGA) is comprised of students elected to represent the ideas of the students and promote the general welfare of the campus community. Through the SGA, students are encouraged to provide input into the decision-making process.
making process of the College. SGA also has a voice in the College governance through representation on the College Council, Academic Support Committee, and Student Technology Fee Committee. The open-door policy of campus administrators also allows for student input.

**Other Student Organizations**

Behavioral and Social Science Organization  
DCF – Delta Christian Fellowship Club  
DECO – Early Childhood Organization  
FOCUS (Fine Arts Organization: Cultural Understanding Services)  
Phi Beta Lambda Business Organization  
Phi Theta Kappa Honor Society  
Sci Quest  
Skills USA  
SNA (Student Nurses Association)  
Spanish Club

**Student Billing and Refunds Policy**

**Refunds - Add/Drop of a Class**

**Policy Statement**

Delta provides refunds to students who are enrolled at Delta and who are resigning from all classes or dropping a course during the official drop period defined each academic semester.

**Adding a Class**

Tuition and related fees for classes added to a student’s schedule are due at the time the “Add” is processed.

**General Tuition Refund Policy on Semester Basis**

(equivalent for summer session/term or alternative session)

<table>
<thead>
<tr>
<th>Withdrawal Prior to 1st Day of Class</th>
<th>Tuition, All Fees</th>
<th>100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drop* and Resignation: Days 1-3 (Official Schedule Change Period)</td>
<td>Tuition, Refundable Fees</td>
<td>100%</td>
</tr>
<tr>
<td>Resignation: Days 4-5</td>
<td>Tuition Only</td>
<td>75%</td>
</tr>
<tr>
<td>Resignation: Days 6-14</td>
<td>Tuition Only</td>
<td>50%</td>
</tr>
</tbody>
</table>
Cancelled Class | Tuition, Refundable Fees | 100%
---|---|---

Above are subject to change with a Letter of Exception

*After official schedule change period, no refunds will be given for dropping a course or courses*

Refundable Fees: Operational Fee, Student Technology Fee, Academic Excellence Fee, Course Related Fees

a. Students receiving financial assistance may not be refunded an amount greater than the amount paid by the students.
b. Delta reserves the right to deduct all monies owed before refunding.
c. A formal appeal process shall be in place for hearing compliants due to denial of all or part of refunds.

Refunds are mailed approximately 3 weeks after the 14th day of class or equivalent for summer sessions/ terms or alternative sessions.

### Student Debt Information

Students indebted to Delta will not be allowed to reenter or receive an official transcript of scholastic work. A student may be dropped from class for non-payment of tuition/fees and/or other debts when due or when a check offered by the student is not honored by the bank on which it was drawn. The student is responsible for informing the Dean of Enrollment Services of any change of address from that given at registration. Delinquent student debts are subject to being assigned to an independent collection agency, at which time a collection fee of 30% will be added and collected in addition to the original debt.

### Deferred Payment Plan

- The Deferred Payment Plan for Louisiana Delta Community College is administered by Nelnet. There will be NO deferred payment plan for summer session(s). There is a $35 administrative fee charged by Nelnet for each deferred payment plan agreement.
- All full payments are processed immediately. All down payments are processed immediately upon completion of the Nelnet deferred payment plan agreement.
- Students may make full payments through nelnet at no charge.
- When an agreement with Nelnet is terminated [usually due to a closed or frozen account] the tuition and fees for the semester will become immediately due to LDCC. Accounting will advise the Dean of Enrollment Services, that the student’s transcripts and all future services to that student by LDCC be withheld until amount is paid in full. Accounting will begin collection efforts after the last day to drop with a W grade. Accounts of this nature will be turned over to the collection agency at the end of the semester.

### Higher One Debit Cards

Students with credit balances have the option of receiving refunds on the Higher One Debit Card. Check Delta’s Student Billing Office for additional information.

### Returned Checks

The charge for each returned check is $25.00. When a check is returned, the student will forfeit all check writing privileges with Delta in the future. Putting a stop payment on a check will not constitute an official resignation from the College. All returned checks are turned over to the District Attorney’s office for collection.
Campus Bookstore

Bookstore

Students have a variety of options in purchasing textbooks. Students may use our campus bookstore, LA Delta Bookstore, The University of Louisiana at Monroe (ULM) Bookstore (Campus Corner), Northeast Textbooks, or any online book vendor may serve textbook and supply needs for Delta students.

Students who choose to use the LA Delta Bookstore may pay for books with cash, checks, VISA, MasterCard, American Express, or Discover cards. Students may complete the Textbook Reserve Form and books will be ready for pick-up. (Ext. 9009).

LA Delta Bookstore hours

8:00 – 6:00 PM Monday-Thursday
8:00 – 12:00 PM Friday

Store hours the first 2 weeks of class

7:30 – 8:00 PM Monday-Thursday
7:30 – 1:00 PM Friday

Book Refunds

Copies of the book refund policies and buyback policies are available at the respective bookstores.

Book Store Credit

Students eligible for financial aid and who have credit balances after tuition and fees are paid may receive a bookstore credit at the Delta Bookstore beginning the first day of class. Students must complete a Title IV authorization form to receive the credit. Forms are available on Delta’s website under Financial Aid Forms. Check with the Office of Financial Aid for additional information.

Tuition and Fees

Louisiana Delta Community College Tuition and Mandatory Fee Schedule (Effective Fall 2011)

Click here to view the Tuition and Mandatory Fee Schedule.

Cross Enrolled Students – Reimbursement of Fees
Students who are cross-enrolled at ULM and wish to receive a reimbursement of library and student life fees must present verification of fees paid at ULM by the 14th class day. Students are not eligible for a reimbursement of fees after the 14th class day or the equivalent time in summer sessions.

**General Education**

**General Education**

Delta believes that general education helps students achieve their academic, career, and life goals. It includes three main elements: skills prerequisite to achievement, a foundation of knowledge, and knowledge to broaden and enrich students’ lives. Delta’s general education courses are also designed to transfer effectively to other Louisiana community colleges and universities. General education at Delta helps students establish and expand their world views by effectively communicating, evaluating, and appreciating the following: cultural awareness and human values; social behavior and interactions, historical contexts, government and/or political awareness; artistic expression; and scientific thought processes.

Delta currently has seven General Education Student Learning Outcomes. These were established by the General Education Committee following the Board of Regents/ Louisiana Community and Technical College System policies, and are achieved through the successful completion of select courses in the following categories: humanities/ fine arts, social/behavioral sciences, and natural sciences/ mathematics. The General Education Student learning Outcomes are as follows:

- To communicate effectively in oral and written English, and read with comprehension.
- To reason abstractly, think critically, and learn independently.
- To process and use numerical data, statistics, and the scientific method.
- To find and use information using current technology and conventional research methods.
- To recognize and appreciate cultural diversity, and develop a personal value system while retaining a tolerance for others.
- To experience the nature and value of the fine and performing arts.
- To be knowledgeable of the varied political systems.

**English Composition 6 Hours**

Complete both courses.

**ENGL 101 - English Composition I**

**Total Credits = Cr. 3**
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

**Prerequisites:** ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

**ENGL 102 - English Composition**
Students will master the principles of researched writing and complete an accurately documented research paper.

**Prerequisites:** ENGL 101 with a grade of “C” or higher.

### Humanities 9 Hours

Including 3 in literature.

**ENGL 201 - English Literature**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

This course is a survey of important works of English literature from the Anglo-Saxon period to the Restoration and Eighteenth Century. Writers studied in the course will include Chaucer, Marlowe, Shakespeare, Donne, Milton, Swift and others.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 202 - English Literature**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

This course is a survey of important works of English literature from the Romantic Period through the Twentieth Century. Writers studied in the course will include Blake, Shelley, Wordsworth, Keats, Bryon, Coleridge, Browning, Tennyson, Conrad, Yeats, Joyce, Lawrence, Eliot, Auden and others.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 203 - American Literature I**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

This course will be a survey of significant works in American Literature from its beginnings to 1860. Included in the course are Native American myths, works by early explorers and settlers, the literature of reason and revolution, and the Romantic and Transcendental movements.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 204 - American Literature II**
A survey of American Literature from 1860 to the present. Major writers include Whitman, Dickinson, Twain, Frost, Eliot, Hemingway, Faulkner and Steinbeck, as well as the rising voices of ethnic and women’s literature in the 20th century.

Prerequisites: ENGL 102 with a grade of “C” or higher.

**ENGL 205 - World Literature**

A survey of the major works of World Literature from the Classical Period to the Renaissance, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

Prerequisites: ENGL 102 with a grade of “C” or higher.

**ENGL 206 - World Literature**

A survey of the major works of World Literature from the Renaissance to the present, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

Prerequisites: ENGL 102 with a grade of “C” or higher.

**ENGL 207 - Literature Of The Old Testament**

This course is a survey of literature found in the Old Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

Prerequisites: ENGL 102 with “C” or higher.

**ENGL 208 - Literature Of The New Testament**

Total Credits = Cr. 3
Lecture = Lec. 3
This course is a survey of literature found in the New Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

Prerequisites: ENGL 102 with “C” or higher.

ENGL 211 - Survey Of Short Stories & Novels

Total Credits = Cr. 3
Lecture = Lec. 3

Skills for reading and writing about fiction; attention to generic conventions and critical perspectives; section emphasis may vary; consult departmental handout.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 215 - Introduction To Drama & Poetry

Total Credits = Cr. 3
Lecture = Lec. 3

The course is designed to develop in students an ability to understand, analyze and evaluate drama and poetry. The first half of the course focuses on drama and introduces the student to plays from the Greek classics through the twentieth century. The second half of the course emphasizes poetry that reflects different forms, subjects, themes and points of view. Since reading is a major focus of this course, students will practice a variety of interrelated reading and interpretative skills. Students’ writing should move beyond paraphrasing into analysis, interpretation and argumentation.

Prerequisites: ENGL 102 with a grade of “C” or higher.

FREN 101 - Elementary French I

Total Credits = Cr. 3
Lecture = Lec. 3

A beginning course designed for students with no previous knowledge of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

FREN 102 - Elementary French II

Total Credits = Cr. 3
Lecture = Lec. 3

A continuation of FREN 101. designed for students who have completed one semester of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.
Prerequisites: FREN 101

FREN 201 - Intermediate French

Total Credits = Cr. 3  
Lecture = Lec. 3  

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: FREN 101, FREN 102

FREN 202 - Intermediate French

Total Credits = Cr. 3  
Lecture = Lec. 3  

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: FREN 101, FREN 102, FREN 201

HIST 101 - Western Civilization To 1650 A.D.

Total Credits = Cr. 3  
Lecture = Lec. 3  

A survey of civilization of the world to 1650. Major emphasis on western civilization.

HIST 102 - Western Civilization Since 1650 A.D.

Total Credits = Cr. 3  
Lecture = Lec. 3  

A survey of civilization of the world from 1650 to the present. Major emphasis on western civilization.

HIST 201 - History Of The United States 1492-1877

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of United States history from discovery through Reconstruction.

**HIST 202 - History Of The Us 1877-present**

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of United States history from Reconstruction to the present.

**PHIL 201 - Introduction To Philosophy**

Total Credits = Cr. 3
Lecture = Lec. 3;

An introduction to philosophical ideas, problems and methods through a study of important philosophers and the major systems of philosophy. Topics to be covered may include appearance and reality, human nature, nature of knowledge, relation of mind with body, the right and the good, the existence of God, and freedom and determinism.

**SPCM 110 - Fundamentals Of Speech**

Total Credits = Cr. 3
Lecture = Lec. 3;

This course develops an awareness of the history and traditions of speech communication worthy of academic study. The course is a summary of this academic and professional field and is comprised of the component parts of organizational and business communication, mass communication, small group and interpersonal communication, as well as public speaking.

**SPCM 120 - Intro To Public Speaking**

Total Credits = Cr. 3
Lecture = Lec. 3;

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

**SPCM 130 - Interpersonal Communication**

Total Credits = Cr. 3
Lecture = Lec. 3;
This speech and personal communication course is designed for students who are interested in improving their personal knowledge and practice of the principles that govern their interpersonal (usually one-to-one) and intrapersonal (within oneself) communication behavior on a daily basis. This course applies to personal, social and professional context interactions and relationships that often govern their success personally, professionally and in everyday social activities.

**SPAN 101 - Elementary Spanish I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

An introduction to Spanish language and culture. The course explores the basic grammatical structures of the Spanish language. Throughout the semester, students will develop writing, reading and speaking skills. Emphasis will be placed on communicative skills.

**SPAN 102 - Elementary Spanish II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

A continuation of SPAN 101. The course will extend students’ elementary knowledge of the basic grammatical structures of the Spanish language. Throughout the semester, students will continue to develop reading, writing and speaking skills. Emphasis will be placed on communication skills.

**Prerequisites:** SPAN 101 with “C” or higher

**SPAN 201 - Intermediate Spanish I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

This course is designed to build upon and extend students’ elementary knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** SPAN 102 with “C” or higher

**SPAN 202 - Intermediate Spanish II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

This course is designed to build upon and extend students’ intermediate knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of
communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** SPAN 201 with “C” or higher

**Fine Arts 3 Hours**

**ARTS 120 - Art Appreciation**

(Formerly ARTS 101)

Total Credits = Cr. 3  
Lecture = Lec. 3

Lecture and discussion of the visual arts with emphasis on how and why works have been created in present and earlier times. All major forms of drawing, painting, printmaking, sculpture, design and architecture are explored in basic terms.

**ARTS 201 - Survey Of Art History I**

Total Credits = Cr. 3  
Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the prehistoric period through the Gothic.

**ARTS 202 - Survey Of Art History II**

Total Credits = Cr. 3  
Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the Renaissance to Modern time.

**MUSC 101 - Music Appreciation**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course is designed to foster an understanding of music through the study of selected examples of musical works. Emphasis is placed upon the analysis of compositions in conjunction with references to cultural and historical developments.
THEA 190 - Theatre Appreciation

Total Credits = Cr. 3
Lecture = Lec. 3;

This course seeks to improve both the appreciation for and understanding of theatre art that includes the structure, focus and purpose of dramatic literature, its presentation (acting), and directing/managing, as well as physical designing (scenery, lighting, costumes, make-up) and related theatrical elements. This course, where possible, includes attendance at local theatrical presentations.

Natural Sciences 9 Hours

9 hours including a sequence

Students must complete a six-hour sequence in either the biological or physical sciences. The remaining three hours must be in the opposite area (i.e., both biological and physical sciences must be taken).

Biological Sciences Sequence Courses:

BIOL 101 - General Biology I

Total Credits = Cr. 3
Lecture = Lec. 3

Course surveys the building blocks of life, basic principles of genetics, evolution and diversity, basic principles of the form and function of plants, animal anatomy, physiology and behavior and their effects on ecology (for non-science majors.)

Prerequisites: Eligibility for ENGL 101 and MATH 110.

BIOL 102 - General Biology II

Total Credits = Cr. 3
Lecture = Lec. 3

Course covers the structure of the human body, its functions and its interaction with the environment and mankind.

Prerequisites: BIOL 101 with a grade of “C” or higher

BIOL 201 - Principles Of Biology I

Total Credits = Cr. 3
This course covers the concept of scientific methodology, genetics, cell structure and development, evolution and ecology and provides a laboratory component that coincides with the lecture; Designed for students majoring in a science related field.

**Prerequisites:** Eligibility for ENGL 101 and MATH 110 and successful completion of PHSC 120 or a high or college level chemistry.

**BIOL 202 - Principles Of Biology II**

Total Credits = Cr. 3  
Lecture = Lec. 3  

This course covers the concepts of human evolution and effects on ecology, ecological interactions, natural selection, adaptation, speciation and phylogeny.

**Prerequisites:** Grade of “C” or higher in BIOL 201

**BIOL 221 - Human Anatomy And Physiology I**

Total Credits = Cr. 3  
Lecture = Lec. 3  

A descriptive presentation of the structure and function of the organ systems of the human body. The emphasis of the lecture will be on the physiology of organs and tissues. Topics covered will include the human organism, chemical basis of life, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, spinal cord, spinal nerves, brain, cranial nerves, and integration of nervous system functions, autonomic nervous system and special senses. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Eligibility to enroll in ENGL 101 and MATH 110 and successful completion of PHSC 120 or high school or college level chemistry.  
**Corequisites:** Concurrent enrollment in BIOL 223, Human Anatomy & Physiology I Laboratory.

**BIOL 222 - Human Anatomy & Physiology II**

Total Credits = Cr. 3  
Lecture = Lec. 3  

A descriptive presentation of the structure and function of the organ systems of the human body covering the endocrine system, cardiovascular, lymphatic (immune), respiratory, digestive, urinary and reproductive systems, development, growth, aging, nutrition, acid base balance and genetics. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Completion of BIOL 221 and BIOL 223 with a grade of C or better.  
**Corequisites:** Concurrent enrollment in BIOL 224, Human Anatomy & Physiology II Laboratory.
Physical Science Sequence Courses:

**CHEM 101 - General Chemistry**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

An introduction to chemistry, this course presents the basics of inorganic chemistry including the following topics: scientific measurements and calculations, elements and compounds, bonding, stoichiometry, calorimetry, gases, solutions and concentrations, acids and bases. Integrated into this course are problem-solving and quantitative approaches. This course is intended for non-science and pre-allied health majors.

**Prerequisites:** Completion of MATH 110 with a grade of “C” or higher; Grade of “C” or better in College Algebra or and ACT score of 20 in math.  
**Corequisites:** Concurrent enrollment in CHEM 103;

**CHEM 102 - General Chemistry II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

Lecture course includes an introduction to organic and biochemistry chemistry for non-science majors and selected pre-allied health majors. This course presents basic principles of organic chemistry and biochemistry with emphasis on chemistry of carbon, alkanes, alkenes, alkynes, aromatics, alcohols, phenols, thiols, ethers, aldehydes, ketones, carboxylic acids, amines, amides, carbohydrates, lipids, proteins, enzymes, metabolism, and molecular genetics. Integrated into this course are problem solving and quantitative approaches.

**Prerequisites:** Successful completion of CHEM 101 and CHEM 103 with a grade of “C” or higher

**CHEM 110 - Chemistry I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on atomic structure, periodicity, bonds, thermochemistry, molecular geometry, gas laws, solutions, and stoichiometry. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in College Algebra or and ACT score of 20 in math.  
**Corequisites:** None

**CHEM 120 - Chemistry II**
This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on reaction kinetics and equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and the chemistry of metals and nonmetals. This course is intended for science and engineering curricula.

Prerequisites: Grade of “C” or better in CHEM 110.
Corequisites: None

PHSC 100 - Physical Science I

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is a presentation of an integrated approach to essential concepts in physics such as motion, gravity, heat, electricity, magnetism, sound and light and to emphasize the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

Prerequisites: Eligibility to enroll in MATH 99 or higher level math

PHSC 120 - Physical Science II

Total Credits = Cr. 3
Lecture = Lec. 3;

This course introduces the student to the following concepts of basic chemistry: atoms and their structure, atomic models, atomic nucleus and electron configuration, mixture, bonding, acids and bases, and oxidation and reduction.

Prerequisites: Eligibility for MATH 99 or higher level math

PHYS 210 - General Physics I

Total Credits = Cr. 3
Lecture = Lec. 3;

This first semester of a two-semester sequence is an overview of basic concepts and principles of mechanics, heat, and sound. This course is intended for science majors.

Prerequisites: Successful completion of MATH 111, Plane Trigonometry, with a grade of “C” or higher;
Corequisites: Concurrent enrollment in PHYS 211, General Physics I Laboratory

PHYS 220 - General Physics II
This second semester of a two-semester sequence is an overview of basic concepts and principles of optics, electricity, magnetism, and other topics of modern physics. This course is intended for science majors.

**Prerequisites:** Successful completion of PHYS 210 & PHYS 211 with a grade of “C” or higher; **Corequisites:** Concurrent enrollment in PHYS 221, General Physics II Laboratory

**GEOL 101 - Physical Geology**

Total Credits = Cr. 3
Lecture = Lec. 3

An introduction to the scope of geology, the external and internal features of the earth such as landforms, and the agents which are responsible for them including volcanoes, glaciers, earthquakes, wind and running water.

**GEOL 102 - Historical Geology**

Total Credits = Cr. 3
Lecture = Lec. 3

The development, changes and destruction of the land features and sea areas of the earth and the changing panorama of plant and animal life from the earth’s origin to the present day.

**Prerequisites:** Successful completion of GEOL 101, Physical Geology, with a grade of “C” or higher or by special permission.

**SCIE 101 - Introductory Earth Science I**

Total Credits = Cr. 3
Lecture = Lec. 3;

This survey course will present an integrated approach to general earth science with an emphasis on the following: geology with an introduction to oceanography, meteorology, and astronomy. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. Field trips may be arranged, but not required.

**Prerequisites:** None; **Corequisites:** None

**SCIE 102 - Introductory Earth Science II**

Total Credits = Cr. 3
Lecture = Lec. 3;
This survey course will present an integrated approach to general earth science. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. General Earth Science 102 will include the following disciplines: geology, oceanography, meteorology, and astronomy with emphasis on oceanography, meteorology, and astronomy. Field trips may be arranged, but not required

**Prerequisites:** None- Students may enroll in SCIE 102 without having taken SCIE 101;  
**Corequisites:** None

**Individual Biological Sciences Courses:**

**BIOL 210 - General Microbiology**

(formerly BIOL 212)

**Total Credits = Cr. 3**  
**Lecture = Lec 3**

Course presents an integrated approach to essential concepts in Microbiology and provides a foundation for practical, hands-on work and critical thinking that are a part of science and medical based professions(for science majors).

**Prerequisites:** Successful completion of BIOL 221 and BIOL 223 with a grade of “C” or higher.  
**Corequisites:** Concurrent enrollment in BIOL 211, General Microbiology Laboratory

**BIOL 228 - Pathophysiology**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

A detailed study of the mechanisms of disease, alterations in body defenses and the effects on the following body systems: hematological, cardiovascular, respiratory, urinary, gastrointestinal, endocrine, reproductive, nervous, skeletal and integumentary.

**Prerequisites:** Completion of BIOL 221, BIOL 222, BIOL 223 & BIOL 224 with a grade of “C” or higher in each.

**BIOL 230 - Principles Of Zoology**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

This course is designed for students with majors and minors in biological science. The course presents the major concepts of biology as illustrated by animal life and studies selected vertebrates as laboratory animals. An introduction to the anatomy, physiology, classification, and relationships of major animal phyla will be covered. Emphasis will be placed on levels of organization, reproduction, evolution of animal life, diversity and the environment. This course may be used as a general science
elective to satisfy the core content requirements.

**Prerequisites:** Eligibility for MATH 110 and ENGL 101; Successful completion of PHSC 120 or high school or college level chemistry.

### SCIE 114 - Environmental Science & Lab

**Total Credits = Cr 3**  
**Lecture = Lec. 3;**

Study of the interactions of human activity with the environment and the future impact of these actions. Ecological, impact, sustainable management and risk analysis will be integrated throughout the course.

**Prerequisites:** Completion of MATH 110 with a grade of “C” or higher.

### Individual Physical Science Courses:

### PHYS 110 - Foundations Of Astronomy

**Total Credits = Cr. 3**  
**Lecture = Lec. 3;**

This course presents an integrated approach to basic astronomy and astronomical concepts. Basic science skills such as the scientific method are highlighted through astronomy. Astronomic concepts will include the following topics: light and properties of light, lenses, astrophotography, and formation of the universe, galaxies, solar systems, and planets. Practical observational techniques of space objects are performed through use of telescopes. Sunspot activity is monitored via the Internet and through observations of the sun with the appropriate equipment.

**Prerequisites:** Eligibility to enroll in MATH 99 or higher level math.

### Math/Analytical Reasoning 6 Hours

6 hours specific to degree program

### MATH 105 - College Algebra (Expanded)

**Total Credits = Cr. 5**  
**Lecture = Lec. 5;**

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

**Prerequisites:** Placement based on placement survey of ACT score.
MATH 110 - College Algebra

Total Credits = Cr. 3  
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

MATH 111 - Plane Trigonometry

Total Credits = Cr. 3  
Lecture = Lec. 3;

Trigonometric functions and identities, inverse trigonometric functions, graphs, solving triangles and equations, complex numbers and polar coordinates.

Prerequisites: TH 110 with “C” or higher.

MATH 117 - A Survey Of Mathematics

Total Credits = Cr. 3  
Lecture = Lec. 3;

Course covers topics from critical thinking skills, logic, the real number system, geometry and measurement, consumer mathematics, counting principles, probability, and statistics (including the normal curve).

Prerequisites: Grade of “C” or higher in MATH 105 or MATH 110

MATH 120 - Precalculus

Total Credits = Cr. 5  
Lecture = Lec. 5;

Serves as a replacement for MATH 105 or MATH 110 and MATH 111 as a preparation for calculus. Offered to students who demonstrate a high proficiency on the appropriate math placement test. Topics from advanced algebra and trigonometry to include: real number properties, solutions of equations and inequalities, relations, functions, graphs, polynomial and rational functions, exponential and logarithmic functions, complex numbers, systems of equations, theory of equations, circular functions and analytic geometry.

Prerequisites or Corequisites: A grade of “C” or higher in MATH 105 or MATH 110 or a Math Enhanced ACT score of at least 22, or by permission of the department head.
MATH 201 - Business Calculus

Total Credits = Cr. 3
Lecture = Lec. 3;

The course will focus on limits, continuity and differential and integral calculus for algebraic, logarithmic, and exponential functions together with applications in business and economics, such as optimization, marginal analysis and exponential growth models.

Prerequisites: TH 110 with “C” or higher.

MATH 210 - Introduction To Statistics

Total Credits = Cr.3
Lecture = Lec. 3;

This course is designed to introduce students to the fundamentals of descriptive and inferential statistics with a pronounced emphasis on inference. The major topics include methods for analyzing sets of data, probability, probability distributions, estimation, confidence intervals, hypotheses testing, simple linear regression, correlation and non-parametric statistics.

Prerequisites: TH 110 with “C” or higher.

MATH 220 - Calculus I

Total Credits = Cr. 5
Lecture = Lec. 5;

This is the first course of a three course sequence. The concept of a limit is introduced, and it is used to develop the concepts of continuity and the derivative. These are studied numerically, graphically, and analytically for a wide variety of elementary, and transcendental functions. Applications of the derivative relating to curve sketching, related rates, and optimization are developed. Definite and indefinite integrals, the Fundamental Theorem of Calculus, and applications of the integral are also introduced.

Prerequisites or Corequisites: Successful completion of MATH 105/MATH 110 and MATH 111 or MATH 120, or by permission of department head.

MATH 221 - Calculus II

Total Credits = Cr. 5
Lecture = Lec. 5;

This is the second course of a three course sequence. The course continues with additional applications of the integral relating to volume, work, arc length, and surface area. Additional techniques of integration for a wide variety of functions are also developed. Other topics include: parametric equations, polar coordinates, infinite sequences and series, Taylor Polynomials, and vectors.
**Prerequisites:** A grade of “C” or higher in MATH 220.

Social/Behavioral Sciences 6 Hours

6 hours with at least 3 at the 200 level

**ECON 201 - Macroeconomics**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

A study of price and output determination, theories of production, determination of prices in regulated and unregulated industries, functional distribution of income, and international economics.

**ECON 202 - Microeconomics**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

A study of economics, economic concepts and economic institutions. Emphasizes the operation and function of a market economy while analyzing economic problems related to income, employment, the business cycle, money and banking, growth and development.

**Prerequisites:** ECON 201

**GEOG 202 - Cultural Geography**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

Introduction to the concepts, themes and techniques of cultural geography; topical discussion of religion, politics, language, population, agriculture, urbanization, environmental and social problems.

**GEOG 205 - Physical Geography**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

Introduction to the concepts, themes and disciplines of physical geography. Discussion of atmospheric moisture, pressure and temperature, plate tectonics, volcanism, weathering and mass wasting, diastrophism, coastal processes, fluvial processes, global ecosystems and weather systems.
**POLI 110 - American Government**

Total Credits = Cr. 3  
Lecture = Lec. 3;

The principles, institutions, processes and functions of government. Emphasis is on the national government, the development of our constitutional system and the role of the citizen in the democratic process.

**PSYC 201 - Introduction To Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

**PSYC 225 - Child Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Physical, intellectual, social and emotional factors in child growth and development.

**Prerequisites:** PSYC 201.

**PSYC 226 - Developmental Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Physical, psychological, and social aspects of the individual from conception to death. Cultural, social, and hereditary factors that affect the individual’s behavior throughout the life cycle.

**Prerequisites:** PSYC 201 with a “C” or higher.

**PSYC 227 - Adolescent Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

A study of the physical and mental growth of youth during the period of adolescence and the transition from childhood to adulthood.
Prerequisites: PSYC 201 with a “C” or higher.

SOCL 201 - Introduction To Sociology

Total Credits = Cr. 3  
Lecture = Lec. 3;

As an introduction to the discipline of sociology, this course surveys and provides students with an understanding of human society and social life. It introduces students to the major subject areas of sociology, including the major theoretical perspectives and theorists; logic and techniques of research; social organization, institutions, and inequality and social change.

SOCL 202 - Contemporary Social Problems

Total Credits = Cr. 3  
Lecture = Lec. 3;

A description and sociological analysis of major contemporary social problems in American society. The focus is on both the individual and societal levels (on both social action and social structure) and on the reciprocal relationship between them.

Prerequisites: SOCL 201 with “C” or higher.

Degree Programs

Air Conditioning & Refrigeration, A.A.S.

Program Type: Associate of Applied Science (AAS)  
Program Length: 60 credit hours/1575 clock hours  
Residential Air Conditioning and Refrigeration Technician: 45 credit hours/1350 clock hours  
Commercial Air Conditioning and Refrigeration Technician: 45 credit hours/1350 clock hours  
Commercial Refrigeration Technician: 45 credit hours/1350 clock hours

Program Description

The purpose of this program is to provide specialized classroom instruction and practical shop experience to prepare students for employment in a variety of jobs in the field of heating, air conditioning, and refrigeration.

The Air Conditioning and Refrigeration program prepares individuals to install, diagnose, repair, and maintain the operating condition of domestic, residential, and commercial heating air conditioning, and refrigeration systems.

NOTE: Computer proficiency is required for enrollment in this program.
Air Conditioning and Refrigeration Course Listing

TCA - Helper I

- HACR 1150 - HVAC Introduction 3 hrs./ 90 clock hrs.
- HACR 1160 - Principles of Refrigeration I 3 hrs./ 90 clock hrs.
- HACR 1170 - Principles of Refrigeration II 3 hrs./ 90 clock hrs.
- HACR 1180 - Principles of Refrigeration III 3 hrs./ 90 clock hrs.

Total: 12 hrs./ 360 clock hrs.

CTS - Helper II

- HACR 1210 - Electrical Fundamentals 3 hrs./ 90 clock hrs.
- HACR 1220 - Electrical Components 3 hrs./ 90 clock hrs.
- HACR 1230 - Electric Motors 3 hrs./ 90 clock hrs.
- HACR 1240 - Applied Electricity and Troubleshooting 3 hrs./ 90 clock hrs.

Total: 24 hrs./ 720 clock hrs.

CTS - Domestic A/C & Refrigeration Technician

- HACR 1410 - Domestic Refrigeration 2 hrs./ 60 clock hrs.
- HACR 1420 - Room Air Conditioners 2 hrs./ 60 clock hrs.

Total: 28 hrs./ 840 clock hrs.

TD - Residential A/C & Refrigeration Technician

- HACR 2510 - Residential Central Air Conditioning I 3 hrs./ 90 clock hrs.
- HACR 2520 - Residential Central Air Conditioning II 2 hrs./ 75 clock hrs.
- HACR 2530 - Residential System Design 2 hrs./ 60 clock hrs.
- HACR 2540 - Residential Heating I 3 hrs./ 105 clock hrs.
- HACR 2550 - Residential Heating II 3 hrs./ 90 clock hrs.
- HACR 2560 - Residential Heat Pumps 2 hrs./ 60 clock hrs.
JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 45 hrs./ 1350 clock hrs.

Successful completion of TCA Helper I, CTS Helper II, & CTS Domestic A/C Refrig Tech. In addition, successful completion of above seven courses

TD - Commercial Refrigeration Technician

- HACR 2910 - Commercial Refrigeration I 6 hrs./ 210 clock hrs.
- HACR 2920 - Commercial Refrigeration Controls 7 hrs./ 210 clock hrs.
- HACR 2930 - Commercial Refrigeration II 6 hrs./ 180 clock hrs

Total: 45 hrs./ 1350 clock hrs.

Successful Completion of TCA Helper I, CTS Helper II, JOBS 2450, and the above three courses.

AAS – Air Conditioning and Refrigeration Technology

ENGL 1015 - English Composition I

Total Credits = Cr: 3
Lecture = Lec: 3

The study of the basic rhetorical modes of English composition with emphasis on prewriting, writing, and revising techniques utilizing correct English grammar, usage, and punctuation. Prerequisites: English score of at least 20 on the Enhanced ACT, successful completion of Developmental English, or permission of the campus CAO.

MATH 1015 - College Algebra
Linear and quadratic equations and inequalities, radical and rational equations, complex numbers, graphing, functions, exponential and logarithmic functions, polynomial equations, systems of linear equations and inequalities.

**Prerequisites:** Math score of at least 21 on the Enhanced ACT, successful completion of Developmental Math, or permission of the campus CAO

**PSYC 2015 - Introduction To Psychology**

Total Credits = Cr: 3  
Lecture = Lec: 3;

An overview of psychology designed to expose students to the major theories, research practices, and applied areas of psychology.

**SPCH 1015 - Introduction To Public Speaking**

Total Credits = Cr: 3  
Lecture = Lec: 3;

Designed to teach students basic public presentation principles and skills. Students complete one speech each of personal introduction, information, persuasion, demonstration, and special occasion (influential person).

**PHSC 1015 - Physical Science I**

Total Credits = Cr: 3  
Lecture = Lec: 3;

Introductory study of topics in physical science including motion, energy, temperature, light and sound, electricity, and atomic structure.

Total: 60 hrs./ 1575 clock hrs.

**May Be Substituted:**

With Approval from the Chief Academic Officer/designee, the following courses may be substituted for the above course requirements

- SPPR 2991 - Special Projects I 1 hr./ 30 clock hrs.
• SPPR 2993 - Special Projects II 2 hrs. / 60 clock hrs.
• SPPR 2995 - Special Projects III 3 hrs. / 90 clock hrs.
• SPPR 2996 - Special Projects IV 3 hrs. / 45 clock hrs.
• SPPR 2997 - Practicum 3 hrs. / 135 clock hrs.
• SPPR 2999 - Cooperative Education 3 hrs. / 135 clock hrs.

Optional Electives:

**CPR 1000 - Introduction To Computers**

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introductory study of computer system components, operating system environments. Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

Prerequisites: None

**CSRV 1000 - Customer Service**

Total Credits = Cr: 3  
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

Prerequisites: Consent of Instructor

**CSRV 2000 - Customer Service**

NEEDS COURSE DESCRIPTION

**ENTP 1000 - Entrepreneurship**

NEEDS COURSE DESCRIPTION

• SOLR 1000 - Solar Fundamentals 3 hrs. / 45 clock hrs.
• SOLR 1010 - PV Solar Applications 3 hrs. / 75 clock hrs.
• SOLR 1020 - Industrial Solar Applications 3 hrs. / 75 clock hrs.
• SOLR 1030 - Solar Thermal Applications 3 hrs. / 75 clock hrs.
Additional TCA Exit Point:

- SOLR 1000 - Solar Fundamentals 3 hrs./ 45 clock hrs.
- SOLR 1010 - PV Solar Applications 3 hrs./ 75 clock hrs.
- SOLR 1020 - Industrial Solar Applications 3 hrs./ 75 clock hrs.
- SOLR 1030 - Solar Thermal Applications 3 hrs./ 75 clock hrs.
- TCA—Solar Systems Installer

Arts Track Transfer Degree, A.A.L.T.

All courses applied to the degree must be passed with a C or better. Developmental courses may not be applied to the degree.

Requirements for the AALT track in social sciences are listed below. When more than one option for fulfilling a requirement is given, even if some of these options are listed as “recommended” or “electives,” students should select courses that are required for the major they intend to pursue at a university. Students transferring to a University of Louisiana System (ULS) institution should follow the appropriate ULS track.

English Composition & Literature (Humanity) 9 Hours

Complete both:

**ENGL 101 - English Composition I**

Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

**Prerequisites:** ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

**ENGL 102 - English Composition**

Total Credits = Cr. 3
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

**Prerequisites:** ENGL 101 with a grade of “C” or higher.
Choose one literature:

**ENGL 201 - English Literature**

*Total Credits = Cr. 3*  
*Lecture = Lec. 3*

This course is a survey of important works of English literature from the Anglo-Saxon period to the Restoration and Eighteenth Century. Writers studied in the course will include Chaucer, Marlowe, Shakespeare, Donne, Milton, Swift and others.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 202 - English Literature**

*Total Credits = Cr. 3*  
*Lecture = Lec. 3*

This course is a survey of important works of English literature from the Romantic Period through the Twentieth Century. Writers studied in the course will include Blake, Shelley, Wordsworth, Keats, Byron, Coleridge, Browning, Tennyson, Conrad, Yeats, Joyce, Lawrence, Eliot, Auden and others.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 203 - American Literature I**

*Total Credits = Cr. 3*  
*Lecture = Lec. 3*

This course will be a survey of significant works in American Literature from its beginnings to 1860. Included in the course are Native American myths, works by early explorers and settlers, the literature of reason and revolution, and the Romantic and Transcendental movements.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 204 - American Literature II**

*Total Credits = Cr. 3*  
*Lecture = Lec. 3*

A survey of American Literature from 1860 to the present. Major writers include Whitman, Dickinson, Twain, Frost, Eliot, Hemingway, Faulkner and Steinbeck, as well as the rising voices of ethnic and women’s literature in the 20th century.
Prerequisites: ENGL 102 with a grade of “C” or higher.

**ENGL 205 - World Literature**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

A survey of the major works of World Literature from the Classical Period to the Renaissance, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

Prerequisites: ENGL 102 with a grade of “C” or higher.

**ENGL 206 - World Literature**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

A survey of the major works of World Literature from the Renaissance to the present, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

Prerequisites: ENGL 102 with a grade of “C” or higher.

**ENGL 207 - Literature Of The Old Testament**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course is a survey of literature found in the Old Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

Prerequisites: ENGL 102 with “C” or higher.

**ENGL 208 - Literature Of The New Testament**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course is a survey of literature found in the New Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

Prerequisites: ENGL 102 with “C” or higher.
ENGL 211 - Survey Of Short Stories & Novels

Total Credits = Cr. 3  
Lecture = Lec. 3

Skills for reading and writing about fiction; attention to generic conventions and critical perspectives; section emphasis may vary; consult departmental handout.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 215 - Introduction To Drama & Poetry

Total Credits = Cr. 3  
Lecture = Lec. 3

The course is designed to develop in students an ability to understand, analyze and evaluate drama and poetry. The first half of the course focuses on drama and introduces the student to plays from the Greek classics through the twentieth century. The second half of the course emphasizes poetry that reflects different forms, subjects, themes and points of view. Since reading is a major focus of this course, students will practice a variety of interrelated reading and interpretative skills. Students’ writing should move beyond paraphrasing into analysis, interpretation and argumentation.

Prerequisites: ENGL 102 with a grade of “C” or higher.

Fine Arts 3 Hours

ARTS 110 - Crafts

Total Credits = Cr. 3  
Lecture = Lec. 1 / Laboratory = Lab 5

The Crafts course is a non-transferable course. It is intended to benefit the community by offering the public a variety of skills based subjects; such as Batik, jewelry making, and stained glass. The proposed students will be art teachers looking for professional development, retired seniors, high school students, and anyone interested in learning a specific craft. A different craft will be taught each semester. The course may be taken cumulative times.

ARTS 201 - Survey Of Art History I

Total Credits = Cr. 3  
Lecture = Lec. 3
This survey course is an introduction to the history of visual art through the study of selected masterworks from the prehistoric period through the Gothic.

**ARTS 202 - Survey Of Art History II**

**Total Credits = Cr. 3**
Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the Renaissance to Modern time.

**MUSC 101 - Music Appreciation**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

This course is designed to foster an understanding of music through the study of selected examples of musical works. Emphasis is placed upon the analysis of compositions in conjunction with references to cultural and historical developments.

**THEA 190 - Theatre Appreciation**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

This course seeks to improve both the appreciation for and understanding of theatre art that includes the structure, focus and purpose of dramatic literature, its presentation (acting), and directing/managing, as well as physical designing (scenery, lighting, costumes, make-up) and related theatrical elements. This course, where possible, includes attendance at local theatrical presentations.

**Social/Behavioral Sciences 6 Hours**

6 hours (3 at 200 level)

**ECON 201 - Macroeconomics**

**Total Credits = Cr. 3**
Lecture = Lec. 3

A study of price and output determination, theories of production, determination of prices in regulated and unregulated industries, functional distribution of income, and international economics.

**ECON 202 - Microeconomics**
A study of economics, economic concepts and economic institutions. Emphasizes the operation and function of a market economy while analyzing economic problems related to income, employment, the business cycle, money and banking, growth and development.

Prerequisites: ECON 201

**GEOG 202 - Cultural Geography**

Introduction to the concepts, themes and techniques of cultural geography; topical discussion of religion, politics, language, population, agriculture, urbanization, environmental and social problems.

**GEOG 205 - Physical Geography**

Introduction to the concepts, themes and disciplines of physical geography. Discussion of atmospheric moisture, pressure and temperature, plate tectonics, volcanism, weathering and mass wasting, diastrophism, coastal processes, fluvial processes, global ecosystems and weather systems.

**POLI 110 - American Government**

The principles, institutions, processes and functions of government. Emphasis is on the national government, the development of our constitutional system and the role of the citizen in the democratic process.

**PSYC 201 - Introduction To Psychology**

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.
**PSYC 225 - Child Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Physical, intellectual, social and emotional factors in child growth and development.

Prerequisites: PSYC 201.

**PSYC 226 - Developmental Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Physical, psychological, and social aspects of the individual from conception to death. Cultural, social, and hereditary factors that affect the individual’s behavior throughout the life cycle.

Prerequisites: PSYC 201 with a “C” or higher.

**PSYC 227 - Adolescent Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

A study of the physical and mental growth of youth during the period of adolescence and the transition from childhood to adulthood.

Prerequisites: PSYC 201 with a “C” or higher.

**SOCL 201 - Introduction To Sociology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

As an introduction to the discipline of sociology, this course surveys and provides students with an understanding of human society and social life. It introduces students to the major subject areas of sociology, including the major theoretical perspectives and theorists; logic and techniques of research; social organization, institutions, and inequality and social change.

**SOCL 202 - Contemporary Social Problems**

Total Credits = Cr. 3  
Lecture = Lec. 3;
A description and sociological analysis of major contemporary social problems in American society. The focus is on both the individual and societal levels (on both social action and social structure) and on the reciprocal relationship between them.

Prerequisites: SOCL 201 with “C” or higher.

Math/A.R. 6 Hours

MATH 110 - College Algebra

Total Credits = Cr. 3
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.
  • GenEd Math/A.R. Elective 1 3 hrs.

Natural Sciences 9 Hours

Students must complete a six-hour sequence in either the biological or physical sciences. The remaining three hours must be in the opposite area (i.e., both biological and physical sciences must be taken).

Biological Sci. Sequences:

BIOL 101 - General Biology I

Total Credits = Cr. 3
Lecture = Lec. 3

Course surveys the building blocks of life, basic principles of genetics, evolution and diversity, basic principles of the form and function of plants, animal anatomy, physiology and behavior and their effects on ecology (for non-science majors.)

Prerequisites: Eligibility for ENGL 101 and MATH 110.

BIOL 102 - General Biology II

Total Credits = Cr. 3
Lecture = Lec. 3
Course covers the structure of the human body, its functions and its interaction with the environment and mankind.

**Prerequisites:** BIOL 101 with a grade of “C” or higher

**BIOL 201 - Principles Of Biology I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course covers the concept of scientific methodology, genetics, cell structure and development, evolution and ecology and provides a laboratory component that coincides with the lecture; Designed for students majoring in a science related field.

**Prerequisites:** Eligibility for ENGL 101 and MATH 110 and successful completion of PHSC 120 or a high or college level chemistry.

**BIOL 202 - Principles Of Biology II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course covers the concepts of human evolution and effects on ecology, ecological interactions, natural selection, adaptation, speciation and phylogeny.

**Prerequisites:** Grade of “C” or higher in BIOL 201

**BIOL 221 - Human Anatomy And Physiology I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body. The emphasis of the lecture will be on the physiology of organs and tissues. Topics covered will include the human organism, chemical basis of life, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, spinal cord, spinal nerves, brain, cranial nerves, and integration of nervous system functions, autonomic nervous system and special senses. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Eligibility to enroll in ENGL 101 and MATH 110 and successful completion of PHSC 120 or high school or college level chemistry.  
**Corequisites:** Concurrent enrollment in BIOL 223, Human Anatomy & Physiology I Laboratory.

**BIOL 222 - Human Anatomy & Physiology II**

**Total Credits = Cr. 3**
A descriptive presentation of the structure and function of the organ systems of the human body covering the endocrine system, cardiovascular, lymphatic (immune), respiratory, digestive, urinary and reproductive systems, development, growth, aging, nutrition, acid base balance and genetics. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Completion of BIOL 221 and BIOL 223 with a grade of C or better.
**Corequisites:** Concurrent enrollment in BIOL 224, Human Anatomy & Physiology II Laboratory.

**Physical Sci. Sequences:**

**CHEM 101 - General Chemistry**

**Total Credits = Cr. 3**
Lecture = Lec. 3

An introduction to chemistry, this course presents the basics of inorganic chemistry including the following topics: scientific measurements and calculations, elements and compounds, bonding, stoichiometry, calorimetry, gases, solutions and concentrations, acids and bases. Integrated into this course are problem-solving and quantitative approaches. This course is intended for non-science and pre-allied health majors.

**Prerequisites:** Completion of MATH 110 with a grade of “C” or higher; Grade of “C” or better in College Algebra or and ACT score of 20 in math.
**Corequisites:** Concurrent enrollment in CHEM 103;

**CHEM 102 - General Chemistry II**

**Total Credits = Cr. 3**
Lecture = Lec. 3

Lecture course includes an introduction to organic and biochemistry chemistry for non-science majors and selected pre-allied health majors. This course presents basic principles of organic chemistry and biochemistry with emphasis on chemistry of carbon, alkanes, alkenes, alkynes, aromatics, alcohols, phenols, thiols, ethers, aldehydes, ketones, carboxylic acids, amines, amides, carbohydrates, lipids, proteins, enzymes, metabolism, and molecular genetics. Integrated into this course are problem solving and quantitative approaches.

**Prerequisites:** Successful completion of CHEM 101 and CHEM 103 with a grade of “C” or higher

**CHEM 110 - Chemistry I**

**Total Credits = Cr. 3**
Lecture = Lec. 3
This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on atomic structure, periodicity, bonds, thermochemistry, molecular geometry, gas laws, solutions, and stoichiometry. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in College Algebra or and ACT score of 20 in math.

**Corequisites:** None

**CHEM 120 - Chemistry II**

**Total Credits = Cr. 3**
Lecture = Lec. 3

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on reaction kinetics and equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and the chemistry of metals and nonmetals. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in CHEM 110.

**Corequisites:** None

**GEOL 101 - Physical Geology**

**Total Credits = Cr. 3**
Lecture = Lec. 3

An introduction to the scope of geology, the external and internal features of the earth such as landforms, and the agents which are responsible for them including volcanoes, glaciers, earthquakes, wind and running water.

**GEOL 102 - Historical Geology**

**Total Credits = Cr. 3**
Lecture = Lec. 3

The development, changes and destruction of the land features and sea areas of the earth and the changing panorama of plant and animal life from the earth’s origin to the present day.

**Prerequisites:** Successful completion of GEOL 101, Physical Geology, with a grade of “C” or higher or by special permission.

**PHSC 100 - Physical Science I**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

This course is a presentation of an integrated approach to essential concepts in physics such as motion, gravity, heat, electricity, magnetism, sound and light and to emphasize the personal application of science, the process skills, problem solving, and
discovery/inquiry learning.

**Prerequisites:** Eligibility to enroll in MATH 99 or higher level math

**PHSC 120 - Physical Science II**

**Total Credits = Cr.3**  
Lecture = Lec.3;

This course introduces the student to the following concepts of basic chemistry: atoms and their structure, atomic models, atomic nucleus and electron configuration, mixture, bonding, acids and bases, and oxidation and reduction.

**Prerequisites:** Eligibility for MATH 99 or higher level math

**PHYS 210 - General Physics I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

This first semester of a two-semester sequence is an overview of basic concepts and principles of mechanics, heat, and sound. This course is intended for science majors.

**Prerequisites:** Successful completion of MATH 111, Plane Trigonometry, with a grade of “C” or higher;  
**Corequisites:** Concurrent enrollment in PHYS 211, General Physics I Laboratory

**PHYS 220 - General Physics II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

This second semester of a two-semester sequence is an overview of basic concepts and principles of optics, electricity, magnetism, and other topics of modern physics. This course is intended for science majors.

**Prerequisites:** Successful completion of PHYS 210 & PHYS 211 with a grade of “C” or higher;  
**Corequisites:** Concurrent enrollment in PHYS 221, General Physics II Laboratory

**SCIE 101 - Introductory Earth Science I**

**Total Credits = Cr.3**  
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science with an emphasis on the following: geology with an introduction to oceanography, meteorology, and astronomy. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. Field trips may be arranged, but not required.
SCIE 102 - Introductory Earth Science II

Total Credits = Cr.3
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. General Earth Science 102 will include the following disciplines: geology, oceanography, meteorology, and astronomy with emphasis on oceanography, meteorology, and astronomy. Field trips may be arranged, but not required

Prerequisites: None- Students may enroll in SCIE 102 without having taken SCIE 101;
Corequisites: None

Individual Biological Sciences Courses

BIOL 210 - General Microbiology

(formerly BIOL 212)

Total Credits = Cr. 3
Lecture = Lec 3

Course presents an integrated approach to essential concepts in Microbiology and provides a foundation for practical, hands-on work and critical thinking that are a part of science and medical based professions(for science majors).

Prerequisites: Successful completion of BIOL 221 and BIOL 223 with a grade of “C” or higher.
Corequisites: Concurrent enrollment in BIOL 211, General Microbiology Laboratory

BIOL 228 - Pathophysiology

Total Credits = Cr. 3
Lecture = Lec. 3

A detailed study of the mechanisms of disease, alterations in body defenses and the effects on the following body systems: hematological, cardiovascular, respiratory, urinary, gastrointestinal, endocrine, reproductive, nervous, skeletal and integumentary.

Prerequisites: Completion of BIOL 221, BIOL 222, BIOL 223 & BIOL 224 with a grade of “C” or higher in each.
BIOL 230 - Principles Of Zoology

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is designed for students with majors and minors in biological science. The course presents the major concepts of biology as illustrated by animal life and studies selected vertebrates as laboratory animals. An introduction to the anatomy, physiology, classification, and relationships of major animal phyla will be covered. Emphasis will be placed on levels of organization, reproduction, evolution of animal life, diversity and the environment. This course may be used as a general science elective to satisfy the core content requirements.

Prerequisites: Eligibility for MATH 110 and ENGL 101; Successful completion of PHSC 120 or high school or college level chemistry.

SCIE 114 - Environmental Science & Lab

Total Credits = Cr 3  
Lecture = Lec. 3;

Study of the interactions of human activity with the environment and the future impact of these actions. Ecological, impact, sustainable management and risk analysis will be integrated throughout the course.

Prerequisites: Completion of MATH 110 with a grade of “C” or higher.

PHYS 110 - Foundations Of Astronomy

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course presents an integrated approach to basic astronomy and astronomical concepts. Basic science skills such as the scientific method are highlighted through astronomy. Astronomic concepts will include the following topics: light and properties of light, lenses, astrophotography, and formation of the universe, galaxies, solar systems, and planets. Practical observational techniques of space objects are performed through use of telescopes. Sunspot activity is monitored via the Internet and through observations of the sun with the appropriate equipment.

Prerequisites: Eligibility to enroll in MATH 99 or higher level math.

Humanities 6 Hours

Recommended:

Sequence in history or foreign language
HIST 101 - Western Civilization To 1650 A.D.

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of civilization of the world to 1650. Major emphasis on western civilization.

HIST 102 - Western Civilization Since 1650 A.D.

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of civilization of the world from 1650 to the present. Major emphasis on western civilization.

HIST 201 - History Of The United States 1492-1877

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of United States history from discovery through Reconstruction.

HIST 202 - History Of The Us 1877-present

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of United States history from Reconstruction to the present.

FREN 101 - Elementary French I

Total Credits = Cr. 3
Lecture = Lec. 3

A beginning course designed for students with no previous knowledge of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

FREN 102 - Elementary French II

Total Credits = Cr. 3
Lecture = Lec. 3
A continuation of FREN 101. designed for students who have completed one semester of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

**Prerequisites:** FREN 101

**FREN 201 - Intermediate French**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** FREN 101, FREN 102

**FREN 202 - Intermediate French**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** FREN 101, FREN 102, FREN 201

**SPAN 101 - Elementary Spanish I**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

An introduction to Spanish language and culture. The course explores the basic grammatical structures of the Spanish language. Throughout the semester, students will develop writing, reading and speaking skills. Emphasis will be placed on communicative skills.

**SPAN 102 - Elementary Spanish II**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

A continuation of SPAN 101. The course will extend students’ elementary knowledge of the basic grammatical structures of the Spanish language. Throughout the semester, students will continue to develop reading, writing and speaking skills. Emphasis will be placed on communication skills.
Prerequisites: SPAN 101 with “C” or higher

SPAN 201 - Intermediate Spanish I

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is designed to build upon and extend students’ elementary knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: SPAN 102 with “C” or higher

SPAN 202 - Intermediate Spanish II

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is designed to build upon and extend students’ intermediate knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: SPAN 201 with “C” or higher

Other options:

Choose other humanities from above list, literature list or from:

PHIL 201 - Introduction To Philosophy

Total Credits = Cr. 3
Lecture = Lec. 3;

An introduction to philosophical ideas, problems and methods through a study of important philosophers and the major systems of philosophy. Topics to be covered may include appearance and reality, human nature, nature of knowledge, relation of mind with body, the right and the good, the existence of God, and freedom and determinism.

SPCM 110 - Fundamentals Of Speech

Total Credits = Cr. 3
Lecture = Lec. 3;

This course develops an awareness of the history and traditions of speech communication worthy of academic study. The course
is a summary of this academic and professional field and is comprised of the component parts of organizational and business communication, mass communication, small group and interpersonal communication, as well as public speaking.

**SPCM 120 - Intro To Public Speaking**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

**SPCM 130 - Interpersonal Communication**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

This speech and personal communication course is designed for students who are interested in improving their personal knowledge and practice of the principles that govern their interpersonal (usually one-to-one) and intrapersonal (within oneself) communication behavior on a daily basis. This course applies to personal, social and professional context interactions and relationships that often govern their success personally, professionally and in everyday social activities.

**Arts Related Electives 12 Hours**

Choose from areas listed below, including one course from at least three of the areas below.

- Arts History (e.g., Art, Architecture, Design, Music, Theatre)
- Arts Appreciation (e.g. Art, Drama, Music)
- Arts Theory (e.g., Color, Composition, Design)
- Basic Skills (e.g., Drawing, Keyboard, Painting, Performance)

**Arts, Social Science, Humanities, Lab, & Related Electives 9 Hours**

Choose from departments listed below.

**Arts:**

Choose from the Arts related electives previously listed.

**Social Sciences:**

- Economics - ECON
- Geography - GEOG
- Political Science - POLI
• Psychology - PSYC
• Sociology - SOCL

Foreign Language Series:

• French - FREN
• Spanish - SPAN

Humanities:

• English - ENGL
• History - HIST
• Philosophy - PHIL
• Speech - SPCH

Other:

Other related electives approved by advisor ²

Not more than one 1-hour science lab that corresponds with a natural science lecture used toward the fulfillment of the natural science requirement ³

Note(s):

Completion of the Associate of Arts/Science Louisiana Transfer (AALT, ASLT) degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an AALT/ASLT degree.

Additional Information:

Footnotes

¹ Students may take any course (assuming they have completed the appropriate prerequisites) from the list that follows to fulfill the general education math elective requirement: MATH 111, MATH 117, MATH 120, MATH 201, MATH 210, MATH 220, MATH 221

² This category, “other related electives approved by advisor,” is included to enable students to take courses that are not listed among the associate degree requirements but are required for the intended university major. Students should not take courses with the expectation that they will count as “other related electives” unless the courses have been approved by an advisor.

³ While no lab is required, students may opt to take a single one-credit hour lab that corresponds with one of the three lectures used toward the fulfillment of the natural sciences requirement.
Completing an Associate of Arts/Science Louisiana Transfer Degree (AALT/ASLT) at LDCC

- A student’s placement in English and math courses will be determined by ACT, SAT, and/or COMPASS scores. As a result of these scores, some students may be required to take developmental classes in preparation for the English and math classes required for the transfer degree. Note: When appropriate, previous college work will be used to determined placement in these subject areas.
- A course may be applied only once for degree credit.
- Transfer coursework is unofficial until all official transcripts are evaluated and posted.
- To graduate with the AALT or ASLT, students must have LDCC and adjusted cumulative grade-point averages of 2.00.
- Students should refer to the LDCC General Catalog for a detailed explanation of graduation requirements.

Transferring to a University with an AALT or ASLT Degree

Advising and planning are key to a student’s success in maximizing the transfer experience. All students who might eventually transfer from one institution to another should develop, with an advisor’s assistance, a written degree plan of courses to take for the transfer associate degree. Whenever possible, students should use the transfer degree requirements to satisfy the admission requirements of the university to which they wish to transfer; the university’s senior college, departmental, and/or program admission requirements; and course requirements for the baccalaureate degree. Additionally, a student with coursework from multiple institutions may need to contact the Campus Transfer Ombudsman* at the transfer university for information regarding the applicability of non-LDCC coursework toward the intended major at the university.

Completion of the AALT or ASLT does not guarantee that a student will have the grade-point average necessary for admission to the university, senior college, department, program, etc, to which a student wishes to transfer. It is therefore essential that students find out these requirements* as early as possible.

*To identify the Campus Transfer Ombudsman (or designated contact person) or GPA requirements for the university to which you wish to transfer, visit the statewide articulation web site. Links to each participating institution’s articulation web site can be found here with other helpful academic resources.

Note(s):

Completion of the Associate of Arts/Science Louisiana Transfer (AALT, ASLT) degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an AALT/ASLT degree.

Associate of General Studies, A.G.S.

The Associate of General Studies is designed to allow students greater flexibility to develop a degree program tailored to their individual needs, whether students intend to earn a degree and begin work or continue at a fouryear institution to pursue a bachelor’s degree. The degree provides a strong academic skill foundation through eight courses in general education, and offers students an opportunity to explore other careers or areas of study through a major (six courses) and minor (three courses) concentration. To be awarded this degree, students must have a cumulative GPA of 2.00 or better in all credits toward the degree, minimum of 18 credit hours in major thematic concentration with a 2.00 in each course, a minimum of 9 credit hours in minor concentration with a 2.00 GPA, and complete the following course work:

Program of Study
• Major Concentration Area 18 hrs.
• Minor Concentration Area 9 hrs.

Total: 27 hours

General Education Requirements (GER)

• English Composition 6 hrs.
• Mathematics 3 hrs.
• Natural Science 6 hrs.
• Fine Arts 3 hrs.
• Humanities 3 hrs.
• Social/Behavioral Science 6 hrs.

Total: 27 hours

Required Related Courses

• Speech Communication 3 hrs.
• Introduction to Computers 3 hrs.
• Academic Seminar 1 hr.

Total: 7 hours

Total Hours: 61 Credit Hours

Concentration Areas

Group 1 (Art & Humanities)

• Art
• English
• Foreign Language
• History
• Humanities
• Mass Communication
• Music
• Speech
• Theater

Group II (Natural Sciences)

• Biology
• Chemistry
• Earth Science
• Geology
• Physical Science
• Physics

Group III (Behavioral/Social Sciences)

• Anthropology
• Criminal Justice
• Economics
• Education
• Geography
• Government/Public Administration
• Kinesiology
• Psychology
• Social Work
• Sociology

Group IV (Business)

• Accounting
• Business
• Computer Information System
• Finance
• Management
• Marketing

Group V (Applied Sciences)

• Agriculture
• Agronomy
• Animal Science
• Computer Science
• Engineering
• Family & Consumer Science
• Health Science/Nursing
• Mathematics
• Process Technology

Associate of General Studies

First Semester

ACSE 100 - Academic Seminar

Total Credits = Cr. 1  
Lecture = Lec. 1

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average. Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.

ENGL 101 - English Composition I

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

MATH 110 - College Algebra

Total Credits = Cr. 3  
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.
  • Natural Science (GER) 3 hrs.
  • Social/Behavioral (GER) 3 hrs.
  • Concentration Area 3 hrs.

Total: 16 hours
Second Semester

ENGL 102 - English Composition

Total Credits = Cr. 3
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

Prerequisites: ENGL 101 with a grade of “C” or higher.
- Natural Science (GER) 3 hrs.
- Social/ Behavioral Science (GER) 3 hrs.
- Concentration Area 3 hrs.
- Concentration Area 3 hrs.

Total: 15 hours

Third Semester

- Concentration Area 3 hrs.

SPCM 110 - Fundamentals Of Speech

Total Credits = Cr. 3
Lecture = Lec. 3;

This course develops an awareness of the history and traditions of speech communication worthy of academic study. The course is a summary of this academic and professional field and is comprised of the component parts of organizational and business communication, mass communication, small group and interpersonal communication, as well as public speaking.

SPCM 120 - Intro To Public Speaking

Total Credits = Cr. 3
Lecture = Lec. 3;

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an
informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

CINS 101 - Introduction To Computers

Total Credits = Cr. 3  
Lecture = Lec. 3

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.

• Concentration Area 3 hrs.

Fine Arts (3 hours)

ARTS 120 - Art Appreciation

(Formerly ARTS 101)

Total Credits = Cr. 3  
Lecture = Lec. 3

Lecture and discussion of the visual arts with emphasis on how and why works have been created in present and earlier times. All major forms of drawing, painting, printmaking, sculpture, design and architecture are explored in basic terms.

MUSC 101 - Music Appreciation

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is designed to foster an understanding of music through the study of selected examples of musical works. Emphasis is placed upon the analysis of compositions in conjunction with references to cultural and historical developments.

THEA 190 - Theatre Appreciation

Total Credits = Cr. 3  
Lecture = Lec. 3

This course seeks to improve both the appreciation for and understanding of theatre art that includes the structure, focus and purpose of dramatic literature, its presentation (acting), and directing/managing, as well as physical designing (scenery, lighting,
costumes, make-up) and related theatrical elements. This course, where possible, includes attendance at local theatrical presentations.

Total: 15 hours

Fourth Semester

- Concentration Area 12 hrs.
- Humanities Course (GER) 3 hrs.

Total: 15 hours

Total Hours: 61 Credit hours

Note(s):

* Students placing in any 095 developmental courses OR two or more developmental courses are required to take Academic Skills Seminar- ACSE 101, 3 credit hours.

Automotive Technology, T.D.

Program Type: Technical Diploma (TD)
Program Length: 60 Credit Hours/1740 Clock Hours

Program Description

The purpose of this program is to provide specialized classroom instruction and practical shop experience to prepare individuals to engage in the servicing and maintenance of all types of automobiles at the entry level. The program prepares the individual to select, safely use, and maintain hand and power tools, jacks, and hoisting equipment. Instruction in the diagnosis of malfunctions and the repair of engines; fuel, electrical, cooling, and brake systems; drive train; and suspension systems is included. The competencies in the automotive technology program are directly correlated with the knowledge required to prepare an individual for the certification test given by the National Institute for Automotive Service Excellence (ASE). The content is organized into competency-based courses of instruction that specify occupational competencies the individual must successfully complete according to the priorities for tasks established by the National Automotive Technicians Education Foundation (NATEF).

Automotive Technology Course Listing

TCA - Engine Repair Technician
ORNT 1000 - Freshman Seminar

Total Credits = Cr. 1
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

AUTO 1100 - General Engine Diagnosis And Repair

Total Credits = CR:2
/ Laboratory = LAB: 2

This course teaches the techniques used in diagnosing automotive engines and determining the necessary repair procedures. It also covers removal and installation of automotive engines.

AUTO 1110 - Cylinder Head & Valve Train Diagnosis And Repair

Total Credits = CR: 1
/ Laboratory = LAB: 1

This course teaches the procedures and repair methods for diagnosing and reconditioning cylinder heads.

AUTO 1120 - Engine Block Assembly Diagnosis And Repair

Total Credits = CR:1
/ Laboratory = LAB: 1

This course teaches the procedures and repair methods for diagnosing and reconditioning engine blocks.

AUTO 1130 - Lubrication And Cooling System Diagnosis And Repair

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods for the diagnosis and repair of automotive engine lubrication and cooling system.
Total: 6 hrs./ 165 clock hrs.

TCA - Automatic Transmission & Transaxle Technician

AUTO 1200 - General Transmission And Transaxle Diagnosis

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the techniques and procedures used in the diagnosis of Automatic transmissions and transaxles.

AUTO 1210 - Transmission And Transaxle Maintenance

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures for the servicing of automatic transmissions and transaxles. It also teaches linkage adjustments.

AUTO 1220 - In Vehicle Repair

Total Credits = Cr: 1
/ Laboratory = Lec: 1

This course teaches the repair and adjustment procedures that can be performed with the transmission or transaxle installed in the vehicle.

AUTO 1230 - Off-vehicle Transmission And Transaxle Repair I

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures for removal, disassembly, reassembly, and reinstallation of automatic transmissions and transaxles. It also covers the procedures for the repair of torque converters and oil pump assemblies.

AUTO 1240 - Off-vehicle Transmission And Transaxle Repair II
This course teaches the procedures for the inspection and measurement of gear trains, shafts, bushings and cases.

Total: 5 hrs./ 150 clock hrs.

TCA - Manual Drive Train Technician

**AUTO 1300 - Drive Train And Clutch Diagnosis And Repair**

This course teaches the procedures and methods of diagnosis for manual drive trains and clutches. It also covers removal, installation, and adjustments of clutches.

**AUTO 1310 - Transmission And Transaxle Diagnosis And Repair**

This course teaches the procedures and methods for removal, installation, and reconditioning of manual transaxle and transmission units.

**AUTO 1320 - Drive And Half Shaft And Universal Joint Repair**

This course teaches the procedures and methods for diagnosis and repair of drive, half, and universal joints.

**AUTO 1330 - Drive Axle Diagnosis And Repair**

This course teaches the procedures and methods for diagnosis and repair of drive trains, shafts, bushings and cases.
This course teaches the procedures and methods for diagnosis and repairs of standard differentials, limited slip differentials and drive axle shafts.

**AUTO 1340 - Four And All Wheel Drive Diagnosis And Repair**

Total Credits = Cr: 1  
/ Laboratory = Lab: 1;

This course teaches the procedures and methods for diagnosis and repair of four and all wheel drive vehicles.

Total: 5 hrs./ 150 clock hrs.

**TCA - Steering & Suspension Technician**

**AUTO 1400 - General Steering And Suspension Diagnosis**

Total Credits = Cr: 1  
/ Laboratory = Lab: 1

This course teaches the procedures and methods used in diagnosing steering and suspension systems.

**AUTO 1410 - Steering System Diagnosis And Repair**

Total Credits = Cr: 1  
/ Laboratory = Lab: 1

This course teaches the different types of steering systems and the procedures and methods to diagnose and repair steering systems. It also includes instruction on supplemental restraint systems (Air Bags).

**AUTO 1420 - Suspension Systems Diagnosis And Repair**

Total Credits = Cr: 1  
/ Laboratory = Lab: 1

This course teaches the different types of suspension systems and the procedures and methods used for diagnose and repair.

**AUTO 1430 - Wheel Alignment Diagnosis And Repair**
This course teaches the principles of geometry necessary to understand the procedures and methods for diagnosis and alignment of steering systems.

**AUTO 1440 - Wheel And Tire Diagnosis And Repair**

This course teaches the procedures and methods in the servicing automotive tire and wheel assemblies including rotating, balancing, and repair.

Total: 5 hrs./ 150 clock hrs.

**TCA - Brake Technician**

**AUTO 1500 - Hydraulic Systems Diagnosis And Repair**

This course teaches the principles of physics as related to fluid pressures and hydraulics. It also teaches the procedures and methods of diagnosis of the automotive hydraulic system.

**AUTO 1510 - Drum Brake Diagnosis And Repair**

This course teaches the procedures and methods necessary to diagnose and repair drum brake systems.

**AUTO 1520 - Disk Brake Diagnosis And Repair**

This course teaches the procedures and methods necessary to diagnose and repair disk brake systems.
This course teaches the procedures and methods necessary to diagnose and repair disc brake systems.

**AUTO 1530 - Power Assist Diagnosis And Repair**

Total Credits = Cr: 1  
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair power assist units in automotive braking systems.

**AUTO 1540 - Antilock And Traction Control Diagnosis And Repair**

Total Credits = Cr: 1  
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair antilock brake systems and traction control systems.

Total: 5 hrs./ 150 clock hrs.

TCA - Electrical Technician

**AUTO 1600 - General Electrical System Diagnosis**

Total Credits = Cr: 2  
/ Laboratory = Lab: 2

This course teaches the electrical principles of Ohm’s Law, Series Circuits, Parallel Circuits, and Series Parallel circuits. It also teaches the basic methods of electrical diagnosis and use of schematic and wiring diagrams.

**AUTO 1610 - Battery Diagnosis And Repair**

Total Credits = Cr: 1  
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair the battery and associated electrical components.
AUTO 1620 - Starting Systems Diagnosis And Repair

Total Credits = Cr: 2
/ Laboratory = Lab: 2

This course teaches the procedures and methods necessary to diagnose and repair starting systems including the removal and installation of components.

AUTO 1630 - Charging Systems Diagnosis And Repair

Total Credits = Cr: 2
/ Laboratory = Lab: 2

This course teaches the procedures and methods necessary to diagnose and repair charging systems including removal and installation of components.

AUTO 1640 - Lighting Systems, Gauges, Warning Devices And Driver Information Diagnosis And Repair

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair lighting systems, gauges, warning devices and driver information systems.

AUTO 1650 - Horn And Wiper/Washer Diagnosis And Repair

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair windshield wiper/washer systems and the horn system.
  • AUTO 1660 - Electrical Accessories Diagnosis and Repair 1 hr./ 30 clock hrs.

Total: 10 hrs./ 300 clock hrs.

TCA - Heating and Air Conditioning Technician
**AUTO 1700 - Air Conditioning System Diagnosis And Repair**

Total Credits = Cr: 1  
Laboratory = Lab: 1

This course teaches the principles of refrigeration and the procedures and methods necessary to diagnose and repair automotive air conditioning systems.

**AUTO 1710 - Refrigeration System Component Diagnosis And Repair**

Total Credits = Cr: 1  
Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair individual components of the air conditioning system.

**AUTO 1720 - Heating And Ventilation Systems Diagnosis And Repair**

Total Credits = Cr: 1  
Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair automotive heating and ventilation systems.

**AUTO 1730 - Operating Systems And Related Controls**

Total Credits = Cr: 1  
Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair electrical, vacuum, and automatic temperature controls.

**AUTO 1740 - Refrigerant Recover, Recycling And Handling**

Total Credits = Cr: 1  
Laboratory = Lab: 1

This course teaches the procedures and methods necessary to properly handle and store refrigerants.

Total: 5 hrs./ 150 clock hrs.
TCA - Engine Performance Technician

AUTO 1800 - General Engine Diagnosis

Total Credits = Cr: 3
/ Laboratory = Lab: 3

This course teaches the principles of internal combustion engines and the procedures and methods necessary to diagnose general engine mechanical problems.

AUTO 1810 - Computerized Engine Controls Diagnosis And Repair

Total Credits = Cr: 3
/ Laboratory = Lab: 3

This course teaches the procedures and methods necessary to diagnose and repair computerized engine controls by retrieving and storing diagnostics codes.

AUTO 1820 - Ignition Systems Diagnosis And Repair

Total Credits = Cr: 2
/ Laboratory = Lab: 2

This course teaches the procedures and methods necessary to diagnose and repair the various types of ignition systems in use today.

AUTO 1830 - Fuel, Air Induction, And Exhaust Systems

Total Credits = Cr: 2
/ Laboratory = Lab: 2

This course teaches the procedures and methods necessary to diagnose and repair fuel supply and fuel delivery systems. It also teaches the repair procedures for intake and exhaust systems.

AUTO 1840 - Emissions Systems Diagnosis And Repair

Total Credits = Cr: 3
/ Laboratory = Lab: 3
This course teaches the procedures and methods necessary to diagnose and repair the myriad of emissions controls systems on modern automobiles.

**AUTO 1850 - Engine Related Services**

Total Credits = Cr: 2  
/ Laboratory = Lab: 2

This course teaches the procedures and methods necessary to diagnose and repair mechanical timing devices, and cooling system components.

Total: 15 hrs./ 450 clock hrs.

**TD - Automotive Technician**

**JOBS 2450 - Job Seeking Skills**

Total Credits = Cr: 2  
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

**Prerequisites:** None

**CPTR 1000 - Introduction To Computers**

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introductory study of computer system components, operating system environments. Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

**Prerequisites:** None
Barber-Styling, T.D.

**Program Type:** Technical Diploma (TD)

**Program Length:** 53 Credit Hours/1605 Clock Hours

**Program Description**

The Barber-Styling diploma program is designed to prepare students to work efficiently in the industry of Barber-Styling. This competency-based program includes classroom instruction and practical/lab experience under supervision of the instructor.

Practical skills are developed through experience in a school-based, on-site shop which is equipped and managed according to industry standards by the students with instructor supervision. Upon completion of this program, which is approved by the LA State Board of Barber Examiners and meets the 1500-hour requirement, students are eligible to take the LA State Board of Barber Examiners licensure examination.

Barber-Styling Course Listing

**TD - Barber Styling**

**ORNT 1000 - Freshman Seminar**

Total Credits = Cr. 1  
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

- BARB 1110 - History of Barbering and the Professional Image 2 hrs./ 30 clock hrs.

**CPR 1000 - Introduction To Computers**

Total Credits = Cr. 2  
Lecture = Lec. 1; / Laboratory = Lab: 1;

An introductory study of computer system components, operating system environments, Internet concepts, and security issues.
Includes a hands-on study emphasizing computer hardware and various operating systems features.

**Prerequisites:** None

- BARB 1120 - Sanitation, Bacteriology, Safety with Tools, Implements, and Equipment Theory and Practice 2 hrs./ 60 clock hrs.
- BARB 1131 - Sanitation, Bacteriology, Safety with Tools, Implements, and Equipment Lab 1 hrs./ 30 clock hrs.
- BARB 1160 - Men's/Women's Basic Haircutting/Styling Theory & Practice 2 hrs./ 60 clock hrs.
- BARB 1220 - Shaving, Mustaches, and Beards Theory & Practice 1 hrs./ 30 clock hrs.
- BARB 1211 - Barber-Styling Lab I 4 hrs./ 180 clock hrs.
- BARB 1410 - Electricity and Safety 1 hrs./ 15 clock hrs.
- BARB 1140 - Facial Massage and Treatments Theory & Practice 2 hrs./ 60 clock hrs.
- BARB 1150 - Properties/Disorders/Treatments of Skin, Scalp, & Hair Theory and Practice 2 hrs./ 60 clock hrs.
- BARB 1231 - Barber-Styling Lab II 2 hrs./ 90 clock hrs.
- BARB 1310 - Permanent Waving/Chemical Hair Relaxing Theory & Practice 3 hrs./ 90 clock hrs.
- BARB 1321 - Permanent Waving/Chemical Hair Relaxing Lab 2 hrs./ 60 clock hrs.
- BARB 1350 - Chemistry 2 hrs./ 30 clock hrs.
- BARB 1420 - Anatomy and Physiology 2 hrs./ 45 clock hrs.
- BARB 1430 - Men's Hairpieces Theory 1 hrs./ 30 clock hrs.
- BARB 1441 - Barber-Styling Lab III 5 hrs./ 225 clock hrs.
- BARB 2630 - Professionalism for Barber Styling 1 hrs./ 15 clock hrs.
- BARB 1330 - Hair Coloring Theory and Practice 2 hrs./ 60 clock hrs.
- BARB 1341 - Hair Coloring Lab 2 hrs./ 60 clock hrs.
- BARB 2111 - Barber-Styling Shop Management and Sales 2 hrs./ 60 clock hrs.
- BARB 2120 - LA State Barber Board Review Theory 3 hrs./ 45 clock hrs.
- BARB 2131 - LA State Barber Board Review Lab 4 hrs./ 180 clock hrs.

**JOBS 2450 - Job Seeking Skills**

**Total Credits = Cr: 2**
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

**Prerequisites:** None

**Total: 53 hrs./ 1605 clock hrs.**

**Optional Electives:**
CSRV 1000 - Customer Service

Total Credits = Cr: 3
Lecture = Lec: 3

This course is intended to help participants' progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

Prerequisites: Consent of Instructor

May Be Substituted:

With approval from the Chief Academic officer/designee, the following courses may be substituted for the above course requirements

- BARB 2991 - Special Projects I  1 hr./ 30 clock hrs.
- BARB 2993 - Special Projects II 2 hrs./ 60 clock hrs.
- BARB 2995 - Special Projects III 3 hrs./ 90 clock hrs.
- BARB 2996 - Special Projects IV 3 hrs./ 45 clock hrs.
- BARB 2997 - Practicum 3 hrs./ 135 clock hrs.
- BARB 2999 - Cooperative Education 3 hrs./ 135 clock hrs.

Biological Sciences Track Transfer Degree, A.S.L.T.

All courses applied to the degree must be passed with a C or better. Developmental courses may not be applied.

Requirements for the ASLT track in biological sciences are listed below. When more than one option for fulfilling a requirement is given, even if some of these options are listed as “recommended” or “electives,” students should select courses that are required for the major they intend to pursue at a university. Students transferring to a University of Louisiana System (ULS) institution should follow the appropriate ULS track.

Biological Sciences Track

English Composition & Literature (Humanity) 9 hours

Complete both:

ENGL 101 - English Composition I
Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

**ENGL 102 - English Composition**

Total Credits = Cr. 3  
Lecture = Lec. 3  

Students will master the principles of researched writing and complete an accurately documented research paper.

Prerequisites: ENGL 101 with a grade of “C” or higher.

Choose one literature:

**ENGL 102 - English Composition**

Total Credits = Cr. 3  
Lecture = Lec. 3  

Students will master the principles of researched writing and complete an accurately documented research paper.

Prerequisites: ENGL 101 with a grade of “C” or higher.

**ENGL 201 - English Literature**

Total Credits = Cr. 3  
Lecture = Lec.3  

This course is a survey of important works of English literature from the Anglo-Saxon period to the Restoration and Eighteenth Century. Writers studied in the course will include Chaucer, Marlowe, Shakespeare, Donne, Milton, Swift and others.

Prerequisites: ENGL 102 with a grade of “C” or higher.

**ENGL 202 - English Literature**

Total Credits = Cr. 3
This course is a survey of important works of English literature from the Romantic Period through the Twentieth Century. Writers studied in the course will include Blake, Shelley, Wordsworth, Keats, Byron, Coleridge, Browning, Tennyson, Conrad, Yeats, Joyce, Lawrence, Eliot, Auden and others.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 203 - American Literature I**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course will be a survey of significant works in American Literature from its beginnings to 1860. Included in the course are Native American myths, works by early explorers and settlers, the literature of reason and revolution, and the Romantic and Transcendental movements.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 204 - American Literature II**

Total Credits = Cr. 3  
Lecture = Lec. 3

A survey of American Literature from 1860 to the present. Major writers include Whitman, Dickinson, Twain, Frost, Eliot, Hemingway, Faulkner and Steinbeck, as well as the rising voices of ethnic and women’s literature in the 20th century.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 205 - World Literature**

Total Credits = Cr. 3  
Lecture = Lec. 3;

A survey of the major works of World Literature from the Classical Period to the Renaissance, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 206 - World Literature**

Total Credits = Cr. 3  
Lecture = Lec. 3
A survey of the major works of World Literature from the Renaissance to the present, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 207 - Literature Of The Old Testament**

**Total Credits = Cr. 3**
Lecture = Lec. 3

This course is a survey of literature found in the Old Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

**Prerequisites:** ENGL 102 with “C” or higher.

**ENGL 208 - Literature Of The New Testament**

**Total Credits = Cr. 3**
Lecture = Lec. 3

This course is a survey of literature found in the New Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

**Prerequisites:** ENGL 102 with “C” or higher.

**ENGL 211 - Survey Of Short Stories & Novels**

**Total Credits = Cr. 3**
Lecture = Lec. 3

Skills for reading and writing about fiction; attention to generic conventions and critical perspectives; section emphasis may vary; consult departmental handout.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 215 - Introduction To Drama & Poetry**

**Total Credits = Cr. 3**
Lecture = Lec. 3

The course is designed to develop in students an ability to understand, analyze and evaluate drama and poetry. The first half of the course focuses on drama and introduces the student to plays from the Greek classics through the twentieth century. The second half of the course emphasizes poetry that reflects different forms, subjects, themes and points of view. Since reading is a major focus of this course, students will practice a variety of interrelated reading and interpretative skills. Students’ writing
should move beyond paraphrasing into analysis, interpretation and argumentation.

Prerequisites: ENGL 102 with a grade of “C” or higher.

Social/Behavioral Sciences 6 hours (3 at 200 level)

**ECON 201 - Macroeconomics**

Total Credits = Cr. 3  
Lecture = Lec. 3

A study of price and output determination, theories of production, determination of prices in regulated and unregulated industries, functional distribution of income, and international economics.

**ECON 202 - Microeconomics**

Total Credits = Cr. 3  
Lecture = Lec. 3

A study of economics, economic concepts and economic institutions. Emphasizes the operation and function of a market economy while analyzing economic problems related to income, employment, the business cycle, money and banking, growth and development.

Prerequisites: ECON 201

**GEOG 202 - Cultural Geography**

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to the concepts, themes and techniques of cultural geography; topical discussion of religion, politics, language, population, agriculture, urbanization, environmental and social problems.

**GEOG 205 - Physical Geography**

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to the concepts, themes and disciplines of physical geography. Discussion of atmospheric moisture, pressure and temperature, plate tectonics, volcanism, weathering and mass wasting, diastrophism, coastal processes, fluvial processes, global ecosystems and weather systems.
POLI 110 - American Government

Total Credits = Cr. 3
Lecture = Lec. 3;

The principles, institutions, processes and functions of government. Emphasis is on the national government, the development of our constitutional system and the role of the citizen in the democratic process.

PSYC 201 - Introduction To Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

PSYC 225 - Child Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

Physical, intellectual, social and emotional factors in child growth and development.

Prerequisites: PSYC 201.

PSYC 226 - Developmental Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

Physical, psychological, and social aspects of the individual from conception to death. Cultural, social, and hereditary factors that affect the individual’s behavior throughout the life cycle.

Prerequisites: PSYC 201 with a “C” or higher.

PSYC 227 - Adolescent Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

A study of the physical and mental growth of youth during the period of adolescence and the transition from childhood to adulthood.
Prerequisites: PSYC 201 with a “C” or higher.

SOCL 201 - Introduction To Sociology

Total Credits = Cr. 3  
Lecture = Lec. 3;

As an introduction to the discipline of sociology, this course surveys and provides students with an understanding of human society and social life. It introduces students to the major subject areas of sociology, including the major theoretical perspectives and theorists; logic and techniques of research; social organization, institutions, and inequality and social change.

SOCL 202 - Contemporary Social Problems

Total Credits = Cr. 3  
Lecture = Lec. 3;

A description and sociological analysis of major contemporary social problems in American society. The focus is on both the individual and societal levels (on both social action and social structure) and on the reciprocal relationship between them.

Prerequisites: SOCL 201 with “C” or higher.

Math/A.R. 6-11 hours

MATH 110 - College Algebra

Total Credits = Cr. 3  
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

MATH 111 - Plane Trigonometry

Total Credits = Cr. 3  
Lecture = Lec. 3;

Trigonometric functions and identities, inverse trigonometric functions, graphs, solving triangles and equations, complex numbers and polar coordinates.
Prerequisites: TH 110 with “C” or higher.
- Gen. Ed. Math/A.R.
- Elective

Note(s):
The math requirement may vary depending on the students intended major and transfer institution. Any of the following courses are acceptable for this requirement, MATH 111 (assuming it has not already been used), MATH 210, MATH 220.

Humanities 6 hours

Recommended: a history sequence, speech course, or foreign language series

FREN 101 - Elementary French I

Total Credits = Cr. 3  
Lecture = Lec. 3

A beginning course designed for students with no previous knowledge of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

FREN 102 - Elementary French II

Total Credits = Cr. 3  
Lecture = Lec. 3

A continuation of FREN 101. designed for students who have completed one semester of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

Prerequisites: FREN 101

FREN 201 - Intermediate French

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: FREN 101, FREN 102

FREN 202 - Intermediate French
This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** FREN 101, FREN 102, FREN 201

### HIST 101 - Western Civilization To 1650 A.D.

A survey of civilization of the world to 1650. Major emphasis on western civilization.

### HIST 102 - Western Civilization Since 1650 A.D.

A survey of civilization of the world from 1650 to the present. Major emphasis on western civilization.

### HIST 201 - History Of The United States 1492-1877

A survey of United States history from discovery through Reconstruction.

### HIST 202 - History Of The Us 1877-present

A survey of United States history from Reconstruction to the present.

### SPCM 110 - Fundamentals Of Speech

A survey of United States history from Reconstruction to the present.
This course develops an awareness of the history and traditions of speech communication worthy of academic study. The course is a summary of this academic and professional field and is comprised of the component parts of organizational and business communication, mass communication, small group and interpersonal communication, as well as public speaking.

SPCM 120 - Intro To Public Speaking

Total Credits = Cr. 3  
Lecture = Lec. 3;

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

SPCM 130 - Interpersonal Communication

Total Credits = Cr. 3  
Lecture = Lec. 3;

This speech and personal communication course is designed for students who are interested in improving their personal knowledge and practice of the principles that govern their interpersonal (usually one-to-one) and intrapersonal (within oneself) communication behavior on a daily basis. This course applies to personal, social and professional context interactions and relationships that often govern their success personally, professionally and in everyday social activities.

SPAN 101 - Elementary Spanish I

Total Credits = Cr. 3  
Lecture = Lec. 3;

An introduction to Spanish language and culture. The course explores the basic grammatical structures of the Spanish language. Throughout the semester, students will develop writing, reading and speaking skills. Emphasis will be placed on communicative skills.

SPAN 102 - Elementary Spanish II

Total Credits = Cr. 3  
Lecture = Lec. 3;

A continuation of SPAN 101. The course will extend students’ elementary knowledge of the basic grammatical structures of the Spanish language. Throughout the semester, students will continue to develop reading, writing and speaking skills. Emphasis will be placed on communication skills.

Prerequisites: SPAN 101 with “C” or higher
SPAN 201 - Intermediate Spanish I

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is designed to build upon and extend students’ elementary knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: SPAN 102 with “C” or higher

SPAN 202 - Intermediate Spanish II

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is designed to build upon and extend students’ intermediate knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: SPAN 201 with “C” or higher

Other options:

Choose other humanities course(s) from above list, literature list or from:

PHIL 201 - Introduction To Philosophy

Total Credits = Cr. 3
Lecture = Lec. 3;

An introduction to philosophical ideas, problems and methods through a study of important philosophers and the major systems of philosophy. Topics to be covered may include appearance and reality, human nature, nature of knowledge, relation of mind with body, the right and the good, the existence of God, and freedom and determinism.

Fine Arts 3 hours

ARTS 120 - Art Appreciation

(Formerly ARTS 101)
Lecture and discussion of the visual arts with emphasis on how and why works have been created in present and earlier times. All major forms of drawing, painting, printmaking, sculpture, design and architecture are explored in basic terms.

**ARTS 201 - Survey Of Art History I**

Total Credits = Cr. 3
Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the prehistoric period through the Gothic.

**ARTS 202 - Survey Of Art History II**

Total Credits = Cr. 3
Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the Renaissance to Modern time.

**MUSC 101 - Music Appreciation**

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is designed to foster an understanding of music through the study of selected examples of musical works. Emphasis is placed upon the analysis of compositions in conjunction with references to cultural and historical developments.

**THEA 190 - Theatre Appreciation**

Total Credits = Cr. 3
Lecture = Lec. 3;

This course seeks to improve both the appreciation for and understanding of theatre art that includes the structure, focus and purpose of dramatic literature, its presentation (acting), and directing/managing, as well as physical designing (scenery, lighting, costumes, make-up) and related theatrical elements. This course, where possible, includes attendance at local theatrical presentations.

**Natural Sciences 18 hours**
Complete all 12 hours:

**BIOL 201 - Principles Of Biology I**

*Total Credits = Cr. 3*
*Lecture = Lec. 3*

This course covers the concept of scientific methodology, genetics, cell structure and development, evolution and ecology and provides a laboratory component that coincides with the lecture; Designed for students majoring in a science related field.

**Prerequisites:** Eligibility for ENGL 101 and MATH 110 and successful completion of PHSC 120 or a high or college level chemistry.

**BIOL 203 - Principles Of Biology I Lab**

*Total Credits = Cr. 1*
*Laboratory = Lab 3*

Laboratory designed to accompany Principles of Biology I lecture (BIOL 201). Laboratory activities will cover the concept of scientific methodology, genetics, cell structure and development, evolution and ecology; Designed for students majoring in a science related field.

**Prerequisites:** Enrollment in or completion of BIOL 201 with a grade of “C” or higher

**BIOL 202 - Principles Of Biology II**

*Total Credits = Cr. 3*
*Lecture = Lec. 3*

This course covers the concepts of human evolution and effects on ecology, ecological interactions, natural selection, adaptation, speciation and phylogeny.

**Prerequisites:** Grade of “C” or higher in BIOL 201

**BIOL 204 - Principles Of Biology II Lab**

*Total Credits = Cr. 1*
*Laboratory = Lab 3*

Laboratory designed to accompany Principles of Biology II lecture (BIOL 202). Laboratory activities will cover the concepts of human evolution and effects on ecology, ecological interactions, natural selection, adaptation, speciation and phylogeny.
Prerequisites or Corequisites: Completion of BIOL 201 and BIOL 203 with a grade of “C” or higher and enrollment in or completion of BIOL 202 with a grade of “C” or higher.

CHEM 110 - Chemistry I

Total Credits = Cr. 3  
Lecture = Lec. 3

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on atomic structure, periodicity, bonds, thermochemistry, molecular geometry, gas laws, solutions, and stoichiometry. This course is intended for science and engineering curricula.

Prerequisites: Grade of “C” or better in College Algebra or and ACT score of 20 in math.  
Corequisites: None

CHEM 111 - Chemistry I Lab

Total Credits = Cr. 1  
/ Laboratory = Lab 3

Laboratory designed to accompany CHEM 110, includes introduction to basic laboratory skills and operations including experiments dealing with physical and chemical properties, chemical reactions, and solution chemistry.

Prerequisites: None  
Corequisites: Enrollment in or completion of CHEM 110 with a “C” or better.

Choose 6 hours f/list:

Recommended

If a corresponding lab is offered, it may be taken and applied toward this requirement or toward the Natural Science & Humanities Electives requirement.

BIOL 210 - General Microbiology

(formerly BIOL 212)

Total Credits = Cr. 3  
Lecture = Lec 3

Course presents an integrated approach to essential concepts in Microbiology and provides a foundation for practical, hands-on work and critical thinking that are a part of science and medical based professions(for science majors).
**Prerequisites:** Successful completion of BIOL 221 and BIOL 223 with a grade of “C” or higher.

**Corequisites:** Concurrent enrollment in BIOL 211, General Microbiology Laboratory

**CHEM 120 - Chemistry II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on reaction kinetics and equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and the chemistry of metals and nonmetals. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in CHEM 110.  
**Corequisites:** None

- Organic Chem I 3hrs.
- Organic Chem II 3hrs.

**Other Options**

If a corresponding lab is offered, it may be taken and applied toward this requirement or toward the Natural Science & Humanities Electives requirement.

**ATMO 101 - Intro To Weather & Climate I**

(formerly PHSC 112)

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course will present an integrated approach to basic meteorology. Basic science skills, such as the scientific method will be highlighted, through meteorology. Meteorology concepts such as structure of the atmosphere, solar radiation, temperature, and atmospheric stability will be covered.

**Prerequisites:** None  
**Corequisites:** None

**ATMO 102 - Intro To Weather & Climate I**

(formerly PHSC 113)

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course will explore the dynamic atmosphere including topics of air masses, weather forecasting, and an in-depth view into severe weather and hurricanes will also be discussed and debated as it pertains to current trends of global warming.
**Prerequisites:** None  
**Corequisites:** None

### BIOL 221 - Human Anatomy And Physiology I

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

A descriptive presentation of the structure and function of the organ systems of the human body. The emphasis of the lecture will be on the physiology of organs and tissues. Topics covered will include the human organism, chemical basis of life, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, spinal cord, spinal nerves, brain, cranial nerves, and integration of nervous system functions, autonomic nervous system and special senses. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Eligibility to enroll in ENGL 101 and MATH 110 and successful completion of PHSC 120 or high school or college level chemistry.  
**Corequisites:** Concurrent enrollment in BIOL 223, Human Anatomy & Physiology I Laboratory.

### BIOL 222 - Human Anatomy & Physiology II

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

A descriptive presentation of the structure and function of the organ systems of the human body covering the endocrine system, cardiovascular, lymphatic (immune), respiratory, digestive, urinary and reproductive systems, development, growth, aging, nutrition, acid base balance and genetics. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Completion of BIOL 221 and BIOL 223 with a grade of C or better.  
**Corequisites:** Concurrent enrollment in BIOL 224, Human Anatomy & Physiology II Laboratory.

### BIOL 228 - Pathophysiology

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

A detailed study of the mechanisms of disease, alterations in body defenses and the effects on the following body systems: hematological, cardiovascular, respiratory, urinary, gastrointestinal, endocrine, reproductive, nervous, skeletal and integumentary.

**Prerequisites:** Completion of BIOL 221, BIOL 222, BIOL 223 & BIOL 224 with a grade of “C” or higher in each.

### BIOL 230 - Principles Of Zoology
This course is designed for students with majors and minors in biological science. The course presents the major concepts of biology as illustrated by animal life and studies selected vertebrates as laboratory animals. An introduction to the anatomy, physiology, classification, and relationships of major animal phyla will be covered. Emphasis will be placed on levels of organization, reproduction, evolution of animal life, diversity and the environment. This course may be used as a general science elective to satisfy the core content requirements.

**Prerequisites:** Eligibility for MATH 110 and ENGL 101; Successful completion of PHSC 120 or high school or college level chemistry.

**GEOL 101 - Physical Geology**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

An introduction to the scope of geology, the external and internal features of the earth such as landforms, and the agents which are responsible for them including volcanoes, glaciers, earthquakes, wind and running water.

**GEOL 102 - Historical Geology**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

The development, changes and destruction of the land features and sea areas of the earth and the changing panorama of plant and animal life from the earth’s origin to the present day.

**Prerequisites:** Successful completion of GEOL 101, Physical Geology, with a grade of “C” or higher or by special permission.

**PHSC 100 - Physical Science I**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

This course is a presentation of an integrated approach to essential concepts in physics such as motion, gravity, heat, electricity, magnetism, sound and light and to emphasize the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

**Prerequisites:** Eligibility to enroll in MATH 99 or higher level math

**PHSC 120 - Physical Science II**
This course introduces the student to the following concepts of basic chemistry: atoms and their structure, atomic models, atomic nucleus and electron configuration, mixture, bonding, acids and bases, and oxidation and reduction.

**Prerequisites:** Eligibility for MATH 99 or higher level math

**PHYS 210 - General Physics I**

This first semester of a two-semester sequence is an overview of basic concepts and principles of mechanics, heat, and sound. This course is intended for science majors.

**Prerequisites:** Successful completion of MATH 111, Plane Trigonometry, with a grade of “C” or higher;
**Corequisites:** Concurrent enrollment in PHYS 211, General Physics I Laboratory

**PHYS 211 - General Physics I Lab**

Laboratory designed to accompany PHYS 210, General Physics I; Laboratory activities are used to enhance the content and learning outcomes established for PHYS 210 for mechanics, heat, and sound.

**Prerequisites or Corequisites:** Concurrent enrollment in or successful completion of PHYS 210 with a grade of “C” or better

**SCIE 101 - Introductory Earth Science I**

This survey course will present an integrated approach to general earth science with an emphasis on the following: geology with an introduction to oceanography, meteorology, and astronomy. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. Field trips may be arranged, but not required.

**Prerequisites:** None;
**Corequisites:** None

**SCIE 102 - Introductory Earth Science II**
Total Credits = Cr.3  
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. General Earth Science 102 will include the following disciplines: geology, oceanography, meteorology, and astronomy with emphasis on oceanography, meteorology, and astronomy. Field trips may be arranged, but not required

Prerequisites: None- Students may enroll in SCIE 102 without having taken SCIE 101;  
Corequisites: None

SCIE 114 - Environmental Science & Lab

Total Credits = Cr 3  
Lecture = Lec. 3;

Study of the interactions of human activity with the environment and the future impact of these actions. Ecological, impact, sustainable management and risk analysis will be integrated throughout the course.

Prerequisites: Completion of MATH 110 with a grade of “C” or higher.  
Or other natural sciences approved by advisor

Natural Science & Humanities Electives 7-12 hours

Choose from departments listed below. Taking courses recommended in previous natural science and humanities sections is encouraged, as are labs for previously recommended science lectures.

Natural Science Electives

- Biological Sciences - BIOL  
- Chemistry - CHEM  
- Geology - GEOL  
- Physical Science - PHSC  
- Physics - PHYS

Humanities

- English - ENGL  
- History - HIST  
- Philosophy - PHIL  
- Speech - SPCH

Other

- MATH 210 - MATH
Completion of the Associate of Arts/Science Louisiana Transfer (AALT, ASLT) degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an AALT/ASLT degree.

Additional Information

Course Selection

1 The math requirement may vary depending on the students intended major and transfer institution. Any of the following courses are acceptable for this requirement, MATH 111 (assuming it has not already been used), MATH 210, MATH 220.

2 If a corresponding lab is offered, it may be taken and applied toward this requirement or toward the Natural Science & Humanities Electives requirement.

Completing an Associate of Arts/Science Louisiana Transfer Degree (AALT/ASLT) at LDCC

- A student’s placement in English and math courses will be determined by ACT, SAT, and/or COMPASS scores. As a result of these scores, some students may be required to take developmental classes in preparation for the English and math classes required for the transfer degree. Note: When appropriate, previous college work will be used to determine placement in these subject areas.
- A course may be applied only once for degree credit.
- Transfer coursework is unofficial until all official transcripts are evaluated and posted.
- To graduate with the AALT or ASLT, students must have LDCC and adjusted cumulative grade-point averages of 2.00.
- Students should refer to the LDCC General Catalog for a detailed explanation of graduation requirements.

Transferring to a University with an AALT or ASLT Degree

Advising and planning are key to a student’s success in maximizing the transfer experience. All students who might eventually transfer from one institution to another should develop, with an advisor’s assistance, a written degree plan of courses to take for the transfer associate degree. Whenever possible, students should use the transfer degree requirements to satisfy the admission requirements of the university to which they wish to transfer; the university’s senior college, departmental, and/or program admission requirements; and course requirements for the baccalaureate degree. Additionally, a student with coursework from multiple institutions may need to contact the Campus Transfer Ombudsman* at the transfer university for information regarding the applicability of non-LDCC coursework toward the intended major at the university.

Completion of the AALT or ASLT does not guarantee that a student will have the grade-point average necessary for admission to the university, senior college, department, program, etc, to which a student wishes to transfer. It is therefore essential that students find out these requirements* as early as possible.

*To identify the Campus Transfer Ombudsman (or designated contact person) or GPA requirements for the university to which you wish to transfer, visit the statewide articulation web site. Links to each participating institution’s articulation web site can be found here with other helpful academic resources.

Note(s):
Completion of the Associate of Arts/Science Louisiana Transfer (AALT, ASLT) degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an AALT/ASLT degree.

Biomedical Equipment Technology, C.T.S

Business and Technology, A.A.S.

The Associate of Applied Science in Business and Technology is designed for those students interested in obtaining a degree to enter the work force or continuing at a four-year institution to pursue a bachelor’s degree.

Program of Study

Core Courses

Students must earn a grade of C or better in all Core Courses.

ACCT 201 - Intro To Financial Accounting

Total Credits = Cr. 3
Lecture = Lec. 3

Concepts, techniques and tools of financial accounting, including the principles of collecting, summarizing, and reporting financial data.

BUSN 101 - Introduction To Business

Total Credits = Cr. 3
Lecture = Lec. 3

An introductory course covering a variety of business concepts and applications in the areas of business ownership, economics, ethics, finance, management and marketing.

BUSN 201 - Principles Of Marketing

Total Credits = Cr. 3
Lecture = Lec 3

Marketing functions; institutions, policies and strategies with their business, economic and social implications. Flow of goods and services from planning through production to consumption.
**Prerequisites:** BUSN 101

**BUSN 210 - Principles Of Management**

Total Credits = Cr: 3  
Lecture = Lec: 3

Introduction to fundamental principles of management theory and practice with particular emphasis on developing an understanding of human behavioral and scientific approaches.

**Prerequisites:** BUSN 101

**BUSN 231 - Business Law I**

Total Credits = Cr. 3  
Lecture = Lec. 3

Legal principles and practices in business environment. Involves the nature and sources of law, the judicial system, contractual relationships, the role of contracts in business, agency relationships, employee obligations and ethical and social responsibilities.

**CINS 203 - Spreadsheet Applications**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course provides a comprehensive presentation of the current version of Microsoft Excel. In addition to introducing Excel, topics include using formulas, functions, and charts; working with large worksheets and tables; converting data to information using Pivot Tables and Pivot Charts; Data analysis; consolidating data and linking files; What-If analysis, forecasting, amortization and validating data; employing templates, themes, web pages and web queries; Prerequisite: Grade of “C” or higher in CINS 101 or successful completion of Competency Exam, or permission of the instructor.

**CINS 204 - Word Processing Applications**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course provides a comprehensive presentation of the current version of Microsoft Word. In addition to getting started with Word, topics include editing, formatting, and enhancing documents with tables and graphics; share, compare, and document using workgroups, collaboration, comments and references; advanced features such as wizards, templates, and mail merges; desktop publishing; expert user features such as forms, document protection, and web publishing.

**Prerequisites:** Grade of “C” or higher in CINS 101 or successful completion of Competency Exam, or permission of the instructor.
CINS 205 - Database Applications

Total Credits = Cr. 3
Lecture = Lec. 3

This course provides a comprehensive presentation of the current version of Microsoft Access. In addition to an introduction to Access, topics include relational databases and multi-table queries; how to customize, analyze, and summarize query data to make decisions; create expressions with expression builder; create and work with data aggregates; create, edit and perform calculations in creating professional and useful reports; perform data mining using pivot tables and pivot charts; establish validation methods to help ensure the integrity of data; plan and create forms; perform database maintenance by creating a table query, an append query, a delete query, and an update query.

Prerequisites: Grade of “C” or higher in CINS 101 or successful completion of Competency Exam, or permission of the instructor.

- Core Electives** 9 hrs.

Total: 33 hours

General Education Requirements

ENGL 101 - English Composition I

Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

ENGL 102 - English Composition

Total Credits = Cr. 3
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

Prerequisites: ENGL 101 with a grade of “C” or higher.

MATH 105 - College Algebra (Expanded)
Total Credits = Cr. 5  
Lecture = Lec. 5;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

**MATH 110 - College Algebra**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

**MATH 114 - Business Mathematics**

Total Credits = Cr. 3  
Lecture = Lec. 3;

The course is designed to introduce the student to business applications of mathematics such as discounting, percentage, prorating, appreciation/ depreciation, inventory, inventory, commissions, markup, and payroll.

Prerequisites: TH 110 with “C” or higher.

**MATH 210 - Introduction To Statistics**

Total Credits = Cr.3  
Lecture = Lec. 3;

This course is designed to introduce students to the fundamentals of descriptive and inferential statistics with a pronounced emphasis on inference. The major topics include methods for analyzing sets of data, probability, probability distributions, estimation, confidence intervals, hypotheses testing, simple linear regression, correlation and non-parametric statistics.

Prerequisites: TH 110 with “C” or higher.
- Natural Science 3 hrs.
- Humanities 3 hrs.
- Social/Behavioral Science 3 hrs.

Total: 21 hours
Required Related Courses

**CINS 101 - Introduction To Computers**

Total Credits = Cr. 3  
Lecture = Lec. 3

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.

**ACSE 100 - Academic Seminar**

Total Credits = Cr. 1  
Lecture = Lec. 1

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average. Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.

**BUSN 215 - Business Communication**

Total Credits = Cr.3  
Lecture = Lec.3

Theory and application of communication in the business world. Oral, written and various electronic means of communication will be included and explored.

Total: 7 hours

Total Hours: 60 Credit Hours

Note(s):
• **Core Electives must be approved by the student’s advisor and may be taken from any of the following: ACCT, BUSN, CINS, ECON, or MGT.

Associate of Applied Science in Business and Technology

First Semester

**ACSE 100 - Academic Seminar**

**Total Credits = Cr. 1**  
**Lecture = Lec. 1**

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average. Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.

**ENGL 101 - English Composition I**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

**Prerequisites:** ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

**MATH 105 - College Algebra (Expanded)**

**Total Credits = Cr. 5**  
**Lecture = Lec. 5**

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

**Prerequisites:** Placement based on placement survey of ACT score.

**MATH 110 - College Algebra**

**Total Credits = Cr. 3**
Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.
  - Natural Science (GER) 3 hrs.
  - Humanities (GER) 3 hrs.

CINS 101 - Introduction To Computers

Total Credits = Cr. 3  
Lecture = Lec. 3

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.

Total: 16 hours

Second Semester

ENGL 102 - English Composition

Total Credits = Cr. 3  
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

Prerequisites: ENGL 101 with a grade of “C” or higher.

BUSN 101 - Introduction To Business

Total Credits = Cr. 3  
Lecture = Lec. 3

An introductory course covering a variety of business concepts and applications in the areas of business ownership, economics, ethics, finance, management and marketing.
CINS 204 - Word Processing Applications

Total Credits = Cr. 3
Lecture = Lec. 3

This course provides a comprehensive presentation of the current version of Microsoft Word. In addition to getting started with Word, topics include editing, formatting, and enhancing documents with tables and graphics; share, compare, and document using workgroups, collaboration, comments and references; advanced features such as wizards, templates, and mail merges; desktop publishing; expert user features such as forms, document protection, and web publishing.

Prerequisites: Grade of “C” or higher in CINS 101 or successful completion of Competency Exam, or permission of the instructor.
- Social/Behavioral Science (GER) 3 hrs.

MATH 114 - Business Mathematics

Total Credits = Cr. 3
Lecture = Lec. 3;

The course is designed to introduce the student to business applications of mathematics such as discounting, percentage, prorating, appreciation/ depreciation, inventory, inventory, commissions, markup, and payroll.

Prerequisites: TH 110 with “C” or higher.

MATH 210 - Introduction To Statistics

Total Credits = Cr.3
Lecture = Lec. 3;

This course is designed to introduce students to the fundamentals of descriptive and inferential statistics with a pronounced emphasis on inference. The major topics include methods for analyzing sets of data, probability, probability distributions, estimation, confidence intervals, hypotheses testing, simple linear regression, correlation and non-parametric statistics.

Prerequisites: TH 110 with “C” or higher.

Total: 15 hours

Third Semester

ACCT 201 - Intro To Financial Accounting
Concepts, techniques and tools of financial accounting, including the principles of collecting, summarizing, and reporting financial data.

**BUSN 231 - Business Law I**

Total Credits = Cr. 3  
Lecture = Lec. 3  

Legal principles and practices in business environment. Involves the nature and sources of law, the judicial system, contractual relationships, the role of contracts in business, agency relationships, employee obligations and ethical and social responsibilities.

**CINS 205 - Database Applications**

Total Credits = Cr. 3  
Lecture = Lec. 3  

This course provides a comprehensive presentation of the current version of Microsoft Access. In addition to an introduction to Access, topics include relational databases and multi-table queries; how to customize, analyze, and summarize query data to make decisions; create expressions with expression builder; create and work with data aggregates; create, edit and perform calculations in creating professional and useful reports; perform data mining using pivot tables and pivot charts; establish validation methods to help ensure the integrity of data; plan and create forms; perform database maintenance by creating a table query, an append query, a delete query, and an update query.

**Prerequisites:** Grade of “C” or higher in CINS 101 or successful completion of Competency Exam, or permission of the instructor.

**BUSN 210 - Principles Of Management**

Total Credits = Cr: 3  
Lecture = Lec: 3  

Introduction to fundamental principles of management theory and practice with particular emphasis on developing an understanding of human behavioral and scientific approaches.

**Prerequisites:** BUSN 101  
  * Core Elective 3 hrs.

Total: 15 hours
Fourth Semester

**CINS 203 - Spreadsheet Applications**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course provides a comprehensive presentation of the current version of Microsoft Excel. In addition to introducing Excel, topics include using formulas, functions, and charts; working with large worksheets and tables; converting data to information using Pivot Tables and Pivot Charts; Data analysis; consolidating data and linking files; What-If analysis, forecasting, amortization and validating data; employing templates, themes, web pages and web queries; Prerequisite: Grade of “C” or higher in CINS 101 or successful completion of Competency Exam, or permission of the instructor.

**BUSN 201 - Principles Of Marketing**

Total Credits = Cr. 3  
Lecture = Lec 3

Marketing functions; institutions, policies and strategies with their business, economic and social implications. Flow of goods and services from planning through production to consumption.

Prerequisites: BUSN 101

**BUSN 215 - Business Communication**

Total Credits = Cr.3  
Lecture = Lec.3

Theory and application of communication in the business world. Oral, written and various electronic means of communication will be included and explored.

- Core Elective 6 hrs.

Total: 15 hours

Total: 60 Credit Hours

Note(s):
* Students placing in any 095 developmental courses OR two or more developmental courses are required to take Academic Skills Seminar

Customer Service Technical Competency Area

This four-course sequence is designed to enhance students’ customer service skills and better prepare them for careers in industries such as business, hospitality, and tourism.

**BUSN 101 - Introduction To Business**

*Total Credits = Cr. 3*
*Lecture = Lec. 3*

An introductory course covering a variety of business concepts and applications in the areas of business ownership, economics, ethics, finance, management and marketing.

**BUSN 215 - Business Communication**

*Total Credits = Cr.3*
*Lecture = Lec.3*

Theory and application of communication in the business world. Oral, written and various electronic means of communication will be included and explored.

**BUSN 130 - Customer Service For Business Professionals**

*Total Credits = Cr. 3*
*Lecture = Lec. 3*

Training and practice in providing the highest level of customer service for both external and internal customers. Preparation for the National Retail Federation Customer Service Exam will be included.

**CINS 101 - Introduction To Computers**

*Total Credits = Cr. 3*
*Lecture = Lec. 3*

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.
Business Office Administration, A.A.S.

Program Type: Associate of Applied Science (AAS)
Program Length: 60 credit hours

Business Office Technology (General Office Concentration) 45 credit hours/870 clock hours
Business Office Technology (Computer Applications Concentration) 45 credit hours/855 clock hours
Business Office Technology (Accounting Concentration) 45 credit hours/885 clock hours
Business Office Technology (Medical Office Concentration) 45 credit hours/780 clock hours
Business Office Technology (Legal Office Concentration) 45 credit hours/825 clock hours

Program Description
This program will prepare individuals for office technology/support positions in both private and public agencies.

Business Office Administration Course Listing

Pre-requisite Courses
The following courses are Pre-requisite courses for all exit points.

CPTR 1002 - Computer Literacy And Applications

(**PREVIOUSLY KNOWN AS CPTR 1000)

Total Credits = Cr: 3
Lecture = Lec: 3

This course is an introductory study and application of computer system components and operating system environments. Internet concepts, electronic mail, and core components of word processing, database management, spreadsheets, and presentation software will also be addressed.

KYBD 1010 - Basic Keyboarding

Total Credits = Cr: 3
Lecture = Lec: 3

This course is an introduction to basic keyboarding terminology and touch typing. Emphasis is placed on speed, accuracy, and correct techniques.

TCA - General Clerk

Core Courses for all Concentration Areas
ORNT 1000 - Freshman Seminar

Total Credits = Cr. 1
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

CSRV 1000 - Customer Service

Total Credits = Cr: 3
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

Prerequisites: Consent of Instructor

BUSE 1030 - Business English

Total Credits = Cr: 3
Lecture = Lec: 3

This course is a concentrated and intensive study of English grammar and usage as applied to business documents and applications.

Prerequisites: Satisfactory completion of all required Developmental Education English/Writing courses.

KYBD 1111 - Introduction To Formatting

Total Credits = Cr: 3
Lecture = Lec: 1; / Laboratory = Lab: 2;

This course covers continued development and application of introductory to intermediate keyboarding techniques combined with basic word processing techniques and functions. Emphasis is also placed on an increase in speed, accuracy, and correct keyboarding techniques.

Prerequisites: CPTR 1002 AND KYBD 1010

OSYS 1100 - Records Management
This course includes basic records management terminology, procedures, classification systems, electronic and manual storage, retrieval, and disposal, compliance with freedom of information laws and Privacy Act.

Total: 13 hrs./ 225 clock hrs.

General Office Concentration

The TCA - General Clerk PLUS the following courses comprise the General Office Concentration

CTS - Office Assistant Specialist

ACCT 1100 - Principles Of Accounting Part I

This course covers fundamental principles of double-entry accounting, with emphasis on journalizing, posting, and the preparation of financial statements; also accounting for cash and work at close of the fiscal period using the cash basis for a service enterprise. Recommend completion of or placement out of developmental coursework.

BUSM 1050 - Business Math

A study of various business-related mathematical processes, principles, and techniques used to solve business problems on the electronic calculator.

Prerequisites: Satisfactory completion of all required Developmental Education Math courses.

BUSE 1045 - Business Communication

This course is a study of concepts and methods of business communication.
Prerequisites: Satisfactory completion of all required Developmental Education English/Writing courses and BUSE 1030 and KYBD 1111

**CPTR 1320 - Spreadsheets**

Total Credits = Cr: 3  
Lecture = Lec: 1 / Laboratory = Lab: 2  
This course focuses on the basic fundamentals of producing spreadsheets and graphs.  
Prerequisites: CPTR 1002

**CPTR 1310 - Introduction To Database Management**

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1  
This course covers basic methods for creating a database, adding, changing and deleting information in a database, printing data in the form of reports, and the printing of address labels.  
Prerequisites: CPTR 1002

**ISYS 1440 - Word Processing**

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;  
This course provides hands-on experience of word processing techniques and functions with emphasis on features and commands using a current version of word processing software.  
Prerequisites: CPTR 1002 AND KYBD 1111

**ACCT 1200 - Principles Of Accounting, Part II**

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1  
This course covers fundamental accounting principles relating to sales and receipts, purchases and payments, cash, and payroll; accrual accounting for a merchandising business including the periodic summary, adjustments, and end-of-period closing procedures.  
Prerequisites: ACCT 1100
Total: 34 hrs. / 690 clock hrs.

TD - Business Office Technology (General Office Concentration)

**ISYS 1650 - Desktop Publishing**

*Total Credits = Cr: 3*
Lecture = Lec: 2; / Laboratory = Lab: 1;

This course includes basic concepts in creating documents containing graphics and text. Current version of popular word processing/graphics software is incorporated.

**Prerequisites:** ISYS 1550 or discretion of instructor (**ISYS 1550 IS NOT LISTED IN THE NEW BOT CURRICULUM; IT HAS BEEN INCORPORATED INTO THE NEW CLOCK HOURS OF ISYS 1440**)

**MACH 1350 - Machine Transcription**

*Total Credits = Cr: 3*
Lecture = Lec: 3;

This course includes hands-on applications of machine transcription equipment, as well as production of documents (mailable copy) from various fields of employment. Emphasis is on English language skills: punctuation, spelling, grammar, and vocabulary.

**Prerequisites:** ENGL 1030, ISYS 1450 or KYBD 1110 (**ENGL 1030 IS NOW BUSE 1030, ISYS 1450 IS NOW ISYS 1440, KYBD 1110 IS NOW KYBD 1111**)

**OSYS 2530 - Office Procedures**

*Total Credits = Cr: 3*
Lecture = Lec: 3;

This course focuses on understanding the role of the office professional in today’s changing office environment. Students learn effective office, human relations, communication, decision-making, and critical thinking skills by completing assignments and live projects. Specific items covered in this course include interpersonal communications, professional presence and success behaviors, stress and time management, work ethics and diversity, current technology, telecommunications, mail and records management, business correspondence, teamwork, meetings and presentations, travel and conference arrangements, and career development.

**Prerequisites:** ENGL 1030, ISYS 1450
JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2  
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 45 hrs./ 870 clock hrs.

Computer Applications Concentration

The TCA - General Clerk PLUS the CTS - Office Assistant Specialist PLUS the following courses comprise the Computer Applications Concentration

TD - Business Office Technology (Computer Applications Concentration)

- CPTR 1200 - Introduction to Operating Systems 3 hrs./ 45 clock hrs.
- CPTR 1600 - Presentation Software 3 hrs./ 45 clock hrs.
- CPTR 1400 - Introduction to Networking Technologies 3 hrs./ 45 clock hrs.

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2  
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

- TD - Business Office Technology (Computer Applications Concentration) 45 hrs./ 855 clock hrs.
Accounting Concentration

The TCA - General Clerk PLUS the following courses comprise the Accounting Concentration

CTS - Accounting Office Specialist

**ACCT 1100 - Principles Of Accounting Part I**

_Total Credits = Cr: 3_
_Lecture = Lec: 2 / Laboratory = Lab: 1_

This course covers fundamental principles of double-entry accounting, with emphasis on journalizing, posting, and the preparation of financial statements; also accounting for cash and work at close of the fiscal period using the cash basis for a service enterprise. Recommend completion of or placement out of developmental coursework.

**ACCT 1200 - Principles Of Accounting, Part II**

_Total Credits = Cr: 3_
_Lecture = Lec: 2 / Laboratory = Lab: 1_

This course covers fundamental accounting principles relating to sales and receipts, purchases and payments, cash, and payroll; accrual accounting for a merchandising business including the periodic summary, adjustments, and end-of-period closing procedures.

**Prerequisites:** ACCT 1100

**BUSM 1050 - Business Math**

_Total Credits = Cr: 3_
_Lecture = Lec: 2 / Laboratory = Lab: 1_

A study of various business-related mathematical processes, principles, and techniques used to solve business problems on the electronic calculator.

**Prerequisites:** Satisfactory completion of all required Developmental Education Math courses.

**BUSE 1045 - Business Communication**
This course is a study of concepts and methods of business communication.

**Prerequisites:** Satisfactory completion of all required Developmental Education English/Writing courses and BUSE 1030 and KYBD 1111

**CPTR 1320 - Spreadsheets**

This course focuses on the basic fundamentals of producing spreadsheets and graphs.

**Prerequisites:** CPTR 1002

**ISYS 1440 - Word Processing**

This course provides hands-on experience of word processing techniques and functions with emphasis on features and commands using a current version of word processing software.

**Prerequisites:** CPTR 1002 AND KYBD 1111

**ACCT 1250 - Payroll Accounting**

This course covers accounting principles and procedures relating to payroll accounting, including payroll and personnel records and reports; computation and payment of wages and salaries, social security taxes, income tax withholding; unemployment compensation taxes; and the analysis and recording of payroll transactions.

**Prerequisites:** ACCT 1200

Total: 34 hrs./ 675 clock hrs.

TD - Business Office Technology (Accounting Concentration)
ACCT 1300 - Intermediate Accounting

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

Accounting principles relating to accounts receivable, accounts payable, uncollectible accounts, notes and interest, merchandise inventory, property, plant, and equipment; and accounting for partnerships.

Prerequisites: ACCT 1200

ACCT 1400 - Advanced Accounting

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers principles relating to the corporate organization, including accounting for accounting principles and reporting standards. Financial reporting and analyses including cash flow statements, measures of profitability, liquidity, and financial strength, and accounting for departmentalized profit and cost centers is also covered.

Prerequisites: ACCT 1300

ACCT 1500 - Computerized Accounting

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers basic accounting principles utilizing the application of a computerized accounting package which includes setting up the accounting system, recording routine transactions, preparing financial statements, and completing the year-end operations.

Prerequisites: ACCT 1200 **concurrent enrollment in ACCT 1200 is acceptable**

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The
completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

**Prerequisites:** None

Total: 45 hrs./ 885 clock hrs.

**Medical Office Concentration**

The TCA - General Clerk PLUS the following courses comprise the Medical Office Concentration

**CTS - Medical Office Specialist**

**BOTH 1300 - Medical Office Terminology**

Total Credits = Cr: 3  
Lecture = Lec: 3

This course is an introduction of basic medical terms by use of prefixes, suffixes, and anatomical roots.

**BOTH 1120 - General Body Structure**

Total Credits = Cr: 3  
Lecture = Lec: 3

This course covers identification of the organs and basic functions of the human body and disorders as it relates to each system with medical terminology integrated with each.

**BOTH 1210 - Administrative Procedures For Medical Offices**

Total Credits = Cr: 3  
Lecture = Lec: 3

This course is a discussion of the components of effective client/staff communication, both verbal and nonverbal. Beginning front office activities in a medical office such as scheduling, insurance, billing, using and maintaining office equipment, legal and ethical issues in the medical office, maintaining patient records, and patient/client education methods are covered. Practical application activities are integrated throughout this course.

**ACCT 1100 - Principles Of Accounting Part I**
This course covers fundamental principles of double-entry accounting, with emphasis on journalizing, posting, and the preparation of financial statements; also accounting for cash and work at close of the fiscal period using the cash basis for a service enterprise. Recommend completion of or placement out of developmental coursework.

**BUSE 1045 - Business Communication**

This course is a study of concepts and methods of business communication.

**Prerequisites:** Satisfactory completion of all required Developmental Education English/Writing courses and BUSE 1030 and KYBD 1111

**BOTH 2110 - Medical Office Transcription**

This course covers principles of medical transcription along with practical application and usage of medical forms, reports and case studies with integrated medical terminology and medical keyboarding. Students may participate in selected clinical sites as part of this course, if available.

**Prerequisites:** BOTH 1300 and KYBD 1111

Total: 34 hrs./ 585 clock hrs.

**TD - Business Office Technology (Medical Office Concentration)**
**BOTH 1230 - Insurance Billing**

Total Credits = Cr: 3  
Lecture = Lec: 3

This course covers discussion of the types of health insurance, insurance claims procedures and instruction in the application of the current version of the International Classification of Diseases, 2001, Revision, Clinical Modification (ICD-9-CM) Classification System and Current Procedural Terminology (CPT). Students may participate in selected clinical sites as part of this course, if available.

**BOTH 1240 - Coding**

Total Credits = Cr: 3  
Lecture = Lec: 3

This course covers discussion of the types of health insurance, insurance claims procedures and instruction in the application of the current version of the International Classification of Diseases, 2001, Revision, Clinical Modification (ICD-9-CM) Classification System and Current Procedural Terminology (CPT). Students may participate in selected clinical sites as part of this course, if available.

**ACCT 1200 - Principles Of Accounting, Part II**

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers fundamental accounting principles relating to sales and receipts, purchases and payments, cash, and payroll; accrual accounting for a merchandising business including the periodic summary, adjustments, and end-of-period closing procedures.

**Prerequisites:** ACCT 1100

**BOTH 1250 - Advanced Coding**

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers advanced diagnosis and procedure coding in the application of the current version of the International Classification of Diseases, 2001, Revision, Clinical Modification (ICD-9-CM) Classification System and Current Procedural Terminology (CPT). Students may participate in selected clinical sites as part of this course, if available.

**Prerequisites:** BOTH 1120, BOTH 1230, and BOTH 1240
JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 45 hrs./ 780 clock hrs.

Additional Exit Points:

TCA - Medical Records/Billing Clerk

BOTH 1120 - General Body Structure

Total Credits = Cr: 3
Lecture = Lec: 3

This course covers identification of the organs and basic functions of the human body and disorders as it relates to each system with medical terminology integrated with each.

BOTH 1300 - Medical Office Terminology

Total Credits = Cr: 3
Lecture = Lec: 3

This course is an introduction of basic medical terms by use of prefixes, suffixes, and anatomical roots.

BOTH 1230 - Insurance Billing
This course covers discussion of the types of health insurance, insurance claims procedures and instruction in the application of
the current version of the International Classification of Diseases, 2001, Revision, Clinical Modification (ICD-9-CM)
Classification System and Current Procedural Terminology (CPT). Students may participate in selected clinical sites as part of
this course, if available.

BOTH 1240 - Coding

This course covers discussion of the types of health insurance, insurance claims procedures and instruction in the application of
the current version of the International Classification of Diseases, 2001, Revision, Clinical Modification (ICD-9-CM)
Classification System and Current Procedural Terminology (CPT). Students may participate in selected clinical sites as part of
this course, if available.

BOTH 1250 - Advanced Coding

This course covers advanced diagnosis and procedure coding in the application of the current version of the International
Terminology (CPT). Students may participate in selected clinical sites as part of this course, if available.

Prerequisites: BOTH 1120, BOTH 1230, and BOTH 1240

Total: 15 hrs./ 255 clock hrs.

CTS - Medical Records/Billing Specialist

BOTH 1210 - Administrative Procedures For Medical Offices

This course is a discussion of the components of effective client/staff communication, both verbal and nonverbal. Beginning front
office activities in a medical office such as scheduling, insurance, billing, using and maintaining office equipment, legal and
ethical issues in the medical office, maintaining patient records, and patient/client education methods are covered. Practical application activities are integrated throughout this course.

OSYS 1100 - Records Management

Total Credits = Cr: 3  
Lecture = Lec: 3;

This course includes basic records management terminology, procedures, classification systems, electronic and manual storage, retrieval, and disposal, compliance with freedom of information laws and Privacy Act.

BOTH 2110 - Medical Office Transcription

Total Credits = Cr: 3
Lecture = Lec: 3

This course covers principles of medical transcription along with practical application and usage of medical forms, reports and case studies with integrated medical terminology and medical keyboarding. Students may participate in selected clinical sites as part of this course, if available.

Prerequisites: BOTH 1300 and KYBD 1111

Total: 24 hrs./ 390 clock hrs.

Legal Office Concentration

The TCA - General Clerk PLUS the following courses comprise the Legal Office Concentration

CTS - Legal Office Specialist

ACCT 1100 - Principles Of Accounting Part I

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers fundamental principles of double-entry accounting, with emphasis on journalizing, posting, and the preparation of financial statements; also accounting for cash and work at close of the fiscal period using the cash basis for a service enterprise. Recommend completion of or placement out of developmental coursework.

ACCT 1200 - Principles Of Accounting, Part II
This course covers fundamental accounting principles relating to sales and receipts, purchases and payments, cash, and payroll; accrual accounting for a merchandising business including the periodic summary, adjustments, and end-of-period closing procedures.

**Prerequisites:** ACCT 1100

### BUSM 1050 - Business Math

This course is a study of various business-related mathematical processes, principles, and techniques used to solve business problems on the electronic calculator.

**Prerequisites:** Satisfactory completion of all required Developmental Education Math courses.

- BUSI 1000 - Business Law 3 hrs./45 clock hrs.

### BUSE 1045 - Business Communication

This course is a study of concepts and methods of business communication.

**Prerequisites:** Satisfactory completion of all required Developmental Education English/Writing courses and BUSE 1030 and KYBD 1111

- BOTL 1300 - Legal Terminology 3 hrs./45 clock hrs.
- BOTL 2110 - Legal Terminology 3 hrs./45 clock hrs.

Total: 34 hrs./615 clock hrs.

### TD - Business Office Technology (Legal Office Concentration)

### CPTR 1320 - Spreadsheets

**Total Credits = Cr: 3**

Lecture = Lec: 1 / Laboratory = Lab: 2
This course focuses on the basic fundamentals of producing spreadsheets and graphs.

**Prerequisites:** CPTR 1002

**ACCT 1500 - Computerized Accounting**

**Total Credits = Cr: 3**  
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers basic accounting principles utilizing the application of a computerized accounting package which includes setting up the accounting system, recording routine transactions, preparing financial statements, and completing the year-end operations.

**Prerequisites:** ACCT 1200 **concurrent enrollment in ACCT 1200 is acceptable**

**BOTH 1210 - Administrative Procedures For Medical Offices**

**Total Credits = Cr: 3**  
Lecture = Lec: 3

This course is a discussion of the components of effective client/staff communication, both verbal and nonverbal. Beginning front office activities in a medical office such as scheduling, insurance, billing, using and maintaining office equipment, legal and ethical issues in the medical office, maintaining patient records, and patient/client education methods are covered. Practical application activities are integrated throughout this course.

**JOBS 2450 - Job Seeking Skills**

**Total Credits = Cr: 2**  
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

**Prerequisites:** None

Total: 45 hrs./ 825 clock hrs.
Additional Exit Points:

TCA - Call Center Representative

ORNT 1000 - Freshman Seminar

Total Credits = Cr. 1
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

BUSE 1030 - Business English

Total Credits = Cr: 3
Lecture = Lec: 3

This course is a concentrated and intensive study of English grammar and usage as applied to business documents and applications.

Prerequisites: Satisfactory completion of all required Developmental Education English/Writing courses.

BUSE 1045 - Business Communication

Total Credits = Cr: 3
Lecture = Lec: 3

This course is a study of concepts and methods of business communication.

Prerequisites: Satisfactory completion of all required Developmental Education English/Writing courses and BUSE 1030 and KYBD 1111

CSRV 1000 - Customer Service

Total Credits = Cr: 3
Lecture = Lec: 3
This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

**Prerequisites:** Consent of Instructor
- CCRV 1000 - Telephone Sales & Skills 3 hrs./ 45 clock hrs.
- CCRV 1100 - Call Center Procedures 3 hrs./ 45 clock hrs.

**JOBS 2450 - Job Seeking Skills**

**Total Credits = Cr: 2**
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

**Prerequisites:** None

Total: 18 hrs./ 270 clock hrs.

**TCA - Human Resource Specialist**

**ORNT 1000 - Freshman Seminar**

**Total Credits = Cr. 1**
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

**KYBD 1111 - Introduction To Formatting**

**Total Credits = Cr: 3**
This course covers continued development and application of introductory to intermediate keyboarding techniques combined with basic word processing techniques and functions. Emphasis is also placed on an increase in speed, accuracy, and correct keyboarding techniques.

**Prerequisites:** CPTR 1002 AND KYBD 1010
- HURM 1000 - Employment Law & Regulations 3 hrs./ 45 clock hrs
- HURM 1200 - Recruiting, Selecting & Personnel Planning 3 hrs./ 45 clock hrs.
- HURM 1300 - Compensation & Benefits 3 hrs./ 45 clock hrs.

**JOBS 2450 - Job Seeking Skills**

**Total Credits = Cr: 2**
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

**Prerequisites:** None

Total: 18 hrs./ 300 clock hrs.

**TCA - Bank Teller**

**ORNT 1000 - Freshman Seminar**

**Total Credits = Cr. 1**
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

**BUSM 1050 - Business Math**
A study of various business-related mathematical processes, principles, and techniques used to solve business problems on the electronic calculator.

Prerequisites: Satisfactory completion of all required Developmental Education Math courses.
- BTEL 1000 - Bank Teller Procedures 3 hrs./ 45 clock hrs.

**CSRV 1000 - Customer Service**

This course is intended to help participants' progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

Prerequisites: Consent of Instructor

**ACCT 1100 - Principles Of Accounting Part I**

This course covers fundamental principles of double-entry accounting, with emphasis on journalizing, posting, and the preparation of financial statements; also accounting for cash and work at close of the fiscal period using the cash basis for a service enterprise. Recommend completion of or placement out of developmental coursework.

**JOBS 2450 - Job Seeking Skills**

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 15 hrs./ 270 clock hrs.
AAS - Business Office Administration

Any TD concentration PLUS the following courses

**ENGL 1015 - English Composition I**

Total Credits = Cr: 3  
Lecture = Lec: 3

The study of the basic rhetorical modes of English composition with emphasis on prewriting, writing, and revising techniques utilizing correct English grammar, usage, and punctuation. Prerequisites: English score of at least 20 on the Enhanced ACT, successful completion of Developmental English, or permission of the campus CAO.

**MATH 1015 - College Algebra**

Total Credits = Cr: 3  
Lecture = Lec: 3

Linear and quadratic equations and inequalities, radical and rational equations, complex numbers, graphing, functions, exponential and logarithmic functions, polynomial equations, systems of linear equations and inequalities.

Prerequisites: Math score of at least 21 on the Enhanced ACT, successful completion of Developmental Math, or permission of the campus CAO

**PSYC 2015 - Introduction To Psychology**

Total Credits = Cr: 3  
Lecture = Lec: 3

An overview of psychology designed to expose students to the major theories, research practices, and applied areas of psychology.

**PHSC 1015 - Physical Science I**

Total Credits = Cr: 3  
Lecture = Lec: 3

Introductory study of topics in physical science including motion, energy, temperature, light and sound, electricity, and atomic structure.

**SPCH 1015 - Introduction To Public Speaking**
Total Credits = Cr: 3
Lecture = Lec: 3;

Designed to teach students basic public presentation principles and skills. Students complete one speech each of personal introduction, information, persuasion, demonstration, and special occasion (influential person).

Total: 60 hrs./ 1,095 clock hrs.

May Be Substituted:

With approval from the Chief Academic Officer/designee, the following courses may be substituted for course requirements.

- SPPR 2991 - Special Projects I 1 hr./ 30 clock hrs.
- SPPR 2993 - Special Projects II 2 hrs./ 60 clock hrs.
- SPPR 2995 - Special Projects III 3 hrs./ 90 clock hrs.
- SPPR 2996 - Special Projects IV 3 hrs./ 45 clock hrs.
- SPPR 2998 - Special Projects V 1 hr./ 15 clock hrs.
- SPPR 2997 - Practicum 3 hrs./ 135 clock hrs.
- SPPR 2999 - Cooperative Education 3 hrs./ 135 clock hrs.

Business Track, A.A.L.T.

Care and Development of Young Children, A.A.S.

The Associate of Applied Science in Care and Development of Young Children is designed as a degree program to meet the needs of those pursuing a career in early childhood development and the new guidelines established by the United States Department of Education as a part of the No Child Left Behind (NCLB) legislation. To be awarded this degree, students must have a cumulative GPA of 2.00 or better in all credits toward the degree and complete the following course work:

Program of Study

Core Courses

CDYC 101 - Foundations Of Early Childhood Development

Total Credits = Cr. 3
Lecture = Lec. 3
Overview of Early Childhood Education, including personal and professional growth and development, learning theories, ethical standards, and current issues and trends in Early Childhood Education.

**CDYC 103 - The Learning Environment**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course introduces concepts, policies and procedures necessary to create and maintain a safe and healthy learning environment for young children.

**CDYC 165 - Language & Literacy In Early Childhood**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course introduces students to the developmental stages and theories of language and promotes an understanding of individual and cultural differences in language. Actual methods and developmentally appropriate practices are discussed, demonstrated and practiced.

**CDYC 211 - Child Guidance**

Total Credits = Cr. 3  
Lecture = Lec. 3

Positive guidance, discipline and behavior management techniques are learned skills that create competent, effective early childhood educators. Many educators leave the field because they lack knowledge and skills in positive guidance. This course will not only give students a background in discipline techniques but will also provide limited practical experiences with children and caregivers.

**CDYC 240 - Observation And Participation**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course presents an overview of child development with several varied methods of observing and assessing development in an actual child care setting.

Prerequisites: CDYC 101 and permission of instructor.

**CDYC 273 - Developmental Curriculum And Materials In Early Childhood**
Planning and implementing developmentally appropriate curriculum and materials for young children; required knowledge and skills in curriculum content area and in developmentally appropriate practice.

**Prerequisites:** CDYC 101

### CDYC 298 - Practica In Early Childhood Development

**Total Credits = Cr. 6**
Lecture = Lec 1 / Laboratory = Lab. 18

Supervised work experience in an approved early childhood setting.

**Prerequisites:** All CDYC courses with a grade of “C” or better, a candidate for graduation, and permission of instructor.
- CDYC Electives 6 hrs.

Total: 30 hours

### General Education Courses (GER)

#### ENGL 101 - English Composition I

**Total Credits = Cr. 3**
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

**Prerequisites:** ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

#### ENGL 102 - English Composition

**Total Credits = Cr. 3**
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

**Prerequisites:** ENGL 101 with a grade of “C” or higher.
MATH 110 - College Algebra

Total Credits = Cr. 3
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.
- Natural Science 3 hrs.
- Fine Arts 3 hrs.
- Humanities 3 hrs.
- Social/Behavioral Science*** 3 hrs.

Total: 21 hours

Required Related Courses

CINS 101 - Introduction To Computers

Total Credits = Cr. 3
Lecture = Lec. 3

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.

ACSE 100 - Academic Seminar

Total Credits = Cr. 1
Lecture = Lec. 1

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average. Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.

SPCM 120 - Intro To Public Speaking
Total Credits = Cr. 3
Lecture = Lec. 3;

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

**PSYC 225 - Child Psychology**

Total Credits = Cr. 3
Lecture = Lec. 3;

Physical, intellectual, social and emotional factors in child growth and development.

*Prerequisites:* PSYC 201.

**PSYC 226 - Developmental Psychology**

Total Credits = Cr. 3
Lecture = Lec. 3;

Physical, psychological, and social aspects of the individual from conception to death. Cultural, social, and hereditary factors that affect the individual’s behavior throughout the life cycle.

*Prerequisites:* PSYC 201 with a “C” or higher.

**HSCI 102 - Community First Aid With CPR**

Total Credits = Cr. 1
Lecture = Lec. 1

Basic first aid with CPR course.

Total: 11 hours

Total Hours: 62 Credit Hours

Note(s):
Psychology 201 required as Social/Behavioral Science General Education Requirement.

Associate of Applied Science in Care and Development of Young Children

First Semester

ACSE 100 - Academic Seminar

Total Credits = Cr. 1
Lecture = Lec. 1

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average. Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.

ENGL 101 - English Composition I

Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

CDYC 101 - Foundations Of Early Childhood Development

Total Credits = Cr. 3
Lecture = Lec. 3

Overview of Early Childhood Education, including personal and professional growth and development, learning theories, ethical standards, and current issues and trends in Early Childhood Education.

MATH 110 - College Algebra

Total Credits = Cr. 3
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.
Prerequisites: Placement based on placement survey of ACT score.

**PSYC 201 - Introduction To Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;  
A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

**CDYC 103 - The Learning Environment**

Total Credits = Cr. 3  
Lecture = Lec. 3  
This course introduces concepts, policies and procedures necessary to create and maintain a safe and healthy learning environment for young children.

Total: 16 hours

**Second Semester**

**ENGL 102 - English Composition**

Total Credits = Cr. 3  
Lecture = Lec. 3  
Students will master the principles of researched writing and complete an accurately documented research paper.

Prerequisites: ENGL 101 with a grade of “C” or higher.
- Natural Science 3 hrs.
- Speech 120 3 hrs. or
- Speech 110 3 hrs.

**CDYC 211 - Child Guidance**

Total Credits = Cr. 3  
Lecture = Lec. 3
Positive guidance, discipline and behavior management techniques are learned skills that create competent, effective early childhood educators. Many educators leave the field because they lack knowledge and skills in positive guidance. This course will not only give students a background in discipline techniques but will also provide limited practical experiences with children and caregivers.

**CDYC 165 - Language & Literacy In Early Childhood**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course introduces students to the developmental stages and theories of language and promotes an understanding of individual and cultural differences in language. Actual methods and developmentally appropriate practices are discussed, demonstrated and practiced.

Total: 15 hours

**Third Semester**

**PSYC 226 - Developmental Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Physical, psychological, and social aspects of the individual from conception to death. Cultural, social, and hereditary factors that affect the individual’s behavior throughout the life cycle.

Prerequisites: PSYC 201 with a “C” or higher.

**CDYC 240 - Observation And Participation**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course presents an overview of child development with several varied methods of observing and assessing development in an actual child care setting.

Prerequisites: CDYC 101 and permission of instructor.

**CDYC 273 - Developmental Curriculum And Materials In Early Childhood**
Planning and implementing developmentally appropriate curriculum and materials for young children; required knowledge and skills in curriculum content area and in developmentally appropriate practice.

**Prerequisites:** CDYC 101

**HSCI 102 - Community First Aid With CPR**

**Total Credits = Cr. 1**
**Lecture = Lec. 1**

Basic first aid with CPR course.
- CDYC Elective^ 3 hrs.

**CINS 101 - Introduction To Computers**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.

**Total: 16 hours**

**Fourth Semester**

- Fine Arts † 3 hrs.
- CDYC Elective ^ 3 hrs.

**CDYC 298 - Practica In Early Childhood Development**

**Total Credits = Cr. 6**
**Lecture = Lec 1 / Laboratory = Lab. 18**

Supervised work experience in an approved early childhood setting.
**Prerequisites:** All CDYC courses with a grade of “C” or better, a candidate for graduation, and permission of instructor.
- Humanities Elective‡ 3 hrs.

Total: 15 hours

Total Hours: 62 Credit Hours

**Note(s):**

‡Humanities Elective: ENGL Literature courses, HIST, HUMN and PHIL
†Fine Arts Elective: ARTS, MUSC, THEA
^CDYC Elective must be approved by the student’s advisor and may be taken from the following: CDYC or EDUC
* Students placing in any 095 developmental courses OR two or more developmental courses are required to take Academic Skills Seminar
  – ACSE 101, 3 credit hours.

**Care and Development of Young Children, C.T.S.**

**First Semester**

**ENGL 101 - English Composition I**

Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

**Prerequisites:** ENGL 99 or by ACT of 18 or higher or placement diagnostic test.
- Fine Arts† 3 hrs.

**CDYC 101 - Foundations Of Early Childhood Development**
Overview of Early Childhood Education, including personal and professional growth and development, learning theories, ethical standards, and current issues and trends in Early Childhood Education.

**CDYC 103 - The Learning Environment**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course introduces concepts, policies and procedures necessary to create and maintain a safe and healthy learning environment for young children.

- Selected Elective‡ 3 hrs.

Total: 15 hours

**Second Semester**

**PSYC 201 - Introduction To Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

**CDYC 165 - Language & Literacy In Early Childhood**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course introduces students to the developmental stages and theories of language and promotes an understanding of individual and cultural differences in language. Actual methods and developmentally appropriate practices are discussed, demonstrated and practiced.

**CDYC 211 - Child Guidance**
Positive guidance, discipline and behavior management techniques are learned skills that create competent, effective early childhood educators. Many educators leave the field because they lack knowledge and skills in positive guidance. This course will not only give students a background in discipline techniques but will also provide limited practical experiences with children and caregivers.

- CDYC Elective^ 3 hrs.
- Selected Elective‡ 3 hrs.

Total: 15 hours

Total Hours: 30 Credit Hours

Note(s):

†Fine Arts Elective: ARTS, MUSC, THEA

*New course

‡Selected Elective must be approved by the student’s advisor and may be taken from any of the following: BUSN, CINS, CDYC, SOCL, SPCM, ARTS, MUSC, THEA

^CDYC Elective must be approved by the student’s advisor and may be taken from the following: CDYC or EDUC

**Care and Development of Young Children, T.C.A**

**Required Courses**

**CDYC 101 - Foundations Of Early Childhood Development**

Total Credits = Cr. 3
Lecture = Lec. 3

Overview of Early Childhood Education, including personal and professional growth and development, learning theories, ethical standards, and current issues and trends in Early Childhood Education.

**CDYC 103 - The Learning Environment**
This course introduces concepts, policies and procedures necessary to create and maintain a safe and healthy learning environment for young children.

**CDYC 211 - Child Guidance**

This course introduces concepts, policies and procedures necessary to create and maintain a safe and healthy learning environment for young children.

**Total Hours: 9 Credit Hours**

**Care and Development of Young Children, T.D.**

**Program Type:** Technical Diploma (TD)  
**Program Length:** 60 Credit Hours/1410 Clock Hours

**Program Description**

The Care and Development of Young Children program prepares individuals for various levels of employment in child care centers, nursery schools, recreation centers, public school settings, head start programs, or other areas where caring for young children is the principal function. This program focuses on cognitive, physical, emotional, and social growth and development. Developmentally appropriate play activities, curriculum, nutrition, guidance, health/safety, children with special needs, and approaches for teaching as suggested by the National Association for the Education of Young Children (NAEYC) are included.

**Care and Development of Young Children Course Listing Course**

**TCA - Basic Caregiver I**

- **CDYC 1110 - Introduction to Care and Development of Young Children** 3 hrs./45 clock hrs.

**Total:** 3 hrs./45 clock hrs.
TCA – Basic Caregiver II

ORNT 1000 - Freshman Seminar

Total Credits = Cr. 1
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

- CDYC 1120 - Child Health, First Aid and Safety 2 hrs. / 45 clock hrs.
- CDYC 1130 - Child Guidance and Behaviors 3 hrs. / 45 clock hrs.
- CYDC 1151 - Observation/Participation Lab/Work Based Learning 3 hrs. / 135 clock hrs.

Total: 9 hrs. / 240 clock hrs.

CTS - Child Care Teacher

(Includes TCA-Basic Caregiver I & II and TCA-Basic Infant/Toddler Caregiver)

- CYDC 1210 - Infant/Toddler Growth and Development 3 hrs. / 45 clock hrs.
- CDYC 1220 - Infant/Toddler Care and Curriculum 3 hrs. / 45 clock hrs.
- CDYC 1241 - Infant/Toddler Lab/Work Based Learning 3 hrs. / 135 clock hrs.
- CDYC 1140 - Nutrition for Children 3 hrs. / 45 clock hrs.
- TCA – Basic Infant/Toddler Caregiver 12 hrs. / 270 clock hrs.

Total: 24 hrs. / 555 clock hrs.

TCA - Basic Preschool Caregiver

- CDYC 1310 - Preschool Growth and Development 2 hrs. / 30 clock hrs.
- CDYC 1320 - Preschool Curriculum 3 hrs. / 45 clock hrs.
- CDYC 1341 - Preschool Lab/Work Based Learning 3 hrs. / 135 clock hrs.
- CDYC 1410 - Children With Special Needs/Lab 3 hrs. / 60 clock hrs.

Total: 11 hrs. / 270 clock hrs.
CTS - Child Care Teacher II

(Includes TCA-Basic Preschool Caregiver and TCA-Basic Preschool Teacher)

- CDYC 1330 - Literature/Language Methods 3 hrs./45 clock hrs.
- CDYC 1332 - Math/Science Methods 3 hrs./45 clock hrs.
- CDYC 1333 - Social Studies/The Arts Methods 3 hrs./45 clock hrs.
- TCA – Basic Preschool Teacher 9 hrs./135 clock hours

Total: 20 hrs./405 clock hrs.

TCA - Care and Development Specialist

- CDYC 1420 - Organization and Administration of Care and Development of Young Children/Lab 3 hrs./60 clock hrs.
- CDYC 2211 - Practicum in Care and Development of Young Children 6 hrs./270 clock hrs.
- CDYC 1230 - Family Relationships and Issues 3 hrs./45 clock hrs.

Total: 12 hrs./375 clock hrs.

TD - Care and Development of Young Children

CPRTR 1000 - Introduction To Computers

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introductory study of computer system components, operating system environments, Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

Prerequisites: None

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future
decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 60 hrs./ 1410 clock hrs.

Certificate of General Studies, C.G.S.

The Certificate of General Studies (CGS) is designed to provide a foundation of fundamental academic skills in English, math, natural science, arts, humanities, and social and behavioral sciences. The CGS allows students to explore career opportunities and prepare for collegiate studies. The curriculum also provides students with general skills that will enhance employment opportunities. The flexible CGS framework allows students that plan to transfer to other two-year and four-year colleges and universities to select courses which will meet admission requirements or programmatic requirements at receiving institutions. Louisiana universities with selective admission require the completion of between 12-24 credit hours of college-level coursework.

The CGS curriculum consists of 30 credit hours of freshman-level courses. The courses will fulfill general education requirements at most two-year and four-year institutions in Louisiana and the nation. Eight courses (24 credit hours) are to be selected from courses listed on the Louisiana Board of Regents General Education Matrix, which assures transferability to other colleges and universities in the state of Louisiana.

Program of Study: Certificate of General Studies

General Education Requirements

- Mathematics (College Algebra) 3 hrs.
- Fine Arts 3 hrs.
- Humanities 3 hrs.
- Natural Science 3 hrs.
- Social/Behavioral Science 3 hrs.

English Composition

ENGL 101 - English Composition I

Total Credits = Cr. 3
Lecture = Lec. 3
Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

ENGL 102 - English Composition

Total Credits = Cr. 3
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

Prerequisites: ENGL 101 with a grade of “C” or higher.

General Education Elective

- Humanities, Mathematics, Natural Science 3 hrs. or
- Behavioral/Social Science

Certificate Elective Area of Choice

- Two 3-credit hour courses 6 hrs.

Total Hours: 30 Credit Hours

Childcare Administration, T.C.A

Required Courses

CDYC 101 - Foundations Of Early Childhood Development

Total Credits = Cr. 3
Lecture = Lec. 3

Overview of Early Childhood Education, including personal and professional growth and development, learning theories, ethical standards, and current issues and trends in Early Childhood Education.
CDYC 280 - Administration Of Early Childhood Programs

Total Credits = Cr. 3  
Lecture = Lec. 3  

An overview of administrative responsibilities in CDYC. Examines professionalism, budget, personnel decisions, philosophy and curriculum development, evaluation tools, development of staff and parent handbooks, state and local regulations and parental involvement.

Prerequisites: CDYC 101

BUSN 190 - Small Business Management

Total Credits = Cr: 3  
Lecture = Lec: 3

Introduction to the initial market research, financing, location and management of a small business firm. Emphasis will be placed on methods and procedures used in the successful establishment and operation of franchised or non-franchised firms.

Total Hours: 9 Credit Hours

Commercial Vehicle Operations, T.C.A.

Program Type: Technical Competency Area (TCA)  
Program Length: 10 Credit Hours/240 Clock Hours

Program Description

The purpose of this program is to prepare individuals for employment as professional tractor-trailer drivers. The program is a short-term training course designed to prepare students to enter the truck driving industry. The program content includes instruction in operating diesel powered tractor trailer rigs, identifying common vehicle components, defensive driving skills, actual driving on rural, urban and interstate highways, handling cargo, backing and maneuvering tractor trailers, documentation and verification of loads, logging and the performance of vehicle inspections.

Commercial Vehicle Operations Course Listing

TCA - Commercial Vehicle Operator

- CTDP 1110 - Introduction to Commercial Vehicle Operation 3 hrs./ 45 clock hrs
- CDPT 1120 - Federal Motor Carrier Safety Regulations 2 hrs./ 30 clock hrs.
- CTDP 1131 - Commercial Vehicle Inspections 1 hrs./ 30 clock hrs.
CTDP 1140 - Commercial Vehicle Basic Skills 2 hrs./ 45 clock hrs.
CTDP 1211 - Commercial Vehicle Operations I 2 hrs./ 90 clock hrs.

Total: 10 hrs./ 240 clock hrs.

Optional Elective:

CSRV 1000 - Customer Service

Total Credits = Cr: 3
Lecture = Lec: 3

This course is intended to help participants' progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

Prerequisites: Consent of Instructor

Computer Numerical Control Specialist, C.T.S.

Program Type: Certificate of Technical Studies (CTS)
Program Length: 31 Credit Hours/630 Clock Hours

Program Description

The Certificate of Technical Studies in CNC Specialist involves two distinct components: (1) Technical Competency Area (TCA) ñ Certified Manufacturing Specialist (CMS), (2) Technical Competency Area (TCA) ñ Computer Numerical Controlled Machining (CNC). The CMS TCA produces skilled employees for manufacturing industries. Skills taught have been derived from typical business requirements for existing manufacturing employees and those entering the workforce. The CNC TCA prepares individuals to shape metal parts on Computer Numerical Controlled (CNC) machines programmed as lathes and milling machines.

CNC Operator Course Listing

TCA - Certified Manufacturing Specialist

ORNT 1000 - Freshman Seminar

Total Credits = Cr. 1
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

- CNCS 1000 - Manufacturing Organizational Principles 2 hrs./30 clock hrs.
- CNCS 1010 - Manufacturing Workforce Skills 2 hrs./30 clock hrs.
- CNCS 1020 - Manufacturing Production Requirements 2 hrs./30 clock hrs.
- CNCS 1030 - Automated Manufacturing Skills 2 hrs./30 clock hrs.
- CNCS 1040 - Representative Manufacturing Skills 2 hrs./45 clock hrs.

Total: 11 hrs./180 clock hrs.

TCA - CNC Operator

- CNCS 1100 - Introduction to CNC Machining 3 hrs./75 clock hrs.
- CNCS 1110 - Blueprint Reading for CNC Machinists 3 hrs./60 clock hrs.
- CNCS 1120 - Introduction to CNC Machine Tooling 2 hrs./45 clock hrs.
- CNCS 1130 - G & M Code Programming 2 hrs./45 clock hrs.
- CNCS 1140 - CNC Forming and Shaping 2 hrs./45 clock hrs.
- CNCS 1150 - CNC Mill Operations 3 hrs./75 clock hrs.
- CNCS 1160 - CNC Lathe Operations 3 hrs./75 clock hrs.

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 20 hrs./450 clock hrs.
CTS - CNC Operator

CSRV 1000 - Customer Service

Total Credits = Cr: 3
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

Prerequisites: Consent of Instructor

- CNCS 2991 - Special Projects I 1 hr./ 30 clock hrs.
- CNCS 2993 - Special Projects II 2 hrs./ 60 clock hrs.
- CNCS 2995 - Special Projects III 3 hrs./ 90 clock hrs.
- CNCS 2996 - Special Projects IV 3 hrs./ 45 clock hrs.
- CNCS 2997 - Special Projects V 1 hr./ 15 clock hrs.

Total: 31 hrs./ 630 clock hrs.

Diesel Powered Equipment Technology, T.D.

Program Type: Technical Diploma (TD)
Program Length: 60 Credit Hours/1815

Program Description

To provide specialized classroom instruction and practical shop experience to prepare individuals to engage in the servicing and maintenance of all types of automobiles at the entry level. To prepare individuals to select, safety use, and maintain hand and power tools, jacks, and hoisting equipment. Instructions in the diagnostics of malfunctions and the repair of engines; fuel, electrical, cooling, HVAC systems, and brake systems, drive train and suspension systems included.

Diesel Powered Equipment Technology

TCA - Air Condition Technician

ORNT 1000 - Freshman Seminar
This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

**DPET 1120 - Safety Skills & Introduction To Diesel**

Total Credits = Cr. 4  
Lecture = Lec. 2 / Laboratory = Lab 2

Basic safety information needed to prepare individuals entering the workforce with an introduction to the occupation of diesel powered equipment technology, safety, tools, test equipment, fasteners, bearings, and seals. Laboratory work requires using tools and fasteners.

**DPET 2220 - Air Conditioning**

Total Credits = Cr. 4  
Lecture = Lec. 2 / Laboratory = Lab 2

This course covers the physical and chemical laws governing the principles of refrigeration. The basic cycle and components will be covered. Applications will include alternate refrigerants, transferring, evacuation and system reprocessing.

Total: 8 hrs./ 240 clock hrs.

**TCA - Steering and Suspension**

**DPET 2140 - Fundamentals Of Steering**

Total Credits = Cr. 3  
Lecture = Lec. 1 / Laboratory = Lab 2

The course contains the theory of operation and service procedures for medium/heavy duty truck steering systems.

**DPET 2210 - Fundamentals Of Suspension**
The course includes the theory of operation and service procedures for medium/heavy duty truck suspension systems.

Total: 10 hrs./ 390 clock hrs.

TCA - Brakes

DPET 2110 - Basic Hydraulics

Total Credits = Cr: 2
Lecture = Lec: 1 / Laboratory = Lab: 1

This course includes the principles of basic hydraulic systems and general maintenance procedures of a hydraulic system. Also included are the disassembly and assembly of hydraulic components and the application of safety rules and regulations.

Total: 10 hrs./ 600 clock hrs.

TCA - Diesel Engine Technician Apprentice

DPET 1130 - Diesel Engine Parts Identification & Operating Principles

Total Credits = Cr: 4
Lecture = Lec: 2 / Laboratory = Lab 2

This course is an introduction to the design and construction of diesel engines and identification of diesel engine parts.
DPET 1140 - Engines I

Total Credits = Cr. 3
Lecture = Lec. 1 / Laboratory = Lab 2

The course will include disassembly, inspection and evaluation, repair and reassembly of engines.

Total: 11 hrs.

TCA - Drive Train Technician

DPET 1310 - Introduction To Power Trains

Total Credits = Cr: 2
Lecture = Lec: 1 / Laboratory = Lab: 1

This course includes the theory of operation and application of various mechanical gearing components.

DPET 1320 - Transmissions

Total Credits = Cr: 3
Lecture = Lec: 1 / Laboratory = Lab: 2

The course includes a detailed study of the function, construction, operation and servicing of automatic and manual transmissions.

DPET 1330 - Differentials

Total Credits = Cr: 3
Lecture = Lec: 1 / Laboratory = Lab: 2

This course includes identifying the parts of driver lines and differentials for medium/heavy duty trucks and heavy equipment. Live work will be a part of this course.

Total: 12 hrs./ 1065 clock hrs.
CTS - Diesel Engine Technician

DPET 1310 - Introduction To Power Trains

Total Credits = Cr: 2
Lecture = Lec: 1 / Laboratory = Lab: 1

This course includes the theory of operation and application of various mechanical gearing components.

DPET 1320 - Transmissions

Total Credits = Cr: 3
Lecture = Lec: 1 / Laboratory = Lab: 2

The course includes a detailed study of the function, construction, operation and servicing of automatic and manual transmissions.

DPET 1330 - Differentials

Total Credits = Cr: 3
Lecture = Lec: 1 / Laboratory = Lab: 2

This course includes identifying the parts of driver lines and differentials for medium/heavy duty trucks and heavy equipment. Live work will be a part of this course.

DPET 1130 - Diesel Engine Parts Identification & Operating Principles

Total Credits = Cr. 4
Lecture = Lec. 2 / Laboratory = Lab 2

This course is an introduction to the design and construction of diesel engines and identification of diesel engine parts.

DPET 1140 - Engines I

Total Credits = Cr. 3
Lecture = Lec . 1 / Laboratory = Lab 2

The course will include disassembly, inspection and evaluation, repair and reassembly of engines.
**DPET 1141 - Engines II**

Total Credits = Cr.
Lecture = Lec. 1 / Laboratory = Lab 2

The course will include disassembly, inspection and evaluation, repair and reassembly of engines.

**DPET 1240 - Diesel Engine Fuel Systems**

Total Credits = Cr: 3
Lecture = Lec: 1 / Laboratory = Lab: 2

This course will include the identity of type and functions of fuel injectors, nozzles, and unit injectors; troubleshooting, replacing injectors and nozzles, the identity of types, parts, functions, operation, and uses of various fuel injection pumps, electronic metering systems and electronic unit injectors.

**CPT 1002 - Computer Literacy And Applications**

(**PREVIOUSLY KNOWN AS CPT 1000)**

Total Credits = Cr: 3
Lecture = Lec: 3

This course is an introductory study and application of computer system components and operating system environments. Internet concepts, electronic mail, and core components of word processing, database management, spreadsheets, and presentation software will also be addressed.

**DPET 1210 - Basic Diesel Electrical Systems**

Total Credits = Cr: 4
Lecture = Lec: 2 / Laboratory = Lab: 2

This course will include electrical safety practices; tool use; connecting and disconnecting techniques; direct current symbols, components, and schematics; principles of DC voltage and current; Ohm’s Law; and troubleshoot, repair, and calibrate electrical/electronic systems.

**DPET 1220 - Advanced Diesel Electrical Systems**

Total Credits = Cr: 3
Lecture = Lec: 1 / Laboratory = Lab: 2
This course will include the study of DC resistance and conductors, principles of DC circuits, fundamentals of alternating current and semiconductors, basic electronic circuits, and digital electronics.

**DPET 1231 - Diesel Engine Control Systems**

**Total Credits = Cr: 2**  
Lecture = Lec: 1 / Laboratory = Lab: 1

This course includes identification and functions of vehicle computer control systems.

**DPET 1150 - General Engine Diagnosis**

**Total Credits = Cr: 3**  
Lecture = Lec: 1 / Laboratory = Lab 2

The course will include performance of preventive maintenance on diesel engines, diagnosis of engine malfunctions, performance of tune-ups using related service manuals and test equipment.

Total: 32 hrs./ 1905 clock hrs.

**TD - Diesel Powered Equip Technician**

**DPET 2240 - Diesel Preventive Maintenance**

**Total Credits = Cr: 3**  
Lecture = Lec: 1 / Laboratory = Lab: 2

The course includes the importance of preventive maintenance, types of preventive maintenance, types of preventive maintenance inspection, vehicle overview, and the knowledge and use of specialty tools.

**JOBS 2450 - Job Seeking Skills**

**Total Credits = Cr: 2**  
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work
Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

**Prerequisites:** None

**Total:** 60 hrs./ 2040 clock hrs.

**May Be Substituted:**

With approval from the Chief Academic Officer the following courses may be substituted for any of the above course requirements.

- **DPET 2991 - Special Projects I** 1 hrs./30 clock hrs.

**DPET 2993 - Special Projects II**

**Total Credits = Cr:** 2

/ Laboratory = Lab: 2

A course designed for the student who has demonstrated specific special needs.

**DPET 2995 - Special Projects III**

**Total Credits = Cr:** 3

/ Laboratory = Lab: 3

A course designed for the student who has demonstrated specific special needs.

**DPET 2996 - Special Projects IV**

**Total Credits = Cr:** 3

Lecture = Lec: 3

A course designed for the student who has demonstrated specific special needs.

**DPET 2999 - Cooperative Education**

**Total Credits = Cr:** 3

Lecture = Lec: 3
Cooperative Education provides supervised on-the-job work experience related to the student’s educational objectives. Students participating in Cooperative Education receive compensation for their work.

**DPET 1251 - Alternative Fuel Systems**

Total Credits = Cr: 2  
Lecture = Lec: 1 / Laboratory = Lab: 1

This course includes an introduction to various fuel systems, components, and their functions and the proper storage, identification and grading of fuels.

**DPET 2120 - Advanced Hydraulics**

Total Credits = Cr: 3  
Lecture = Lec: 1 / Laboratory = Lab: 2

The course includes principles of advanced hydraulic system, troubleshooting and application of open-centered and closed-centered systems, close-centered load sensing, variable displacement pump, positive displacement pump, hydrostatic systems, and electro-hydraulic systems.

**DPET 2231 - Welding**

Total Credits = Cr: 2  
Lecture = Lec: 1 / Laboratory = Lab: 1

The course includes practical experience in the use of oxyacetylene and shielded arc welding of steel plate in the flat position and an introduction of oxyacetylene/cutting procedures is also included.

**Direct Support Professionals, T.C.A.**

Louisiana Delta Community College offers a Technical Competency Area (TCA) for Direct Support Professionals (DSP). The DSP provides guidance and support to persons with disabilities who need help to be self-sufficient and to participate fully in family, work, community and social life. DSPs are found in many different work settings and have a variety of job titles including personal care assistant, supported living companion, respite care worker, and job coach/employment specialist.

**Direct Support Professionals Program of Study**

**HSCI 101 - First Aid & CPR/AED**

Total Credits = Cr. 3
A comprehensive first aid course with CPR and AED (Automated External Defibrillator) designed for health care providers. The course is a traditional lecture with hands-on practical experience. The CPR/AED portion will be video-based. Participants may receive certification through American Heart Association. Course also includes presentation of topics on blood borne pathogens, protective equipment, fire/chemical/radiation safety, and confidentiality issues.

**HEHS 101 - Intro Direct Support Profession**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

Course includes the history of disability movement, legislative history, values and philosophy, Louisiana’s service system, professional knowledge and behavior. This course will enhance professional awareness and knowledge of issues related to the Direct Support Profession.

**HEHS 102 - Fundamentals Of Communication & Advocacy**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

includes communication devices, problem solving, NADSP Code of Ethics, professional terms and acronyms, communication devices, communicating with families, overview of developmental disabilities.

**HEHS 103 - Teaching People With Disabilities**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

Course covers teaching modalities to enhance the learning process for people with developmental disabilities. Topics include self determination, team process, consumer assessment, systematic skill instruction, developing functional goals and objectives, prompting hierarchy, least intrusive prompts, graduated guidance, time delay, positive reinforcement, increasing productivity, developing adaptations, assistive technology, positive behavioral supports, and data collection.

**HEHS 104 - Developing, Implementing, & Evaluating Individualized Supports**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

Covers teaching modalities to enhance the learning process for people with developmental disabilities. Topics include principles of person-centered planning, person-centered approaches and outcomes, person-centered values and philosophies, comparison of person-centered supports vs. system-centered services, mapping process, meeting process, DSP roles, individualized supports, individualized service plans, writing goals and objectives, functional application of person-centered information, and individualized person-centered documentation.
HSCI 104 - Basic Care Skills

Total Credits = Cr. 1
Lecture = Lec. 1 / Laboratory = Lab 1

This course is an introduction to basic care principles and skills. The course includes lectures and skills lab in proper body mechanics, lifting, moving, positioning; measuring vital signs, height, weight and performing various documentation procedures.

- HEHS 228 - Health/Human Services Practicum 3 hrs.

Total Hours: 19 Credit Hours

Drafting & Design Technology, A.A.S.

Program Type: Associate of Applied Science (AAS)
Program Length: 60 Credit Hours/1575 Clock Hours

Program Description

The Drafting and Design Technology program is a two-year technical program designed to give the student essential knowledge and skills required for efficient and productive performance in the drafting field. Northeast Louisiana Technical College grants an Associate of Applied Science (AAS) to students upon satisfactory completion of the curriculum and assists in placing students in gainful employment. Certificates are also offered for those needing a background in drafting without gaining all of the skills required for employment as a drafter.

Drafting and Design Technology Course Listing

TCA – Engineering Aide I

ORNT 1000 - Freshman Seminar

Total Credits = Cr. 1
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.
• DRFT 1110 - Drafting Fundamentals 2 hrs./ 45 clock hrs.
• DRFT 1120 - Geometric Construction 2 hrs./ 45 clock hrs.
• DRFT 1130 - Pictorial Drawing 2 hrs./ 45 clock hrs.
• DRFT 1145 - Machine & Section Drawing 3 hrs./ 105 clock hrs.
• DRFT 1161 - Dimensioning 2 hrs./ 45 clock hrs.

Total: 12 hrs./ 300 clock hrs.

CTS - Engineering Aide II

• MATH 1110 - Technical Math I 3 hrs./ 45 clock hrs. or
• DRFT 1160 - Drafting Math I 3 hrs./ 45 clock hrs.
• DRFT 1215 - Auxiliary Views/ Intersections & Development 3 hrs./ 105 clock hrs.
• DRFT 1230 - Fasteners 1 hr./30 clock hrs.
• CADD 1210 - Basic Computer Aided Drafting & Design 3 hrs./ 105 clock hrs.

Total: 22 hrs./ 585 clock hrs.

TD - Drafting and Design Technician

• CADD 1215 - Advanced Computer Aided Drafting & Design 3 hrs./ 105 clock hrs.
• DRFT 2310 - Discipline I - Introduction to Manufacturing/Electrical 3 hrs./ 105 clock hrs.
• DRFT 2320 - Discipline II - Introduction to Architectural/Civil/Structural 3 hrs./ 105 clock hrs.
• DRFT 2330 - Discipline III - Introduction to Piping/Marine 3 hrs./ 105 clock hrs.
• DRFT 2340 - Advanced Discipline I 3 hrs./ 105 clock hrs. *
• DRFT 2350 - Advanced Discipline II 3 hrs./ 105 clock hrs. *
• DRFT 2360 - Advanced Discipline III 3 hrs./ 105 clock hrs. *

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The
completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

**Prerequisites:** None

**Total:** 45 hrs./1350 clock hrs.

* Advanced Disciplines: Architectural, Civil, Electronics, Manufacturing, Marine, Piping, Structural

**AAS - Drafting and Design Technology**

Required General Education Courses:

**ENGL 1015 - English Composition I**

**Total Credits = Cr:** 3  
**Lecture = Lec:** 3

The study of the basic rhetorical modes of English composition with emphasis on prewriting, writing, and revising techniques utilizing correct English grammar, usage, and punctuation. Prerequisites: English score of at least 20 on the Enhanced ACT, successful completion of Developmental English, or permission of the campus CAO.

**MATH 1015 - College Algebra**

**Total Credits = Cr:** 3  
**Lecture = Lec:** 3

Linear and quadratic equations and inequalities, radical and rational equations, complex numbers, graphing, functions, exponential and logarithmic functions, polynomial equations, systems of linear equations and inequalities.

**Prerequisites:** Math score of at least 21 on the Enhanced ACT, successful completion of Developmental Math, or permission of the campus CAO

**PSYC 2015 - Introduction To Psychology**

**Total Credits = Cr:** 3  
**Lecture = Lec:** 3

An overview of psychology designed to expose students to the major theories, research practices, and applied areas of psychology.

**PHSC 1015 - Physical Science I**

**Total Credits = Cr:** 3
Lecture = Lec: 3;

Introductory study of topics in physical science including motion, energy, temperature, light and sound, electricity, and atomic structure.

**SPCH 1015 - Introduction To Public Speaking**

**Total Credits = Cr: 3**  
Lecture = Lec: 3;

Designed to teach students basic public presentation principles and skills. Students complete one speech each of personal introduction, information, persuasion, demonstration, and special occasion (influential person).

Total: 60 hrs./ 1575 clock hrs.

Optional Elective:

**CSRV 1000 - Customer Service**

**Total Credits = Cr: 3**  
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

**Prerequisites:** Consent of Instructor

**CSRV 2000 - Customer Service**

NEEDS COURSE DESCRIPTION

**ENTP 1000 - Entrepreneurship**

NEEDS COURSE DESCRIPTION

May Be Substituted:
With approval from the Chief Academic Officer/designee, the following courses may be substituted for any of the above course requirements.

- SPPR 2991 - Special Projects I 1 hr./ 30 clock hrs.
- SPPR 2993 - Special Projects II 2 hrs./ 60 clock hrs.
- SPPR 2995 - Special Projects III 3 hrs./ 90 clock hrs.
- SPPR 2996 - Special Projects IV 3 hrs./ 45 clock hrs.
- SPPR 2998 - Special Projects V 1 hr./ 15 clock hrs.
- SPPR 2997 - Practicum 3 hrs./ 135 clock hrs.
- SPPR 2999 - Cooperative Education 3 hrs./ 135 clock hrs.

**Electrician, T.D.**

**Program Type:** Technical Diploma (TD)

**Program Length:** As follows

- **Industrial Electrician:** 47 Credit Hours/1425 Clock Hours
- **Marine Electrician:** 50 Credit Hours/1530 Clock Hours
- **Commercial Wiring I:** 47 Credit Hours/ 1425 Clock Hours
- **Commercial Wiring II:** 45 Credit Hours/1365 Clock Hours

**Program Description**

The purpose of this program is to provide a basic core of specialized instruction and practical shop experience to prepare students for employment in electrical trades.

Students who complete the basic core may choose any of the specialty areas. Specialty areas prepare the graduate as an Industrial Electrician, Marine Electrician, or Commercial Electrician.

The Industrial Electrician course will prepare individuals to install, troubleshoot, and repair wiring, electrical equipment, and other electrical devices used in the industrial environment, such as motors (AC and DC drives), transformers, control systems, instruments, PLC's, and lighting systems.

The Marine Electricity program prepares individuals to install and repair wiring fixtures, and equipment for electrical services aboard ships and in shipyard facilities. Marine wiring methods and equipment will also be covered.

The Commercial Electricity program generally prepares individuals to install, maintain, troubleshoot, and repair electrical devices, components, and equipment that are utilized in residential and commercial electrical systems. Students have two options to complete this diploma: by course work, or by employment in a work-based course with an electrical contractor.

All program specialties emphasize safe and efficient work practices, basic occupational skills, and are organized into competency-based courses that specify occupational competencies, which the student must successfully complete. Each area includes a study of all applicable codes and standards, blueprint reading, wiring diagrams, and installations which are appropriate to the area. All work is performed with an emphasis on shop and work safety.

**Electrician Course Listing**

**TCA - Electrician Helper**
ORNT 1000 - Freshman Seminar

Total Credits = Cr. 1
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

- ELEC 1120 - Basic Electricity 6 hrs./ 150 clock hrs.
- ELEC 1210 - Residential Wiring 6 hrs./ 150 clock hrs.

Total: 13 hrs./ 315 clock hrs.

CTS - Residential Electrician

Basic Electrical Core

- ELEC 2460 - Technical Mathematics for Electricians 2 hrs./ 45 clock hrs.
- ELEC 1220 - Electrical Raceways 3 hrs./ 90 clock hrs.
- ELEC 1230 - National Electrical Code 2 hrs./ 90 clock hrs.
- ELEC 1311 - Residential Wiring Installation 6 hrs./ 165 clock hrs.
- ELEC 1430 - Blueprint Interpretation 3 hrs./ 75 clock hrs.

CPTR 1000 - Introduction To Computers

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introductory study of computer system components, operating system environments. Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

Prerequisites: None

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information
essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 33 hrs./ 855 clock hrs.

Technical Diplomas

Technical Diplomas in specialized areas require the completion of the basic core courses. Plus the completion of specialty courses listed in the following groups:

TD - Industrial Electrician

- ELEC 1330 - Generators/Motors and Transformer Operation 2 hrs./ 90 clock hrs.
- ELEC 1420 - Introduction to Motor Controls 2 hrs./ 90 clock hrs.
- ELEC 1440 - Motor Controls 3 hrs./ 135 clock hrs.
- ELEC 2520 - Solid State Theory 3 hrs./ 75 clock hrs.
- ELEC 2540 - Logic Functions 2 hrs./ 90 clock hrs.
- ELEC 2720 - Introduction to Programmable Logic Controllers 2 hrs./ 90 clock hrs.

Total: 47 hrs./ 1425 clock hrs.

TD - Commercial Wiring

- ELEC 1410 - Commercial Wiring 5 hrs./ 195 clock hrs.

Total: 45 hrs./ 1365 clock hrs.

Optional Elective:

CSRV 1000 - Customer Service

Total Credits = Cr: 3
Lecture = Lec: 3
This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

**Prerequisites:** Consent of Instructor

**May Be Substituted:**

With approval from the Chief Academic officer/designee, the following courses may be substituted for the above course requirements

- ELEC 2991 - Special Projects I 1 hr./ 30 clock hrs.
- ELEC 2993 - Special Projects II 2 hrs./ 60 clock hrs.
- ELEC 2995 - Special Projects III 3 hrs./ 90 clock hrs.
- ELEC 2996 - Special Projects IV 3 hrs./ 45 clock hrs.
- ELEC 2997 - Practicum 3 hrs./ 135 clock hrs.
- ELEC 2999 - Cooperative Education 3 hrs./ 135 clock hrs.

**Emergency Medical Technician, T.C.A.**

**Program Type:** Technical Competency Area (TCA)

**Program Length:** 8 Credit Hours/165 Clock Hours

**Program Description**

This program prepares students to give advanced pre-hospital/emergency care to victims of accidents or medical emergencies in pre-hospital environments. Skills taught in this program are at the EMT-Basic level, and meet the minimum standards as identified by the US Department of Transportation (DOT) National Standard Curriculum for Paramedic Education and the LA State Bureau of Emergency Medical Services (BEMS). The course is competency/outcome based and instruction includes supervised classroom/labs, preceptor clinical and field internship experiences with summative evaluations. Completion of this course of study allows the student to be eligible to take the written and practical National registry examinations for Louisiana State certification.

This is a limited enrollment program. Students must be admitted to enroll in any of the listed courses.

**Emergency Medical Technician/Basic Course Listing**

**TCA - EMT Basic**

- HEMS 1110 - Introduction to Basic EMT 1 hr./ 15 clock hrs.
- HEMS 1120 - Patient Assessment and Airway Management 2 hrs./ 45 clock hrs.
- HEMS 1140 - Medical/Behavioral Emergencies and Trauma Management 2 hrs./ 45 clock hrs.
- HEMS 1160 - Maternal Pediatric Management 1 hr./ 15 clock hrs.
- HEMS 1170 - EMT - Ambulance Operation 1 hr./ 15 clock hrs.
- HEMS 1172 - EMT - Basic Clinical 1 hr./ 30 clock hrs.
Total: 8 hrs./165 clock hrs.

**Humanities Track Transfer Degree, A.A.L.T.**

All courses applied to the degree must be passed with a C or better. Developmental courses may not be applied to the degree.

Requirements for the AALT track in humanities are listed below. When more than one option for fulfilling a requirement is given, even if some of these options are listed as “recommended” or “electives,” students should select courses that are required for the major they intend to pursue at a university. Students transferring to a University of Louisiana System (ULS) institution should follow the appropriate ULS track.

**English Composition & Literature (Humanity) 9 Hours**

Complete both:

**ENGL 101 - English Composition I**

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

**Prerequisites:** ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

**ENGL 102 - English Composition**

Total Credits = Cr. 3  
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

**Prerequisites:** ENGL 101 with a grade of “C” or higher.

Choose one literature:

**ENGL 201 - English Literature**
This course is a survey of important works of English literature from the Anglo-Saxon period to the Restoration and Eighteenth Century. Writers studied in the course will include Chaucer, Marlowe, Shakespeare, Donne, Milton, Swift and others.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 202 - English Literature

This course is a survey of important works of English literature from the Romantic Period through the Twentieth Century. Writers studied in the course will include Blake, Shelley, Wordsworth, Keats, Byron, Coleridge, Browning, Tennyson, Conrad, Yeats, Joyce, Lawrence, Eliot, Auden and others.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 203 - American Literature I

This course will be a survey of significant works in American Literature from its beginnings to 1860. Included in the course are Native American myths, works by early explorers and settlers, the literature of reason and revolution, and the Romantic and Transcendental movements.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 204 - American Literature II

A survey of American Literature from 1860 to the present. Major writers include Whitman, Dickinson, Twain, Frost, Eliot, Hemingway, Faulkner and Steinbeck, as well as the rising voices of ethnic and women’s literature in the 20th century.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 205 - World Literature

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of English literature from the Anglo-Saxon period to the Restoration and Eighteenth Century. Writers studied in the course will include Chaucer, Marlowe, Shakespeare, Donne, Milton, Swift and others.

Prerequisites: ENGL 102 with a grade of “C” or higher.
A survey of the major works of World Literature from the Classical Period to the Renaissance, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 206 - World Literature**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

A survey of the major works of World Literature from the Renaissance to the present, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 207 - Literature Of The Old Testament**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

This course is a survey of literature found in the Old Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

**Prerequisites:** ENGL 102 with “C” or higher.

**ENGL 208 - Literature Of The New Testament**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

This course is a survey of literature found in the New Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

**Prerequisites:** ENGL 102 with “C” or higher.

**ENGL 211 - Survey Of Short Stories & Novels**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

Skills for reading and writing about fiction; attention to generic conventions and critical perspectives; section emphasis may vary; consult departmental handout.
Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 215 - Introduction To Drama & Poetry

Total Credits = Cr. 3
Lecture = Lec. 3

The course is designed to develop in students an ability to understand, analyze and evaluate drama and poetry. The first half of the course focuses on drama and introduces the student to plays from the Greek classics through the twentieth century. The second half of the course emphasizes poetry that reflects different forms, subjects, themes and points of view. Since reading is a major focus of this course, students will practice a variety of interrelated reading and interpretative skills. Students’ writing should move beyond paraphrasing into analysis, interpretation and argumentation.

Prerequisites: ENGL 102 with a grade of “C” or higher.

Fine Arts 3 Hours

ARTS 120 - Art Appreciation

(Formerly ARTS 101)

Total Credits = Cr. 3
Lecture = Lec. 3

Lecture and discussion of the visual arts with emphasis on how and why works have been created in present and earlier times. All major forms of drawing, painting, printmaking, sculpture, design and architecture are explored in basic terms.

ARTS 201 - Survey Of Art History I

Total Credits = Cr. 3
Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the prehistoric period through the Gothic.

ARTS 202 - Survey Of Art History II

Total Credits = Cr. 3
Lecture = Lec. 3
This survey course is an introduction to the history of visual art through the study of selected masterworks from the Renaissance to Modern time.

**MUSC 101 - Music Appreciation**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course is designed to foster an understanding of music through the study of selected examples of musical works. Emphasis is placed upon the analysis of compositions in conjunction with references to cultural and historical developments.

**THEA 190 - Theatre Appreciation**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course seeks to improve both the appreciation for and understanding of theatre art that includes the structure, focus and purpose of dramatic literature, its presentation (acting), and directing/managing, as well as physical designing (scenery, lighting, costumes, make-up) and related theatrical elements. This course, where possible, includes attendance at local theatrical presentations.

**Social/Behavioral Sciences 6 Hours**

6 hours (3 at 200 level)

**ECON 201 - Macroeconomics**

Total Credits = Cr. 3  
Lecture = Lec. 3

A study of price and output determination, theories of production, determination of prices in regulated and unregulated industries, functional distribution of income, and international economics.

**ECON 202 - Microeconomics**

Total Credits = Cr. 3  
Lecture = Lec. 3

A study of economics, economic concepts and economic institutions. Emphasizes the operation and function of a market economy while analyzing economic problems related to income, employment, the business cycle, money and banking, growth and development.

**Prerequisites:** ECON 201
GEOG 202 - Cultural Geography

Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to the concepts, themes and techniques of cultural geography; topical discussion of religion, politics, language, population, agriculture, urbanization, environmental and social problems.

GEOG 205 - Physical Geography

Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to the concepts, themes and disciplines of physical geography. Discussion of atmospheric moisture, pressure and temperature, plate tectonics, volcanism, weathering and mass wasting, diastrophism, coastal processes, fluvial processes, global ecosystems and weather systems.

POLI 110 - American Government

Total Credits = Cr. 3
Lecture = Lec. 3;

The principles, institutions, processes and functions of government. Emphasis is on the national government, the development of our constitutional system and the role of the citizen in the democratic process.

PSYC 201 - Introduction To Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

PSYC 225 - Child Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

Physical, intellectual, social and emotional factors in child growth and development.

Prerequisites: PSYC 201.
**PSYC 226 - Developmental Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Physical, psychological, and social aspects of the individual from conception to death. Cultural, social, and hereditary factors that affect the individual’s behavior throughout the life cycle.

**Prerequisites:** PSYC 201 with a “C” or higher.

**PSYC 227 - Adolescent Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

A study of the physical and mental growth of youth during the period of adolescence and the transition from childhood to adulthood.

**Prerequisites:** PSYC 201 with a “C” or higher.

**SOCL 201 - Introduction To Sociology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

As an introduction to the discipline of sociology, this course surveys and provides students with an understanding of human society and social life. It introduces students to the major subject areas of sociology, including the major theoretical perspectives and theorists; logic and techniques of research; social organization, institutions, and inequality and social change.

**SOCL 202 - Contemporary Social Problems**

Total Credits = Cr. 3  
Lecture = Lec. 3;

A description and sociological analysis of major contemporary social problems in American society. The focus is on both the individual and societal levels (on both social action and social structure) and on the reciprocal relationship between them.

**Prerequisites:** SOCL 201 with “C” or higher.

**Math/A.R. 6 Hours**
MATH 110 - College Algebra

Total Credits = Cr. 3
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.
  • GenEd Math/A.R. Elective 1 3 hrs.

Natural Sciences 9 Hours

Students must complete a six-hour sequence in either the biological or physical sciences. The remaining three hours must be in the opposite area (i.e., both biological and physical sciences must be taken).

Biological Sci. Sequences:

While no lab is required, students may opt to take a single one-credit hour lab that corresponds with one of the three lectures used toward the fulfillment of the natural sciences requirement.

BIOL 101 - General Biology I

Total Credits = Cr. 3
Lecture = Lec. 3

Course surveys the building blocks of life, basic principles of genetics, evolution and diversity, basic principles of the form and function of plants, animal anatomy, physiology and behavior and their effects on ecology (for non-science majors.)

Prerequisites: Eligibility for ENGL 101 and MATH 110.

BIOL 102 - General Biology II

Total Credits = Cr. 3
Lecture = Lec. 3

Course covers the structure of the human body, its functions and its interaction with the environment and mankind.

Prerequisites: BIOL 101 with a grade of “C” or higher

BIOL 201 - Principles Of Biology I

Total Credits = Cr. 3
Lecture = Lec. 3
This course covers the concept of scientific methodology, genetics, cell structure and development, evolution and ecology and provides a laboratory component that coincides with the lecture; Designed for students majoring in a science related field.

Prerequisites: Eligibility for ENGL 101 and MATH 110 and successful completion of PHSC 120 or a high or college level chemistry.

BIOL 202 - Principles Of Biology II

Total Credits = Cr. 3  
Lecture = Lec. 3

This course covers the concepts of human evolution and effects on ecology, ecological interactions, natural selection, adaptation, speciation and phylogeny.

Prerequisites: Grade of “C” or higher in BIOL 201

BIOL 221 - Human Anatomy And Physiology I

Total Credits = Cr. 3  
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body. The emphasis of the lecture will be on the physiology of organs and tissues. Topics covered will include the human organism, chemical basis of life, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, spinal cord, spinal nerves, brain, cranial nerves, and integration of nervous system functions, autonomic nervous system and special senses. This course is designed for science majors and students majoring in a pre-allied health related field.

Prerequisites: Eligibility to enroll in ENGL 101 and MATH 110 and successful completion of PHSC 120 or high school or college level chemistry.  
Corequisites: Concurrent enrollment in BIOL 223, Human Anatomy & Physiology I Laboratory.

BIOL 222 - Human Anatomy & Physiology II

Total Credits = Cr. 3  
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body covering the endocrine system, cardiovascular, lymphatic (immune), respiratory, digestive, urinary and reproductive systems, development, growth, aging, nutrition, acid base balance and genetics. This course is designed for science majors and students majoring in a pre-allied health related field.

Prerequisites: Completion of BIOL 221 and BIOL 223 with a grade of C or better.  
Corequisites: Concurrent enrollment in BIOL 224, Human Anatomy & Physiology II Laboratory.
Physical Sci. Sequences:

While no lab is required, students may opt to take a single one-credit hour lab that corresponds with one of the three lectures used toward the fulfillment of the natural sciences requirement.

**CHEM 101 - General Chemistry**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

An introduction to chemistry, this course presents the basics of inorganic chemistry including the following topics: scientific measurements and calculations, elements and compounds, bonding, stoichiometry, calorimetry, gases, solutions and concentrations, acids and bases. Integrated into this course are problem-solving and quantitative approaches. This course is intended for non-science and pre-allied health majors.

**Prerequisites:** Completion of MATH 110 with a grade of “C” or higher; Grade of “C” or better in College Algebra or and ACT score of 20 in math.  
**Corequisites:** Concurrent enrollment in CHEM 103;

**CHEM 102 - General Chemistry II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

Lecture course includes an introduction to organic and biochemistry chemistry for non-science majors and selected pre-allied health majors. This course presents basic principles of organic chemistry and biochemistry with emphasis on chemistry of carbon, alkanes, alkenes, alkynes, aromatics, alcohols, phenols, thiols, ethers, aldehydes, ketones, carboxylic acids, amines, amides, carbohydrates, lipids, proteins, enzymes, metabolism, and molecular genetics. Integrated into this course are problem solving and quantitative approaches.

**Prerequisites:** Successful completion of CHEM 101 and CHEM 103 with a grade of “C” or higher

**CHEM 110 - Chemistry I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on atomic structure, periodicity, bonds, thermochemistry, molecular geometry, gas laws, solutions, and stoichiometry. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in College Algebra or and ACT score of 20 in math.  
**Corequisites:** None

**CHEM 120 - Chemistry II**
This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on reaction kinetics and equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and the chemistry of metals and nonmetals. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in CHEM 110.

**Corequisites:** None

**GEOL 101 - Physical Geology**

Total Credits = Cr. 3  
Lecture = Lec. 3

An introduction to the scope of geology, the external and internal features of the earth such as landforms, and the agents which are responsible for them including volcanoes, glaciers, earthquakes, wind and running water.

**GEOL 102 - Historical Geology**

Total Credits = Cr. 3  
Lecture = Lec. 3

The development, changes and destruction of the land features and sea areas of the earth and the changing panorama of plant and animal life from the earth’s origin to the present day.

**Prerequisites:** Successful completion of GEOL 101, Physical Geology, with a grade of “C” or higher or by special permission.

**PHSC 100 - Physical Science I**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is a presentation of an integrated approach to essential concepts in physics such as motion, gravity, heat, electricity, magnetism, sound and light and to emphasize the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

**Prerequisites:** Eligibility to enroll in MATH 99 or higher level math

**PHSC 120 - Physical Science II**

Total Credits = Cr.3  
Lecture = Lec.3;
This course introduces the student to the following concepts of basic chemistry: atoms and their structure, atomic models, atomic nucleus and electron configuration, mixture, bonding, acids and bases, and oxidation and reduction.

Prerequisites: Eligibility for MATH 99 or higher level math

PHYS 210 - General Physics I

Total Credits = Cr. 3  
Lecture = Lec. 3;

This first semester of a two-semester sequence is an overview of basic concepts and principles of mechanics, heat, and sound. This course is intended for science majors.

Prerequisites: Successful completion of MATH 111, Plane Trigonometry, with a grade of “C” or higher;  
Corequisites: Concurrent enrollment in PHYS 211, General Physics I Laboratory

PHYS 220 - General Physics II

Total Credits = Cr. 3  
Lecture = Lec. 3;

This second semester of a two-semester sequence is an overview of basic concepts and principles of optics, electricity, magnetism, and other topics of modern physics. This course is intended for science majors.

Prerequisites: Successful completion of PHYS 210 & PHYS 211 with a grade of “C” or higher;  
Corequisites: Concurrent enrollment in PHYS 221, General Physics II Laboratory

SCIE 101 - Introductory Earth Science I

Total Credits = Cr.3  
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science with an emphasis on the following: geology with an introduction to oceanography, meteorology, and astronomy. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. Field trips may be arranged, but not required.

Prerequisites: None;  
Corequisites: None

SCIE 102 - Introductory Earth Science II

Total Credits = Cr.3  
Lecture = Lec.3;
This survey course will present an integrated approach to general earth science. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. General Earth Science 102 will include the following disciplines: geology, oceanography, meteorology, and astronomy with emphasis on oceanography, meteorology, and astronomy. Field trips may be arranged, but not required

**Prerequisites:** None- Students may enroll in SCIE 102 without having taken SCIE 101;
**Corequisites:** None

### Individual Biological Sciences Courses:

While no lab is required, students may opt to take a single one-credit hour lab that corresponds with one of the three lectures used toward the fulfillment of the natural sciences requirement.

**BIOL 210 - General Microbiology**

(formerly BIOL 212)

**Total Credits = Cr. 3**  
Lecture = Lec 3

Course presents an integrated approach to essential concepts in Microbiology and provides a foundation for practical, hands-on work and critical thinking that are a part of science and medical based professions (for science majors).

**Prerequisites:** Successful completion of BIOL 221 and BIOL 223 with a grade of “C” or higher.  
**Corequisites:** Concurrent enrollment in BIOL 211, General Microbiology Laboratory

**BIOL 228 - Pathophysiology**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

A detailed study of the mechanisms of disease, alterations in body defenses and the effects on the following body systems: hematological, cardiovascular, respiratory, urinary, gastrointestinal, endocrine, reproductive, nervous, skeletal and integumentary.

**Prerequisites:** Completion of BIOL 221, BIOL 222, BIOL 223 & BIOL 224 with a grade of “C” or higher in each.

**BIOL 230 - Principles Of Zoology**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course is designed for students with majors and minors in biological science. The course presents the major concepts of biology as illustrated by animal life and studies selected vertebrates as laboratory animals. An introduction to the anatomy, physiology, classification, and relationships of major animal phyla will be covered. Emphasis will be placed on levels of
organization, reproduction, evolution of animal life, diversity and the environment. This course may be used as a general science elective to satisfy the core content requirements.

Prerequisites: Eligibility for MATH 110 and ENGL 101; Successful completion of PHSC 120 or high school or college level chemistry.

**SCIE 114 - Environmental Science & Lab**

Total Credits = Cr 3  
Lecture = Lec. 3;

Study of the interactions of human activity with the environment and the future impact of these actions. Ecological, impact, sustainable management and risk analysis will be integrated throughout the course.

Prerequisites: Completion of MATH 110 with a grade of “C” or higher.

**PHYS 110 - Foundations Of Astronomy**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course presents an integrated approach to basic astronomy and astronomical concepts. Basic science skills such as the scientific method are highlighted through astronomy. Astronomic concepts will include the following topics: light and properties of light, lenses, astrophotography, and formation of the universe, galaxies, solar systems, and planets. Practical observational techniques of space objects are performed through use of telescopes. Sunspot activity is monitored via the Internet and through observations of the sun with the appropriate equipment.

Prerequisites: Eligibility to enroll in MATH 99 or higher level math.

**Humanities 6 Hours**

Recommended:

Sequence in history or foreign language

**HIST 101 - Western Civilization To 1650 A.D.**

Total Credits = Cr. 3  
Lecture = Lec. 3

A survey of civilization of the world to 1650. Major emphasis on western civilization.
HIST 102 - Western Civilization Since 1650 A.D.

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of civilization of the world from 1650 to the present. Major emphasis on western civilization.

HIST 201 - History Of The United States 1492-1877

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of United States history from discovery through Reconstruction.

HIST 202 - History Of The Us 1877-present

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of United States history from Reconstruction to the present.

FREN 101 - Elementary French I

Total Credits = Cr. 3
Lecture = Lec. 3

A beginning course designed for students with no previous knowledge of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

FREN 102 - Elementary French II

Total Credits = Cr. 3
Lecture = Lec. 3

A continuation of FREN 101. designed for students who have completed one semester of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

Prerequisites: FREN 101

FREN 201 - Intermediate French
This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** FREN 101, FREN 102

**FREN 202 - Intermediate French**

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** FREN 101, FREN 102, FREN 201

**SPAN 101 - Elementary Spanish I**

An introduction to Spanish language and culture. The course explores the basic grammatical structures of the Spanish language. Throughout the semester, students will develop writing, reading and speaking skills. Emphasis will be placed on communicative skills.

**SPAN 102 - Elementary Spanish II**

A continuation of SPAN 101. The course will extend students’ elementary knowledge of the basic grammatical structures of the Spanish language. Throughout the semester, students will continue to develop reading, writing and speaking skills. Emphasis will be placed on communication skills.

**Prerequisites:** SPAN 101 with “C” or higher

**SPAN 201 - Intermediate Spanish I**

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is designed to build upon and extend students’ elementary knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: SPAN 102 with “C” or higher

SPAN 202 - Intermediate Spanish II

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is designed to build upon and extend students’ intermediate knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: SPAN 201 with “C” or higher

Other options:

Choose other humanities from above list, literature list or from:

PHIL 201 - Introduction To Philosophy

Total Credits = Cr. 3
Lecture = Lec. 3;

An introduction to philosophical ideas, problems and methods through a study of important philosophers and the major systems of philosophy. Topics to be covered may include appearance and reality, human nature, nature of knowledge, relation of mind with body, the right and the good, the existence of God, and freedom and determinism.

SPCM 110 - Fundamentals Of Speech

Total Credits = Cr. 3
Lecture = Lec. 3;

This course develops an awareness of the history and traditions of speech communication worthy of academic study. The course is a summary of this academic and professional field and is comprised of the component parts of organizational and business communication, mass communication, small group and interpersonal communication, as well as public speaking.

SPCM 120 - Intro To Public Speaking

Total Credits = Cr. 3
Lecture = Lec. 3;

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

**SPCM 130 - Interpersonal Communication**

Total Credits = Cr. 3
Lecture = Lec. 3;

This speech and personal communication course is designed for students who are interested in improving their personal knowledge and practice of the principles that govern their interpersonal (usually one-to-one) and intrapersonal (within oneself) communication behavior on a daily basis. This course applies to personal, social and professional context interactions and relationships that often govern their success personally, professionally and in everyday social activities.

**Foreign Language Series and/or Humanities Electives 15 Hours**

Foreign language series:

- French - FREN
- Spanish - SPAN

Humanities:

- English - ENGL
- History - HIST
- Philosophy - PHIL
- Speech - SPCH

**Humanities, Social Science, & Lab Electives 6 Hours**

Choose from departments listed below.

Social Sciences:

- Economics - ECON
- Geography - GEOG
- Political Science - POLI
- Psychology - PSYC
- Sociology - SOCL

Humanities:
See list of humanities departments in section above.

Other:

Not more than one 1-hour science lab that corresponds with a natural science lecture used toward the fulfillment of the natural science requirement.

Note(s):

Completion of the Associate of Arts/Science Louisiana Transfer (AALT, ASLT) degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an AALT/ASLT degree.

Additional Information:

Footnotes

1 Students may take any course (assuming they have completed the appropriate prerequisites) from the list that follows to fulfill the general education math elective requirement: MATH 111, MATH 117, MATH 120, MATH 201, MATH 210, MATH 220, and MATH 221.

2 While no lab is required, students may opt to take a single one-credit hour lab that corresponds with one of the three lectures used toward the fulfillment of the natural sciences requirement.

Completing an Associate of Arts/Science Louisiana Transfer Degree (AALT/ASLT) at LDCC

- A student’s placement in English and math courses will be determined by ACT, SAT, and/or COMPASS scores. As a result of these scores, some students may be required to take developmental classes in preparation for the English and math classes required for the transfer degree. Note: When appropriate, previous college work will be used to determined placement in these subject areas.
- A course may be applied only once for degree credit.
- Transfer coursework is unofficial until all official transcripts are evaluated and posted.
- To graduate with the AALT or ASLT, students must have LDCC and adjusted cumulative grade-point averages of 2.00.
- Students should refer to the LDCC General Catalog for a detailed explanation of graduation requirements.

Transferring to a University with an AALT or ASLT Degree

Advising and planning are key to a student’s success in maximizing the transfer experience. All students who might eventually transfer from one institution to another should develop, with an advisor’s assistance, a written degree plan of courses to take for the transfer associate degree. Whenever possible, students should use the transfer degree requirements to satisfy the admission requirements of the university to which they wish to transfer; the university’s senior college, departmental, and/or program admission requirements; and course requirements for the baccalaureate degree. Additionally, a student with coursework from multiple institutions may need to contact the Campus Transfer Ombudsman* at the transfer university for information regarding the applicability of non-LDCC coursework toward the intended major at the university.
Completion of the AALT or ASLT does not guarantee that a student will have the grade-point average necessary for admission to the university, senior college, department, program, etc, to which a student wishes to transfer. It is therefore essential that students find out these requirements* as early as possible.

* To identify the Campus Transfer Ombudsman (or designated contact person) or GPA requirements for the university to which you wish to transfer, visit the statewide articulation web site. Links to each participating institution’s articulation web site can be found here with other helpful academic resources.

Note(s):

Completion of the Associate of Arts/Science Louisiana Transfer (AALT, ASLT) degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an AALT/ASLT degree.

Industrial Electronics Technology, A.A.S.

Program Type: Associate of Applied Science (AAS)
Program Length: 60 Credit Hours/1575 Clock Hours

Program Description

The Industrial Electronics Technology program generally prepares individuals to assemble, install, operate, maintain, and repair electrical/electronic equipment used in business and industry. This course includes instruction, on actual equipment or associated trainers, relating to power supplies, amplifiers, motors, digital and computer circuitry, programmable controllers, computer peripherals, general robotic applications, lasers, fiber optics, communication systems, and video systems.

Industrial Electronics Technology Course Listing

TCA - Basic Electricity Technician

ORNT 1000 - Freshman Seminar

Total Credits = Cr. 1
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

- ETRN 1000 - Occupational Safety 2 hrs./ 30 clock hrs.
- MATH 1110 - Technical Math I 3 hrs./ 45 clock hrs.
- ETRN 1125 - Basic Electricity (AC/DC Circuits) 4 hrs./ 150 clock hrs.
Total: 10 hrs./ 240 clock hrs.

CTS - Basic Electronics Technician

- ETRN 1215 - Basic Electronics (Semiconductors & Transistors) 4 hrs./ 150 clock hrs.
- ETRN 1235 - Digital Circuits I & II 4 hrs./ 150 clock hrs.

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 20 hrs./ 570 clock hrs.

TD - Industrial Electronics Technician

- ETRN 2110 - Introduction to Programmable Controllers 4 hrs./ 150 clock hrs.
- ETRN 2130 - Telecommunications 3 hrs./ 90 clock hrs.
- Electronics Elective 3 hrs./ 90 clock hrs.
- Electronics Elective 3 hrs./ 90 clock hrs.
- Electronics Elective 3 hrs./ 90 clock hrs.
- Electronics Elective 3 hrs./ 90 clock hrs.
- Electronics Elective 3 hrs./ 90 clock hrs.
- Electronics Elective 3 hrs./ 90 clock hrs.

Total: 45 hrs./ 1350 clock hrs.
AAS - Industrial Electronics Technology

Required General Education Courses:

**ENGL 1015 - English Composition I**

Total Credits = Cr: 3  
Lecture = Lec: 3

The study of the basic rhetorical modes of English composition with emphasis on prewriting, writing, and revising techniques utilizing correct English grammar, usage, and punctuation. Prerequisites: English score of at least 20 on the Enhanced ACT, successful completion of Developmental English, or permission of the campus CAO.

**MATH 1015 - College Algebra**

Total Credits = Cr: 3  
Lecture = Lec: 3

Linear and quadratic equations and inequalities, radical and rational equations, complex numbers, graphing, functions, exponential and logarithmic functions, polynomial equations, systems of linear equations and inequalities.

Prerequisites: Math score of at least 21 on the Enhanced ACT, successful completion of Developmental Math, or permission of the campus CAO

**PSYC 2015 - Introduction To Psychology**

Total Credits = Cr: 3  
Lecture = Lec: 3

An overview of psychology designed to expose students to the major theories, research practices, and applied areas of psychology.

**PHSC 1015 - Physical Science I**

Total Credits = Cr: 3  
Lecture = Lec: 3

Introductory study of topics in physical science including motion, energy, temperature, light and sound, electricity, and atomic structure.

**SPCH 1015 - Introduction To Public Speaking**
Total Credits = Cr: 3
Lecture = Lec: 3;

Designed to teach students basic public presentation principles and skills. Students complete one speech each of personal introduction, information, persuasion, demonstration, and special occasion (influential person).

Total: 60 hrs./ 1575 clock hrs.

Electronics Electives:

**CPTR 1000 - Introduction To Computers**

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introductory study of computer system components, operating system environments. Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

**Prerequisites:** None

- ETRN 1250 - Digital Electronics (Microprocessors) 3 hrs./ 90 clock hrs.
- ETRN 2120 - Communications Principles and Systems 3 hrs./ 90 clock hrs.
- ETRN 2140 - Computer Systems and Interfacing 3 hrs./ 90 clock hrs.
- ETRN 2520 - Video Principles and Systems 3 hrs./ 90 clock hrs.
- ETRN 2720 - Motors and Generators 3 hrs./ 90 clock hrs.
- ETRN 2800 - Electronic Troubleshooting I 3 hrs./ 90 clock hrs.
- ETRN 2700 - Generators and Transformers 2 hrs./ 90 clock hrs.
- ETRN 2600 - Motor Controls and Interlocks 2 hrs./ 90 clock hrs.
- ETRN 2710 - Introduction to Networking 3 hrs./ 90 clock hrs.
- ETRN 2620 - Introduction to Robotics 3 hrs./ 90 clock hrs.
- ETRN 2715 - Microwave Communications 3 hrs./ 90 clock hrs.
- ETRN 2725 - Computer Peripherals 3 hrs./ 90 clock hrs.
- ETRN 2830 - Voice and Data Cabling 4 hrs./ 90 clock hrs.
- ETRN 2840 - Electronic Troubleshooting II 3 hrs./ 90 clock hrs.
- ETRN 1100 - Computer Maintenance I 3 hrs./ 90 clock hrs.
- ETRN 1101 - Computer Maintenance Lab I 1 hr./ 30 clock hrs.
- ETRN 1110 - Computer Maintenance II 3 hrs./ 90 clock hrs.
- ETRN 1111 - Computer Maintenance Lab II 1 hr./ 30 clock hrs.
- ETRN 2730 - Advanced Networking 4 hrs./ 90 clock hrs.
- ETRN 2810 - Advanced Programmable Logic Controls 3 hrs./ 90 clock hrs.
- IPC Certification (2/2/4 crhrs/90 clock hrs)
Optional Elective:

**CSRV 1000 - Customer Service**

**Total Credits = Cr: 3**  
**Lecture = Lec: 3**

This course is intended to help participants' progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

**Prerequisites:** Consent of Instructor

**CSRV 2000 - Customer Service**

NEEDS COURSE DESCRIPTION

**ENTP 1000 - Entrepreneurship**

NEEDS COURSE DESCRIPTION

May Be Substituted:

With approval from the Chief Academic Officer/designee, the following courses may be substituted for any of the above course requirements.

- SPPR 2991 - Special Projects I 1 hr./ 30 clock hrs.
- SPPR 2993 - Special Projects II 2 hrs./ 60 clock hrs.
- SPPR 2995 - Special Projects III 3 hrs./ 90 clock hrs.
- SPPR 2996 - Special Projects IV 3 hrs./ 45 clock hrs.
- SPPR 2998 - Special Projects V 1 hr./ 15 clock hrs.
- SPPR 2997 - Practicum 3 hrs./ 135 clock hrs.
- SPPR 2999 - Cooperative Education 3 hrs./ 135 clock hrs.

**Industrial Instrumentation Technology, A.A.S.**

**Program Type:** Associate of Applied Science (AAS)  
**Program Length:** 75 Credit Hours/1980 Clock Hours

**Program Description**
This program prepares individuals to maintain, adjust, install, calibrate, and repair industrial measuring and control instruments. The instruments measure and control things such as the flow rate, and pressure and temperature of liquids or gases in industrial processing plants.

**Industrial Instrumentation Technology Course Listing**

**TCA - Basic Electronic Repair**

**ORNT 1000 - Freshman Seminar**

**Total Credits = Cr. 1**

Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

- ETRN 1120 - Fundamentals of Direct Current Circuits 3 hrs./ 75 clock hrs.
- ETRN 1130 - Fundamentals of Alternating Current Circuits 3 hrs./ 75 clock hrs.
- ETRN 1210 - Fundamentals of Semiconductors 3 hrs./ 75 clock hrs.
- ETRN 1220 - Transistor Circuits 3 hrs./ 75 clock hrs.

**JOBS 2450 - Job Seeking Skills**

**Total Credits = Cr: 2**

Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

**Prerequisites:** None

Total: 15 hrs./ 345 clock hrs.
CTS - Industrial Electronic Repair

- ETRN 1230 - Digital Circuits I 3 hrs./ 75 clock hrs.
- ETRN 1240 - Digital Circuits II 3 hrs./ 75 clock hrs.
- INST 2620 - Motor Controls, Circuitry 3 hrs./ 90 clock hrs.
- INST 2630 - Variable Speed Drives 2 hrs./ 90 clock hrs.

CPTTR 1000 - Introduction To Computers

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introductory study of computer system components, operating system environments. Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

Prerequisites: None

Total: 28 hrs./ 720 clock hrs.

TD - Industrial Instrumentation Technician

- INST 1110 - Introduction to Industrial Instrumentation 2 hrs./ 90 clock hrs.
- INST 1310 - Pressure Measurement 2 hrs./ 90 clock hrs.
- INST 1320 - Level Measurement 2 hrs./ 90 clock hrs.
- INST 1410 - Flow Measurement 2 hrs./ 90 clock hrs.
- INST 1420 - Temperature Measurement 2 hrs./ 60 clock hrs.
- INST 2730 - Analytical Measurements 3 hrs./ 75 clock hrs.
- INST 1430 - Final Elements 3 hrs./ 75 clock hrs.
- INST 2610 - Controllers 3 hrs./ 90 clock hrs.
- INST 2720 - Introduction to Programmable Logic Controls 2 hrs./ 90 clock hrs.
- INST 2810 - Advanced Programmable Logic Controls 3 hrs./ 90 clock hrs.
- INST 2820 - Principles of Process Control 3 hrs./ 90 clock hrs.
- INST 2830 - Analog Control Systems 3 hrs./ 90 clock hrs.
- INST 2840 - Digital Control Systems 3 hrs./ 90 clock hrs.

Total: 60 hrs./ 1755 clock hrs.

AAS – Industrial Instrumentation Technology
ENGL 1015 - English Composition I

Total Credits = Cr: 3
Lecture = Lec: 3

The study of the basic rhetorical modes of English composition with emphasis on prewriting, writing, and revising techniques utilizing correct English grammar, usage, and punctuation. Prerequisites: English score of at least 20 on the Enhanced ACT, successful completion of Developmental English, or permission of the campus CAO.

MATH 1015 - College Algebra

Total Credits = Cr: 3
Lecture = Lec: 3;

Linear and quadratic equations and inequalities, radical and rational equations, complex numbers, graphing, functions, exponential and logarithmic functions, polynomial equations, systems of linear equations and inequalities.

Prerequisites: Math score of at least 21 on the Enhanced ACT, successful completion of Developmental Math, or permission of the campus CAO.

PSYC 2015 - Introduction To Psychology

Total Credits = Cr: 3
Lecture = Lec: 3;

An overview of psychology designed to expose students to the major theories, research practices, and applied areas of psychology.

PHSC 1015 - Physical Science I

Total Credits = Cr: 3
Lecture = Lec: 3;

Introductory study of topics in physical science including motion, energy, temperature, light and sound, electricity, and atomic structure.

SPCH 1015 - Introduction To Public Speaking

Total Credits = Cr: 3
Lecture = Lec: 3;

Designed to teach students basic public presentation principles and skills. Students complete one speech each of personal introduction, information, persuasion, demonstration, and special occasion (influential person).
Total: 75 hrs./ 1980 clock hrs.

**Industrial Maintenance Technology, T.D.**

**Program Type:** Technical Diploma (TD)
**Program Length:** 60 Credit Hours/1830 Clock Hours

**Program Description**

The purpose of this program is to provide specialized classroom instruction and practical shop experience to prepare students for employment in a variety of jobs in the industrial maintenance field.

The Industrial Maintenance Technology program prepares individuals to install, repair, and maintain industrial machinery and equipment such as pumps, motors, pneumatic and hydraulic systems, and production machinery. It includes instruction in testing, adjusting, and repairing pneumatic and hydraulic systems, attaching supplemental equipment such as hoses, valves, gates, mechanical, electrical, and electronic control devices. It also includes instruction in material handling equipment, pipefitting, welding, metal fabrication, and millwright.

**Industrial Maintenance Technology Course Listing**

**TCA - Fabrication Apprentice**

**ORNT 1000 - Freshman Seminar**

**Total Credits = Cr. 1**
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

- IMMT 1110 - Introduction to Industrial Maintenance Technology 1 hr./ 15 clock hrs.

**CPTR 1000 - Introduction To Computers**

**Total Credits = Cr. 2**
Lecture = Lec: 1; / Laboratory = Lab: 1;
An introductory study of computer system components, operating system environments, Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

**Prerequisites:** None
- IMMT 1111 - Welding I 3 hrs./135 clock hrs.
- IMMT 1112 - Welding II 2 hrs./90 clock hrs.
- IMMT 1120 - Blueprint Reading 2 hrs./30 clock hrs.
- IMMT 1121 - Metal Fabrication 3 hrs./105 clock hrs.

**Total:** 14 hrs./435 clock hrs.

The above TCA plus one of the four possible Sequences of courses shown below, results in the CTS as indicated.

**CTS - Pneumatic Hydraulic Apprentice**

**Sequence A - Pneumatic Hydraulic Apprentice:**
- IMMT 1210 - Material Handling 2 hrs./30 clock hrs.
- IMMT 1220 - Pneumatics 3 hrs./45 clock hrs.
- IMMT 1221 - Pneumatics Application 2 hrs./90 clock hrs.
- IMMT 1230 - Hydraulics 3 hrs./45 clock hrs.
- IMMT 1231 - Hydraulics Application 3 hrs./135 clock hrs.
- IMMT 1241 - Hydraulics Troubleshooting Projects 3 hrs./135 clock hrs.

**Total:** 16 hrs./480 clock hrs.

**Total:** 30 hrs./915 clock hrs.

**CTS - Millwright Apprentice**

**Sequence B - Millwright Apprentice:**
- IMMT 1311 - Pipefitting 2 hrs./60 clock hrs.
- IMMT 1320 - Millwright I 3 hrs./45 clock hrs.
- IMMT 1321 - Millwright I LAB 2 hrs./90 clock hrs.
- IMMT 1330 - Millwright II 2 hrs./30 clock hrs.
- IMMT 1331 - Millwright II Lab 3 hrs./135 clock hrs.
CTS - Electrical Maintenance

Sequence C - Electrical Maintenance:

- IMMT 1410 - Basic Electricity 1 hr./ 15 clock hrs.
- IMMT 1411 - Basic Electricity Lab 3 hrs./ 90 clock hrs.
- IMMT 1421 - Industrial Electricity 4 hrs./ 120 clock hrs.
- IMMT 1430 - Motor Controls 4 hrs./ 120 clock hrs.
- IMMT 1441 - Programmable Logic Controllers 4 hrs./ 120 clock hrs.

Total: 16 hrs./ 525 clock hrs.

Total: 30 hrs./ 960 clock hrs.

CTS - Petrochemical Maintenance

Sequence D - Petrochemical Maintenance:

- IMMT1410 - Basic Electricity 1 hr./ 15 clock hrs.
- IMMT1500 - Advanced Pipefitting 4 hrs./ 120 clock hrs.
- IMMT1501 - Preventive Maintenance 4 hrs./ 180 clock hrs.
- IMMT1502 - Rigging 4 hrs./ 120 clock hrs.
- IMMT1503 - Plant Equipment 3 hrs./ 90 clock hrs.

Total: 16 hrs./ 525 clock hrs.

Total: 30 hrs./ 960 clock hrs.
TD - Industrial Maintenance Technology

(composed of the TCA plus Sequence A, Sequence B, Sequence C or D, and JOB SEEKING SKILLS.)

The following courses may be available as multiple as one-hour courses on some LTC campuses: WELDING I, WELDING II, METAL FABRICATION, PNEUMATICS APPLICATION, HYDRAULICS APPLICATION, HYDRAULICS TROUBLESHOOTING, PIPEFITTING, MILLWRIGHT I LAB, MILLWRIGHT II LAB, BASIC ELECTRICITY LAB, INDUSTRIAL ELECTRICITY, MOTOR CONTROLS, & PROGRAMABLE LOGIC CONTROLLERS.

JOBS 2450 - Job Seeking Skills

**Total Credits = Cr: 2**  
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

**Prerequisites:** None

Total: 60 hrs./ 1830 clock hrs.

Optional Elective:

**CSRV 1000 - Customer Service**

**Total Credits = Cr: 3**  
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

**Prerequisites:** Consent of Instructor

**CSRV 2000 - Customer Service**
ENTP 1000 - Entrepreneurship

May Be Substituted:

With approval from the Chief Academic Officer/designee, the following courses may be substituted for any of the above course requirements.

- IMMT 1131 - Advanced Metal Fabrication 3 hrs./ 135 clock hrs.
- IMMT 2991 - Special Projects I 1 hr./ 30 clock hrs.
- IMMT 2993 - Special Projects II 2 hrs./ 60 clock hrs.
- IMMT 2995 - Special Projects III 3 hrs./ 90 clock hrs.
- IMMT 2996 - Special Projects IV 3 hrs./ 45 clock hrs.
- IMMT 2997 - Practicum 3 hrs./ 135 clock hrs.
- IMMT 2999 - Cooperative Education 3 hrs./ 135 clock hrs.

Information and Communication: Computer/Networking Support, A.A.S.

Program Type: Associate of Applied Science (AAS)
Program Length: AAS = 75 Credit Hours/1440 Clock Hours

Program Description

This program is divided into a basic core area and a specialty computer/networking area. The basic core courses of study will prepare individuals to troubleshoot, repair, and maintain computer systems and basic local area network problems. Students will also learn to operate a computer using current operating system software and use current application software for manipulating spreadsheets, databases, and word processing documents.

The specialty computer/networking area will prepare students to support end users and to successfully troubleshoot operating systems, user desktop environments, and/or local area and wide area networks. Electives are available to prepare students to assess the security needs of computer and network systems, recommend safeguard solutions, and manage the implementation and maintenance of security devices, systems, and procedures. Additional electives are provided to prepare students to manage computer operations and control the system configurations emanating from a specific site or network hub as well as low-level programming languages. The curriculum also includes instruction in computer hardware and software applications; local area (LAN) and wide area (WAN) networking.

The curriculum provides both knowledge acquisition and skills development for those who are currently working in the information technology field and would like to obtain industry-based certifications or for those who would like to prepare for employment in this field. The program is designed to prepare students to successfully pass national, industry-based exams such as: IC3, CompTIA’s A+, Network+, Server+, HTI+, iNet+, and Security+; Cisco System’s Cisco Certified Network Associate (CCNA), Cisco Certified Network Design (CCDA), and Cisco Certified Network Professional (CCNP); Microsoft’s Certified Desktop Technician (MCDST); as well as security certifications such as Security Certified Network Professional (SCNP) and Security Certified Network Architect (SCNA) where available.
Info Comm Technology: Computer/Networking Support Course Listing

TCA - CIP 111001 - Computer Operator

ORNT 1000 - Freshman Seminar

Total Credits = Cr. 1
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

CPTR 1010 - IC3

Total Credits = Cr: 4
Lecture = Lec: 2 / Laboratory = Lab: 2

IC3–The Digital Literacy Certification courseware provides skills training and assessment for a broad range of computing concepts and techniques, including competency in computer hardware and software, operating systems, word processing and spreadsheet functions, networks and the Internet, electronic mail, and an understanding of the impact of computing and the Internet in society. The courseware is divided into three modules corresponding to the three exams that form the IC3 certification.
  • KYBD 1000 - Basic Keyboarding 2 hrs./ 45 clock hrs.

INCT 1100 - Installation & Troubleshooting, Part I

Total Credits = Cr: 3
Lecture = Lec:1; / Laboratory = Lab: 2;

A hands-on intensive study involving PC hardware and software that prepares students for an industry-based certification such as the A+ examination. PC hardware includes installation of motherboards, various drives, and adapter cards. Software includes installation of operating systems, various applications, and communication software and their proper configuration. Provides a systematic approach towards PC diagnostics and troubleshooting through the use of practical industry standards diagnostic software.

Total: 10 hrs./ 225 clock hrs.
CTS - CIP 111001 - Computer System Technician

INCT 1110 - Installation & Troubleshooting, Part II

Total Credits = Cr:3
Lecture = Lec: 1; / Laboratory = Lab: 2;

A hands-on advanced study involving PC hardware and software that prepares students for an industry-based certification such as the A+ examination. PC hardware includes installation of motherboards, various drives, and adapter cards. Software includes installation of operating systems, various applications, and communication software and their proper configuration. Provides a systematic approach towards PC diagnostics and troubleshooting through the use of practical industry standards diagnostic software.

INCT 1200 - Operating Systems

Total Credits = Cr: 4
Lecture = Lec: 2; / Laboratory = Lab: 2;

A hands-on study of operating systems which prepares students for an industry-based certification such as the MCP examination. The course includes the installation and administration of a network operating system as well as troubleshooting and optimizing techniques.

- INCT 1210 - Introduction to Programming 3 hrs./ 75 clock hrs.

INCT 2110 - Networking Technologies

Total Credits = Cr: 4
Lecture = Lec: 2; / Laboratory = Lab: 2;

A hands-on study of networking technologies, which includes the planning, implementation, and administration of networks. The course also includes troubleshooting and security related issues.

- ICT Elective 3 hrs./ 75 clock hrs.

Total: 27 hrs./ 630 clock hrs.

Total ICT Core
JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2  
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 29 hrs./ 660 clock hrs.

TD - ICT Computer/Networking Support

INCT 1800 - Introduction To Unix/linux

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;

A hands-on study of the Unix or Linux operating system which includes installation of the operating system, administration and configuration of the system, and troubleshooting techniques involved in maintaining the system.

- INCT 2902 - Internship 2 hrs./ 90 clock hrs.
- ICT Electives 26 hrs./ 390 clock hrs.

Total: 60 hrs./ 1215 clock hrs.

AAS - ICT Computer/Networking Support

Transferable General Education Courses Required for AAS

ENGL 1015 - English Composition I

Total Credits = Cr: 3  
Lecture = Lec: 3
The study of the basic rhetorical modes of English composition with emphasis on prewriting, writing, and revising techniques utilizing correct English grammar, usage, and punctuation. Prerequisites: English score of at least 20 on the Enhanced ACT, successful completion of Developmental English, or permission of the campus CAO.

**MATH 1015 - College Algebra**

Total Credits = Cr: 3  
Lecture = Lec: 3;

Linear and quadratic equations and inequalities, radical and rational equations, complex numbers, graphing, functions, exponential and logarithmic functions, polynomial equations, systems of linear equations and inequalities.

**Prerequisites:** Math score of at least 21 on the Enhanced ACT, successful completion of Developmental Math, or permission of the campus CAO

**PSYC 2015 - Introduction To Psychology**

Total Credits = Cr: 3  
Lecture = Lec: 3;

An overview of psychology designed to expose students to the major theories, research practices, and applied areas of psychology.

**PHSC 1015 - Physical Science I**

Total Credits = Cr: 3  
Lecture = Lec: 3;

Introductory study of topics in physical science including motion, energy, temperature, light and sound, electricity, and atomic structure.

**SPCH 1015 - Introduction To Public Speaking**

Total Credits = Cr: 3  
Lecture = Lec: 3;

Designed to teach students basic public presentation principles and skills. Students complete one speech each of personal introduction, information, persuasion, demonstration, and special occasion (influential person).

Total: 75 hrs./ 1440 clock hrs.
ICT Computer Support Electives:

ACCT 1100 - Principles Of Accounting Part I

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers fundamental principles of double-entry accounting, with emphasis on journalizing, posting, and the preparation of financial statements; also accounting for cash and work at close of the fiscal period using the cash basis for a service enterprise. Recommend completion of or placement out of developmental coursework.

ACCT 1500 - Computerized Accounting

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers basic accounting principles utilizing the application of a computerized accounting package which includes setting up the accounting system, recording routine transactions, preparing financial statements, and completing the year-end operations.

Prerequisites: ACCT 1200 **concurrent enrollment in ACCT 1200 is acceptable**

INCT 1320 - Introduction To Database Development

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;

The student will develop an understanding of database systems and database structure. The Structured Query Language (SQL) will be used to manipulate database records. A report generator will be used to produce reports.

- INCT 2261 - Desktop Support 4 hrs./ 90 clock hrs.
- CPTR 2640 - Advanced Spreadsheet Applications 3 hrs./ 60 clock hrs.
- INCT 2650 - Advanced Database Development 3 hrs./ 75 clock hrs.
- CPTR 2650 - Advanced Database Application 3 hrs./ 60 clock hrs.
- CPTR 1860 - Programming Language I 3 hrs./ 75 clock hrs.
- CPTR 2860 - Programming Language II 3 hrs./ 75 clock hrs.

ICT Security Electives:

INCT 2040 - Designing Security For A Client/Server Network
Total Credits = Cr: 4  
Lecture = Lec: 2; / Laboratory = Lab: 2;

This course is designed to provide students with the knowledge and skills to design a secure network infrastructure. Topics include assembling the design team, modeling threats, and analyzing security risks in order to meet business requirements for securing computers in a networked environment. This course provides the skills and knowledge to prepare for Microsoft Certified Professional Exam 70-298.

INCT 2120 - Introduction To Basic Routers

Total Credits = Cr: 4  
Lecture = Lec: 2; / Laboratory = Lab: 2;

This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction includes, but is not limited to, the Open System Interconnection (OSI) Reference Model, local area networks (LANs), wide area networks (WANs), transmission control protocol/Internet protocol (TCP/IP) addressing, routers, router configuration, routing and routing protocols, internet work open system (IOS) images and network troubleshooting. Particular emphasis is given to understanding the nature of and component of networks that make up LANs, WANs and the Internet. Students will become familiar with the use of command protocols that are used when configuring networks and will learn how to troubleshoot a 5-router topology.

INCT 2545 - Network Security: Ethical Hacking

Total Credits = Cr: 3  
Lecture = Lec: 2; / Laboratory = Lab: 1;

This class will immerse the student into an interactive environment where they will be shown how to scan, test and secure their own systems. The lab intensive environment gives each student in-depth knowledge and practical experience with the current essential security systems. Students will begin by understanding how perimeter defenses work and then be lead into scanning and attacking their own networks, no real network is harmed. Students then learn how intruders escalate privileges and what steps can be taken to secure a system.

INCT 2840 - Managing Network Security

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;

This course is intended to serve the needs of individuals interested in understanding the field of network security and how the field relates to other areas of information technology. Individuals will study, design, configure, and implement solutions that will reduce the risk of revenue lost and vulnerability.

INCT 2855 - Firewall Technology
Provides students with an understanding of firewalls and how the devices relate to other areas of information technology. Individuals will study, configure, and implement solutions using firewalls.

**INCT 2860 - Wireless Technologies**

Total Credits = Cr: 3
Lecture = Lec: 1; / Laboratory = Lab: 2;

This course will focus on the design, planning, implementation, operation, and troubleshooting of wireless networks. It will provide an overview of technologies, security and design best practices with particular emphasis on hands-on skills in wireless LAN setup and troubleshooting, site surveys, resilient WLAN design, installation, and configuration.

**ICT Network Architecture Electives:**

**INCT 2120 - Introduction To Basic Routers**

Total Credits = Cr: 4
Lecture = Lec: 2; / Laboratory = Lab: 2;

This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction includes, but is not limited to, the Open System Interconnection (OSI) Reference Model, local area networks (LANs), wide area networks (WANs), transmission control protocol/Internet protocol (TCP/IP) addressing, routers, router configuration, routing and routing protocols, internet work open system (IOS) images and network troubleshooting. Particular emphasis is given to understanding the nature of and component of networks that make up LANs, WANs and the Internet. Students will become familiar with the use of command protocols that are used when configuring networks and will learn how to troubleshoot a 5-router topology.

**INCT 2130 - Intermediate Routing And Switching**

Total Credits = Cr: 4
Lecture = Lec: 2 / Laboratory = Lab: 2

This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction, includes, but is not limited to: a review of the Open System Interconnection (OSI) Reference Model, a study of the OSI layer functions, local area network (LAN) switching, Ethernet and virtual LANS (VLANs), LAN design, interior gateway routing protocol (IGRP), access control lists (ACLs), Novell Internet Packet Exchange (IPX), and network management. Particular emphasis is given to students being able to demonstrate the ability to apply learnings from Semesters 1 and 2 to a network and to be able to explain
how and why a particular strategy is employed. In addition, the student will learn appropriate methodologies for managing networks, with emphasis placed on clear and adequate documentation of the Network.

**INCT 2140 - Wide Area Network Protocols**

Total Credits = Cr: 4  
Lecture = Lec: 2 / Laboratory = Lab: 2

This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction, includes, but is not limited to: a review of the Open System Interconnection (OSI) Reference Model, a study of the OSI layer functions, local area network (LAN) switching, Ethernet and virtual LANS (VLANs), LAN design, interior gateway routing protocol (IGRP), access control lists (ACLs), Novell Internet Packet Exchange (IPX), and network management. Particular emphasis is given to students being able to demonstrate the ability to apply learnings from Semesters 1 and 2 to a network and to be able to explain how and why a particular strategy is employed. In addition, the student will learn appropriate methodologies for managing networks, with emphasis placed on clear and adequate documentation of the Network.

- INCT 2150 - Advanced Routing 3 hrs./ 75 clock hrs.
- INCT 2160 - Remote Access 3 hrs./ 75 clock hrs.
- INCT 2170 - Multilayer Switching 3 hrs./ 75 clock hrs.

**ICT Electives:**

**INCT 1120 - Installation & Troubleshooting Lab**

Total Credits = Cr: 2  
/ Laboratory = Lab: 2;

This course is an intensive, hands-on laboratory designed to provide students with additional experience in installing, configuring, troubleshooting & problem resolution of IBM compatibles and peripherals.

**INCT 1250 - Project Management**

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;

Provides the foundation for understanding the broad concepts of successful planning, organization, and implementation within the realm of software development, enhancement, and reconfiguration. Uses real-world examples and identifies common mistakes and pitfalls. Topics covered include project management software, estimating, budgeting, scheduling, tracking, and controlling.

**INCT 1300 - Internet Applications**
A comprehensive study of Internet concepts, terminology, connection practices, researching on, designing for and publishing on the Internet, as well as a brief study of the programming basics behind the creation of Web Pages using HTML and Dynamic HTML.

**INCT 1330 - Introduction To Networking**

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;

Introduction to Networking is a foundation networking course that will cover the following topics: media and topologies, protocols and standards, network implementation, and network support. The course maps to CompTIA’s Network+ certification exam.

- INCT 1900 - Web Page Design 3 hrs./ 75 clock hrs.

**INCT 2010 - Introduction To Client/Server Networking**

Total Credits = Cr: 4  
Lecture = Lec: 2; / Laboratory = Lab: 2;

This course is designed to provide students with the knowledge and skills that are required to manage accounts and resources, maintain server resources, monitor server performance, and safeguard data in a Microsoft Windows Server™ 2003 environment. This course provides the skills and knowledge to prepare for Microsoft Certified Professional Exam 70-290

- INCT 2180 - Designing Networks 3 hrs./ 75 clock hrs.
- INCT 2190 - Internetwork Support 3 hrs./ 75 clock hrs.

**INCT 2820 - Server Technology**

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;

The Server Hardware Specialist is expected to have an in-depth understanding of the planning, installing, configuring, and maintaining servers, including knowledge of server-level hardware implementations, data storage subsystems, data recovery, and I/O subsystems. This specialist should know the interrelationships of all parts of the server system and understand the ramifications of their actions. This course provides the skills and knowledge to prepare the students for Server+ CompTIA certification.

**INCT 2830 - Cabling Infrastructure**

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;
This course is designed for students interested in the physical aspects of voice and data network cabling and installation. The course focuses on cabling issues related to data and voice connections and provides an understanding of the industry and its worldwide standards, types of media and cabling, physical and logical networks, as well as signal transmission. Students will develop skills in reading network design documentation, part list set up and purchase, pulling and mounting cable, cable management, choosing wiring closets and patch panel installation and termination as well as installing jacks and cable testing. This hands-on, lab-oriented course stresses documentation, design, and installation issues, as well as laboratory safety, on-the-job safety, and working effectively in group environments. This course will help prepare students for the BICSI Registered Certified Installer, Level 1.

**INCT 2850 - Emerging Technologies**

*Total Credits = Cr: 3*
*Lecture = Lec: 3;*

The goal of this course is to teach students the newest technological advances using hands-on demonstrations and lecture.

**INCT 2890 - Entrepreneurial Venture**

*Total Credits = Cr: 3*
*Lecture = Lec: 3;*

Students enrolled in this course will explore the concepts of business planning, entrepreneurship and develop a business plan. They will explore whether their business concept meets their personal vision and goals; learn strategies to successfully market their business; understand how to price their new product or service; and learn how to develop sound financial statements and access capital. Students will apply the knowledge they learn to develop a business plan as they progress through the course.

- INCT 2910 - Home Technology Integrator 3 hrs./ 75 clock hrs.
- INCT 2920 - Network Defense and Countermeasures 3 hrs./ 75 clock hrs.
- INCT 2925 - Hardening the Network Infrastructure 3 hrs./ 75 clock hrs.
- INCT 2930 - Enterprise Security Implementation 3 hrs./ 75 clock hrs.
- INCT 2935 - Advanced Security Implementation 3 hrs./ 75 clock hrs.
- INCT 1391 - Procedural Programming Language I 7 hrs./ 195 clock hrs.
- INCT 1451 - Basic Programming I 7 hrs./ 195 clock hrs.
- INCT 1461 - C++ Programming I 7 hrs./ 195 clock hrs.
- INCT 1470 - CL Programming 3 hrs./ 75 clock hrs.
- INCT 1491 - RPG Programming I 7 hrs./ 195 clock hrs.
- INCT 1500 - Internet Programming Language I 3 hrs./ 75 clock hrs.
- INCT 1801 - Java Programming I 7 hrs./ 195 clock hrs.
- INCT 2500 - Internet Programming Language II 3 hrs./ 75 clock hrs.

**May Not Be Substituted:**

The following courses may not be substituted for the above course requirements.

**INCT 2991 - Special Projects, I**
A course designed for the student who has demonstrated specific special needs.

**INCT 2993 - Special Projects, II**

Total Credits = Cr: 1
/Laboratory = Lab: 1;

A course designed for the student who has demonstrated specific special needs.

**INCT 2995 - Special Projects, III**

Total Credits = Cr: 3
/Laboratory = Lab: 3;

A course designed for the student who has demonstrated specific special needs.

**INCT 2996 - Special Projects, IV**

Total Credits = Cr: 3
Lecture = Lec: 3;

A course designed for the student who has demonstrated specific special needs.

**INCT 2997 - Practicum**

Total Credits = Cr: 3
/Laboratory = Lab: 3;

A course designed for the student who has demonstrated specific special needs.

**INCT 2999 - Cooperative Education**

Total Credits = Cr: 3
/Laboratory = Lab: 3;

Cooperative Education provides supervised on-the-job work experience related to the student’s educational objectives. Students participating in Cooperative Education receive compensation for their work.
Non-Major Electives:

**CPTR 1000 - Introduction To Computers**

*Total Credits = Cr: 2*
*Lecture = Lec: 1; / Laboratory = Lab: 1;*

An introductory study of computer system components, operating system environments, Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating system features.

**Prerequisites:** None

**Optional Elective:**

**CSRV 1000 - Customer Service**

*Total Credits = Cr: 3*
*Lecture = Lec: 3*

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

**Prerequisites:** Consent of Instructor

Below are Certificate Exit Levels:

**CTS - CIP 111001 - LAN Administrator**

**INCT 1100 - Installation & Troubleshooting, Part I**

*Total Credits = Cr: 3*
*Lecture = Lec: 1; / Laboratory = Lab: 2;*

A hands-on intensive study involving PC hardware and software that prepares students for an industry-based certification such as the A+ examination. PC hardware includes installation of motherboards, various drives, and adapter cards. Software includes installation of operating systems, various applications, and communication software and their proper configuration. Provides a
A systematic approach towards PC diagnostics and troubleshooting through the use of practical industry standards diagnostic software.

**INCT 1110 - Installation & Troubleshooting, Part II**

**Total Credits = Cr:3**  
Lecture = Lec:1; Laboratory = Lab: 2;

A hands-on advanced study involving PC hardware and software that prepares students for an industry-based certification such as the A+ examination. PC hardware includes installation of motherboards, various drives, and adapter cards. Software includes installation of operating systems, various applications, and communication software and their proper configuration. Provides a systematic approach towards PC diagnostics and troubleshooting through the use of practical industry standards diagnostic software.

**CPTR 1010 - IC3**

**Total Credits = Cr: 4**  
Lecture = Lec: 2 / Laboratory = Lab: 2

IC3—The Digital Literacy Certification courseware provides skills training and assessment for a broad range of computing concepts and techniques, including competency in computer hardware and software, operating systems, word processing and spreadsheet functions, networks and the Internet, electronic mail, and an understanding of the impact of computing and the Internet in society. The courseware is divided into three modules corresponding to the three exams that form the IC3 certification.

- **KYBD 1000 - Basic Keyboarding** 2 hrs./ 45 clock hrs.

**INCT 2110 - Networking Technologies**

**Total Credits = Cr: 4**  
Lecture = Lec: 2; Laboratory = Lab: 2;

A hands-on study of networking technologies, which includes the planning, implementation, and administration of networks. The course also includes troubleshooting and security related issues.

**INCT 1200 - Operating Systems**

**Total Credits = Cr: 4**  
Lecture = Lec: 2; Laboratory = Lab: 2;

A hands-on study of operating systems which prepares students for an industry-based certification such as the MCP examination. The course includes the installation and administration of a network operating system as well as troubleshooting and optimizing techniques.

**INCT 2120 - Introduction To Basic Routers**
This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction includes, but is not limited to, the Open System Interconnection (OSI) Reference Model, local area networks (LANs), wide area networks (WANs), transmission control protocol/Internet protocol (TCP/IP) addressing, routers, router configuration, routing and routing protocols, internet work open system (IOS) images and network troubleshooting. Particular emphasis is given to understanding the nature of and component of networks that make up LANs, WANs and the Internet. Students will become familiar with the use of command protocols that are used when configuring networks and will learn how to troubleshoot a 5-router topology.

- ICT Elective 3 hrs./ 75 clock hrs.

Total: 27 hrs./ 630 clock hrs.

CTS - CIP 111001 - Network Security Technician

INCT 1100 - Installation & Troubleshooting, Part I

Total Credits = Cr: 3
Lecture = Lec:1; / Laboratory = Lab: 2;

A hands-on intensive study involving PC hardware and software that prepares students for an industry-based certification such as the A+ examination. PC hardware includes installation of motherboards, various drives, and adapter cards. Software includes installation of operating systems, various applications, and communication software and their proper configuration. Provides a systematic approach towards PC diagnostics and troubleshooting through the use of practical industry standards diagnostic software.

INCT 1110 - Installation & Troubleshooting, Part II

Total Credits = Cr:3
Lecture = Lec:1; / Laboratory = Lab: 2;

A hands-on advanced study involving PC hardware and software that prepares students for an industry-based certification such as the A+ examination. PC hardware includes installation of motherboards, various drives, and adapter cards. Software includes installation of operating systems, various applications, and communication software and their proper configuration. Provides a systematic approach towards PC diagnostics and troubleshooting through the use of practical industry standards diagnostic software.

CPTR 1010 - IC3
IC3–The Digital Literacy Certification courseware provides skills training and assessment for a broad range of computing concepts and techniques, including competency in computer hardware and software, operating systems, word processing and spreadsheet functions, networks and the Internet, electronic mail, and an understanding of the impact of computing and the Internet in society. The courseware is divided into three modules corresponding to the three exams that form the IC3 certification.

- KYBD 1000 - Basic Keyboarding 2 hrs./45 clock hrs.

**INCT 1200 - Operating Systems**

Total Credits = Cr: 4  
Lecture = Lec: 2 / Laboratory = Lab: 2

A hands-on study of operating systems which prepares students for an industry-based certification such as the MCP examination. The course includes the installation and administration of a network operating system as well as troubleshooting and optimizing techniques.

**INCT 2110 - Networking Technologies**

Total Credits = Cr: 4  
Lecture = Lec: 2 / Laboratory = Lab: 2

A hands-on study of networking technologies, which includes the planning, implementation, and administration of networks. The course also includes troubleshooting and security related issues.

**INCT 2120 - Introduction To Basic Routers**

Total Credits = Cr: 4  
Lecture = Lec: 2 / Laboratory = Lab: 2

This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction includes, but is not limited to, the Open System Interconnection (OSI) Reference Model, local area networks (LANs), wide area networks (WANs), transmission control protocol/Internet protocol (TCP/IP) addressing, routers, router configuration, routing and routing protocols, Internet work open system (IOS) images and network troubleshooting. Particular emphasis is given to understanding the nature of and component of networks that make up LANs, WANs and the Internet. Students will become familiar with the use of command protocols that are used when configuring networks and will learn how to troubleshoot a 5-router topology.

**INCT 2545 - Network Security: Ethical Hacking**

Total Credits = Cr: 3
This class will immerse the student into an interactive environment where they will be shown how to scan, test and secure their own systems. The lab intensive environment gives each student in-depth knowledge and practical experience with the current essential security systems. Students will begin by understanding how perimeter defenses work and then be lead into scanning and attacking their own networks, no real network is harmed. Students then learn how intruders escalate privileges and what steps can be taken to secure a system.

**INCT 2840 - Managing Network Security**

*Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;*

This course is intended to serve the needs of individuals interested in understanding the field of network security and how the field relates to other areas of information technology. Individuals will study, design, configure, and implement solutions that will reduce the risk of revenue lost and vulnerability.

**INCT 2855 - Firewall Technology**

*Total Credits = Cr: 7  
Lecture = Lec: 1; / Laboratory = Lab: 6;*

Provides students with an understanding of firewalls and how the devices relate to other areas of information technology. Individuals will study, configure, and implement solutions using firewalls.

Total: 33 hrs./ 735 clock hrs.

**TCA - CIP 111001 - Computer Technician**

**INCT 1100 - Installation & Troubleshooting, Part I**

*Total Credits = Cr: 3  
Lecture = Lec:1; / Laboratory = Lab: 2;*

A hands-on intensive study involving PC hardware and software that prepares students for an industry-based certification such as the A+ examination. PC hardware includes installation of motherboards, various drives, and adapter cards. Software includes installation of operating systems, various applications, and communication software and their proper configuration. Provides a systematic approach towards PC diagnostics and troubleshooting through the use of practical industry standards diagnostic software.
**INCT 1110 - Installation & Troubleshooting, Part II**

Total Credits = Cr:3  
Lecture = Lec:1; / Laboratory = Lab: 2;

A hands-on advanced study involving PC hardware and software that prepares students for an industry-based certification such as the A+ examination. PC hardware includes installation of motherboards, various drives, and adapter cards. Software includes installation of operating systems, various applications, and communication software and their proper configuration. Provides a systematic approach towards PC diagnostics and troubleshooting through the use of practical industry standards diagnostic software.

**CPTR 1010 - IC3**

Total Credits = Cr: 4  
Lecture = Lec: 2 / Laboratory = Lab: 2

IC3–The Digital Literacy Certification courseware provides skills training and assessment for a broad range of computing concepts and techniques, including competency in computer hardware and software, operating systems, word processing and spreadsheet functions, networks and the Internet, electronic mail, and an understanding of the impact of computing and the Internet in society. The courseware is divided into three modules corresponding to the three exams that form the IC3 certification.

- KYBD 1000 - Basic Keyboarding 2 hrs./ 45 clock hrs.

Total: 12 hrs./ 285 clock hrs.

**TCA - CIP 111001 - Wide Area Network Technician**

**INCT 2110 - Networking Technologies**

Total Credits = Cr: 4  
Lecture = Lec: 2; / Laboratory = Lab: 2;

A hands-on study of networking technologies, which includes the planning, implementation, and administration of networks. The course also includes troubleshooting and security related issues.

**INCT 2120 - Introduction To Basic Routers**

Total Credits = Cr: 4  
Lecture = Lec: 2; / Laboratory = Lab: 2;
This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction includes, but is not limited to, the Open System Interconnection (OSI) Reference Model, local area networks (LANs), wide area networks (WANs), transmission control protocol/Internet protocol (TCP/IP) addressing, routers, router configuration, routing and routing protocols, internet work open system (IOS) images and network troubleshooting. Particular emphasis is given to understanding the nature of and component of networks that make up LANs, WANs and the Internet. Students will become familiar with the use of command protocols that are used when configuring networks and will learn how to troubleshoot a 5-router topology.

**INCT 2130 - Intermediate Routing And Switching**

Total Credits = Cr: 4  
Lecture = Lec: 2 / Laboratory = Lab: 2

This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction includes, but is not limited to: a review of the Open System Interconnection (OSI) Reference Model, a study of the OSI layer functions, local area network (LAN) switching, Ethernet and virtual LANS (VLANs), LAN design, interior gateway routing protocol (IGRP), access control lists (ACLs), Novell Internet Packet Exchange (IPX), and network management. Particular emphasis is given to students being able to demonstrate the ability to apply learnings from Semesters 1 and 2 to a network and to be able to explain how and why a particular strategy is employed. In addition, the student will learn appropriate methodologies for managing networks, with emphasis placed on clear and adequate documentation of the Network.

**INCT 2140 - Wide Area Network Protocols**

Total Credits = Cr: 4  
Lecture = Lec: 2 / Laboratory = Lab: 2

This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction includes, but is not limited to: a review of the Open System Interconnection (OSI) Reference Model, a study of the OSI layer functions, local area network (LAN) switching, Ethernet and virtual LANS (VLANs), LAN design, interior gateway routing protocol (IGRP), access control lists (ACLs), Novell Internet Packet Exchange (IPX), and network management. Particular emphasis is given to students being able to demonstrate the ability to apply learnings from Semesters 1 and 2 to a network and to be able to explain how and why a particular strategy is employed. In addition, the student will learn appropriate methodologies for managing networks, with emphasis placed on clear and adequate documentation of the Network.

Total: 16 hrs./ 360 clock hrs.

**TCA - CIP 111001 - Wide Area Network Professional**

- INCT 2150 - Advanced Routing 3 hrs./ 75 clock hrs.
- INCT 2160 - Remote Access 3 hrs./ 75 clock hrs.
- INCT 2170 - Multilayer Switching 3 hrs./ 75 clock hrs.
- INCT 2190 - Internetwork Support 3 hrs./ 75 clock hrs.

Total: 12 hrs./ 300 clock hrs.

**ICT: Computer/Networking Support Associate of Applied Science**

*Available at These Campuses*

- Delta Ouachita – West Monroe
- Northeast – Winnsboro

**Prepare to Successfully Pass National and Industry-Based Exams Such as:**

- IC3, Comp TIA’s A+, Network+
- Server+, HTI+, iNET+, Security+
- Cisco System’s Certified Network Associate
- Cisco Certified Network Design
- Cisco Certified Network Professional
- Microsoft’s Certified Desktop Technician

**Credential Options:**

- **Associate of Applied Science (AAS)**
  ICT Computer/Networking Support
  75 Credits

- **Technical Diploma (TD)**
  ICT Computer/Networking Support
  60 Credits

- **Certificate of Technical Studies (CTS)**
  Network Security Technician
  33 Credits

- **Certificate of Technical Studies (CTS)**
  Computer System Technician
  LAN Administrator
  27 Credits

- **Technical Competency Area (TCA)**
  Computer Operator
  Computer Technician
  Wide Area Network Technician
  Wide Area Network Professional
  10 - 16 Credits

For more detailed program information, visit our website at www.myneltc.edu.
Program Description

This program is divided into a basic core area and a specialty computer/networking area. The basic core courses of study will prepare individuals to troubleshoot, repair, and maintain computer systems and basic local area network problems. Students will also learn to operate a computer using current operating system software and use current application software for manipulating spreadsheets, databases, and word processing documents.

<table>
<thead>
<tr>
<th>Industry Based Certifications Available through Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>IC3</td>
</tr>
<tr>
<td>MOS 2007</td>
</tr>
<tr>
<td>NRF Customer Service</td>
</tr>
</tbody>
</table>

Admissions Procedure

- Must be at least 16 years of age.
- Complete admission application and pay $5 fee.
- Take the COMPASS exam at a cost of $15 (contact campus or view website for testing dates & times at each campus).
- High School Diploma or GED is required for unconditional entry into the AAS degree.

Financial Aid is Available

Northeast Louisiana Technical College participates in the following financial aid programs: Pell Grant, WIA, STEP, TOPS Tech, TOPS Tech Early Start, LEAP, Go Grant, Vocational Rehabilitation, Veterans Benefits, VA, and Voc. Rehab. Program requirements and inquiries should be directed to the Financial Aid Office.

Calendar of Operations

The academic calendar operates on fall and spring semesters, as well as a summer session, as follows:

<table>
<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Range</td>
<td>August—December</td>
<td>January—May</td>
<td>June—August</td>
</tr>
</tbody>
</table>

Day Classes – 8 a.m. until 3 p.m.

Evening Classes – time varies

Grading Scale

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90 – 100%</td>
<td>Excellent</td>
</tr>
<tr>
<td>B</td>
<td>80% - 89%</td>
<td>Above Average</td>
</tr>
<tr>
<td>Grade</td>
<td>Average Percentage</td>
<td>Grade Level</td>
</tr>
<tr>
<td>-------</td>
<td>---------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>C</td>
<td>70 – 79%</td>
<td>Average</td>
</tr>
<tr>
<td>D</td>
<td>60 – 69%</td>
<td>Below Average</td>
</tr>
<tr>
<td>F</td>
<td>59% or Below</td>
<td>Failure</td>
</tr>
</tbody>
</table>

## Costs Associated with Program Enrollment

<table>
<thead>
<tr>
<th>Cost</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition per Credit Hour</td>
<td>$30.25 (maximum for 12 or more hours = $363)</td>
</tr>
<tr>
<td>Semester Registration</td>
<td>$5</td>
</tr>
<tr>
<td>Course Materials Fee</td>
<td>$5 per course</td>
</tr>
<tr>
<td>Academic Excellence Fee</td>
<td>$7 per credit hour (maximum fee of $84)</td>
</tr>
<tr>
<td>SGA Student Activity Fee</td>
<td>$10 per semester</td>
</tr>
<tr>
<td>Operational Fee</td>
<td>$2 per credit hour (maximum fee of $18)</td>
</tr>
<tr>
<td>Technology Fee</td>
<td>$5 per credit hour (maximum fee of $60)</td>
</tr>
<tr>
<td>Data Base Fee</td>
<td>$16 per semester</td>
</tr>
<tr>
<td>Student I.D. Fee</td>
<td>$5</td>
</tr>
<tr>
<td>Parking Decal Fee</td>
<td>$5 per academic year</td>
</tr>
</tbody>
</table>

*NOTE: Additional charge for books and supplies.*

- Tuition doubles for out-of-state students.

Program Cost Sheets Available Upon Request

## Developmental Studies

Remedial assistance is available in reading, math, and/or English for students who have placement scores below program requirements.

## Institutional Mission

The mission of Northeast Louisiana Technical College is to prepare Louisiana’s citizens for improved quality of life, workforce success, and continued learning.

## Accreditation
Northeast Louisiana Technical College is accredited by the Council on Occupational Education. Contact COE at 7840 Roswell Road, Building 300, Suite 325, Atlanta, GA 30350 for questions about the accreditation status of Northeast Louisiana Technical College.

For additional information, please visit our web site:
www.myneltc.edu

Campus Locations & Contact Information

NELTC, Delta Ouachita Main Campus
609 Vocational Parkway ♦ West Monroe, LA 71292
Telephone: 318.397.6100 ♦ Fax: 318.397.6106

NELTC, Bastrop Branch Campus
729 Kammell Street ♦ Bastrop, LA 71221-1120
Telephone: 318.283.0836 ♦ Fax: 318.283.0871

NELTC, Northeast Louisiana Branch Campus
1710 Warren Street ♦ Winnsboro, LA 71295
Telephone: 318.435.2163 or 2164 ♦ Fax: 318.435.2166
Toll Free: 1.888.320.6133

NELTC, Ruston Branch Campus
1010 James Street ♦ Ruston, LA 71273-1070
Telephone: 318.251.4145 ♦ Fax: 318.251.4159

NELTC, Bastrop Airport Extension Campus
6376 Airport Road ♦ Bastrop, LA 71221-1120
Telephone: 318.283.0836 ♦ Fax: 318.283.0871

NELTC, North Central Branch Campus
605 West Boundary ♦ Farmerville, LA 71241
Telephone: 318.368.3179 ♦ Fax: 318.368.9180

Northeast Louisiana Technical College assures equal opportunity for all qualified persons without regard to race, religion, sex, national origin, age, disability, marital status or veteran’s status in admission to, participation in, or employment in the program and activities of the college. Northeast Louisiana Technical College welcomes disabled individuals and has made buildings accessible to them. For specific information on services and facilities, interested parties should contact 318.397.6100.

Opportunity is Waiting For You!
www.myneltc.edu

LDCC General Education Requirement

The general education requirements below are to be used in conjunction with the Associate of Arts/Science Louisiana Transfer (AALT and ASLT) degrees, all of which go into effect for the fall 2010 semester. General education courses should be selected so that they meet the requirements of the associate degree being pursued as well as the requirements of the anticipated major at the university to which the student intends to transfer.

Students completing a Louisiana transfer degree must complete all general education courses, as well as all other courses for the transfer degree, with grades of “C” or better.
English Composition 6 hours

6 hours—Complete both courses.

ENGL 101 - English Composition I

Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

ENGL 102 - English Composition

Total Credits = Cr. 3
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

Prerequisites: ENGL 101 with a grade of “C” or higher.

Humanities 9 Hours

9 hours including 3 in literature.

ENGL 201 - English Literature

Total Credits = Cr. 3
Lecture = Lec. 3

This course is a survey of important works of English literature from the Anglo-Saxon period to the Restoration and Eighteenth Century. Writers studied in the course will include Chaucer, Marlowe, Shakespeare, Donne, Milton, Swift and others.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 202 - English Literature

Total Credits = Cr. 3
Lecture = Lec. 3

This course is a survey of important works of English literature from the Romantic Period through the Twentieth Century. Writers studied in the course will include Blake, Shelley, Wordsworth, Keats, Byron, Coleridge, Browning, Tennyson, Conrad,
Yeats, Joyce, Lawrence, Eliot, Auden and others.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

---

**ENGL 203 - American Literature I**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

This course will be a survey of significant works in American Literature from its beginnings to 1860. Included in the course are Native American myths, works by early explorers and settlers, the literature of reason and revolution, and the Romantic and Transcendental movements.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

---

**ENGL 204 - American Literature II**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

A survey of American Literature from 1860 to the present. Major writers include Whitman, Dickinson, Twain, Frost, Eliot, Hemingway, Faulkner and Steinbeck, as well as the rising voices of ethnic and women’s literature in the 20th century.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

---

**ENGL 205 - World Literature**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

A survey of the major works of World Literature from the Classical Period to the Renaissance, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

---

**ENGL 206 - World Literature**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

A survey of the major works of World Literature from the Renaissance to the present, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.
ENGL 207 - Literature Of The Old Testament

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is a survey of literature found in the Old Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

Prerequisites: ENGL 102 with “C” or higher.

ENGL 208 - Literature Of The New Testament

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is a survey of literature found in the New Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

Prerequisites: ENGL 102 with “C” or higher.

ENGL 211 - Survey Of Short Stories & Novels

Total Credits = Cr. 3  
Lecture = Lec. 3

Skills for reading and writing about fiction; attention to generic conventions and critical perspectives; section emphasis may vary; consult departmental handout.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 215 - Introduction To Drama & Poetry

Total Credits = Cr. 3  
Lecture = Lec. 3

The course is designed to develop in students an ability to understand, analyze and evaluate drama and poetry. The first half of the course focuses on drama and introduces the student to plays from the Greek classics through the twentieth century. The second half of the course emphasizes poetry that reflects different forms, subjects, themes and points of view. Since reading is a major focus of this course, students will practice a variety of interrelated reading and interpretative skills. Students’ writing should move beyond paraphrasing into analysis, interpretation and argumentation.

Prerequisites: ENGL 102 with a grade of “C” or higher.
**FREN 101 - Elementary French I**

Total Credits = Cr. 3  
Lecture = Lec. 3

A beginning course designed for students with no previous knowledge of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

**FREN 102 - Elementary French II**

Total Credits = Cr. 3  
Lecture = Lec. 3

A continuation of FREN 101. designed for students who have completed one semester of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

**Prerequisites:** FREN 101

**FREN 201 - Intermediate French**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** FREN 101, FREN 102

**FREN 202 - Intermediate French**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** FREN 101, FREN 102, FREN 201

**HIST 101 - Western Civilization To 1650 A.D.**
HIST 102 - Western Civilization Since 1650 A.D.

HIST 201 - History Of The United States 1492-1877

HIST 202 - History Of The Us 1877-present

PHIL 201 - Introduction To Philosophy

SPCM 110 - Fundamentals Of Speech
is a summary of this academic and professional field and is comprised of the component parts of organizational and business communication, mass communication, small group and interpersonal communication, as well as public speaking.

**SPCM 120 - Intro To Public Speaking**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3;**

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

**SPCM 130 - Interpersonal Communication**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3;**

This speech and personal communication course is designed for students who are interested in improving their personal knowledge and practice of the principles that govern their interpersonal (usually one-to-one) and intrapersonal (within oneself) communication behavior on a daily basis. This course applies to personal, social and professional context interactions and relationships that often govern their success personally, professionally and in everyday social activities.

**SPAN 101 - Elementary Spanish I**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3;**

An introduction to Spanish language and culture. The course explores the basic grammatical structures of the Spanish language. Throughout the semester, students will develop writing, reading and speaking skills. Emphasis will be placed on communicative skills.

**SPAN 102 - Elementary Spanish II**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3;**

A continuation of SPAN 101. The course will extend students’ elementary knowledge of the basic grammatical structures of the Spanish language. Throughout the semester, students will continue to develop reading, writing and speaking skills. Emphasis will be placed on communication skills.  
**Prerequisites:** SPAN 101 with “C” or higher

**SPAN 201 - Intermediate Spanish I**
Total Credits = Cr. 3  
Lecture = Lec. 3;  

This course is designed to build upon and extend students’ elementary knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: SPAN 102 with “C” or higher

SPAN 202 - Intermediate Spanish II

Total Credits = Cr. 3  
Lecture = Lec. 3;  

This course is designed to build upon and extend students’ intermediate knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: SPAN 201 with “C” or higher

Fine Arts 3 Hours

ARTS 120 - Art Appreciation

(Formerly ARTS 101)

Total Credits = Cr. 3  
Lecture = Lec. 3

Lecture and discussion of the visual arts with emphasis on how and why works have been created in present and earlier times. All major forms of drawing, painting, printmaking, sculpture, design and architecture are explored in basic terms.

ARTS 201 - Survey Of Art History I

Total Credits = Cr. 3  
Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the prehistoric period through the Gothic.

ARTS 202 - Survey Of Art History II
This survey course is an introduction to the history of visual art through the study of selected masterworks from the Renaissance to Modern time.

**MUSC 101 - Music Appreciation**

This course is designed to foster an understanding of music through the study of selected examples of musical works. Emphasis is placed upon the analysis of compositions in conjunction with references to cultural and historical developments.

**THEA 190 - Theatre Appreciation**

This course seeks to improve both the appreciation for and understanding of theatre art that includes the structure, focus and purpose of dramatic literature, its presentation (acting), and directing/managing, as well as physical designing (scenery, lighting, costumes, make-up) and related theatrical elements. This course, where possible, includes attendance at local theatrical presentations.

**Natural Sciences 9 Hours**

9 hours including a sequence

Students must complete a six-hour sequence in either the biological or physical sciences. The remaining three hours must be in the opposite area (i.e., both biological and physical sciences must be taken).

**Biological Sciences Sequence Courses:**

**BIOL 101 - General Biology I**

Course surveys the building blocks of life, basic principles of genetics, evolution and diversity, basic principles of the form and function of plants, animal anatomy, physiology and behavior and their effects on ecology (for non-science majors.)

**Prerequisites:** Eligibility for ENGL 101 and MATH 110.
BIOL 102 - General Biology II

Total Credits = Cr. 3  
Lecture = Lec. 3

Course covers the structure of the human body, its functions and its interaction with the environment and mankind.

Prerequisites: BIOL 101 with a grade of “C” or higher

BIOL 201 - Principles Of Biology I

Total Credits = Cr. 3  
Lecture = Lec. 3

This course covers the concept of scientific methodology, genetics, cell structure and development, evolution and ecology and provides a laboratory component that coincides with the lecture; Designed for students majoring in a science related field.

Prerequisites: Eligibility for ENGL 101 and MATH 110 and successful completion of PHSC 120 or a high or college level chemistry.

BIOL 202 - Principles Of Biology II

Total Credits = Cr. 3  
Lecture = Lec. 3

This course covers the concepts of human evolution and effects on ecology, ecological interactions, natural selection, adaptation, speciation and phylogeny.

Prerequisites: Grade of “C” or higher in BIOL 201

BIOL 221 - Human Anatomy And Physiology I

Total Credits = Cr. 3  
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body. The emphasis of the lecture will be on the physiology of organs and tissues. Topics covered will include the human organism, chemical basis of life, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, spinal cord, spinal nerves, brain, cranial nerves, and integration of nervous system functions, autonomic nervous system and special senses. This course is designed for science majors and students majoring in a pre-allied health related field.

Prerequisites: Eligibility to enroll in ENGL 101 and MATH 110 and successful completion of PHSC 120 or high school or college level chemistry.
Corequisites: Concurrent enrollment in BIOL 223, Human Anatomy & Physiology I Laboratory.
BIOL 222 - Human Anatomy & Physiology II

Total Credits = Cr. 3  
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body covering the endocrine system, cardiovascular, lymphatic (immune), respiratory, digestive, urinary and reproductive systems, development, growth, aging, nutrition, acid base balance and genetics. This course is designed for science majors and students majoring in a pre-allied health related field.

Prerequisites: Completion of BIOL 221 and BIOL 223 with a grade of C or better.  
Corequisites: Concurrent enrollment in BIOL 224, Human Anatomy & Physiology II Laboratory.

Physical Science Sequence Courses:

CHEM 101 - General Chemistry

Total Credits = Cr. 3  
Lecture = Lec. 3

An introduction to chemistry, this course presents the basics of inorganic chemistry including the following topics: scientific measurements and calculations, elements and compounds, bonding, stoichiometry, calorimetry, gases, solutions and concentrations, acids and bases. Integrated into this course are problem-solving and quantitative approaches. This course is intended for non-science and pre-allied health majors.

Prerequisites: Completion of MATH 110 with a grade of “C” or higher; Grade of “C” or better in College Algebra or and ACT score of 20 in math.  
Corequisites: Concurrent enrollment in CHEM 103;

CHEM 102 - General Chemistry II

Total Credits = Cr. 3  
Lecture = Lec. 3

Lecture course includes an introduction to organic and biochemistry chemistry for non-science majors and selected pre-allied health majors. This course presents basic principles of organic chemistry and biochemistry with emphasis on chemistry of carbon, alkanes, alkenes, alkynes, aromatics, alcohols, phenols, thiols, ethers, aldehydes, ketones, carboxylic acids, amines, amides, carbohydrates, lipids, proteins, enzymes, metabolism, and molecular genetics. Integrated into this course are problem solving and quantitative approaches.

Prerequisites: Successful completion of CHEM 101 and CHEM 103 with a grade of “C” or higher

CHEM 110 - Chemistry I
This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on atomic structure, periodicity, bonds, thermochemistry, molecular geometry, gas laws, solutions, and stoichiometry. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in College Algebra or an ACT score of 20 in math.
**Corequisites:** None

### CHEM 120 - Chemistry II

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on reaction kinetics and equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and the chemistry of metals and nonmetals. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in CHEM 110.
**Corequisites:** None

### PHSC 100 - Physical Science I

This course is a presentation of an integrated approach to essential concepts in physics such as motion, gravity, heat, electricity, magnetism, sound and light and to emphasize the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

**Prerequisites:** Eligibility to enroll in MATH 99 or higher level math

### PHSC 120 - Physical Science II

This course introduces the student to the following concepts of basic chemistry: atoms and their structure, atomic models, atomic nucleus and electron configuration, mixture, bonding, acids and bases, and oxidation and reduction.

**Prerequisites:** Eligibility for MATH 99 or higher level math

### PHYS 210 - General Physics I
This first semester of a two-semester sequence is an overview of basic concepts and principles of mechanics, heat, and sound. This course is intended for science majors.

**Prerequisites:** Successful completion of MATH 111, Plane Trigonometry, with a grade of “C” or higher;  
**Corequisites:** Concurrent enrollment in PHYS 211, General Physics I Laboratory

**PHYS 220 - General Physics II**

This second semester of a two-semester sequence is an overview of basic concepts and principles of optics, electricity, magnetism, and other topics of modern physics. This course is intended for science majors.

**Prerequisites:** Successful completion of PHYS 210 & PHYS 211 with a grade of “C” or higher;  
**Corequisites:** Concurrent enrollment in PHYS 221, General Physics II Laboratory

**GEOL 101 - Physical Geology**

An introduction to the scope of geology, the external and internal features of the earth such as landforms, and the agents which are responsible for them including volcanoes, glaciers, earthquakes, wind and running water.

**GEOL 102 - Historical Geology**

The development, changes and destruction of the land features and sea areas of the earth and the changing panorama of plant and animal life from the earth’s origin to the present day.

**Prerequisites:** Successful completion of GEOL 101, Physical Geology, with a grade of “C” or higher or by special permission.

**SCIE 101 - Introductory Earth Science I**

This course is intended for science majors.
This survey course will present an integrated approach to general earth science with an emphasis on the following: geology with an introduction to oceanography, meteorology, and astronomy. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. Field trips may be arranged, but not required.

Prerequisites: None;  
Corequisites: None

SCIE 102 - Introductory Earth Science II

Total Credits = Cr.3  
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. General Earth Science 102 will include the following disciplines: geology, oceanography, meteorology, and astronomy with emphasis on oceanography, meteorology, and astronomy. Field trips may be arranged, but not required

Prerequisites: None- Students may enroll in SCIE 102 without having taken SCIE 101;  
Corequisites: None

Individual Biological Sciences Courses:

BIOL 210 - General Microbiology

(formerly BIOL 212)

Total Credits = Cr. 3  
Lecture = Lec. 3

Course presents an integrated approach to essential concepts in Microbiology and provides a foundation for practical, hands-on work and critical thinking that are a part of science and medical based professions(for science majors).

Prerequisites: Successful completion of BIOL 221 and BIOL 223 with a grade of “C” or higher.  
Corequisites: Concurrent enrollment in BIOL 211, General Microbiology Laboratory

BIOL 228 - Pathophysiology

Total Credits = Cr. 3  
Lecture = Lec. 3

A detailed study of the mechanisms of disease, alterations in body defenses and the effects on the following body systems: hematological, cardiovascular, respiratory, urinary, gastrointestinal, endocrine, reproductive, nervous, skeletal and integumentary.
**Prerequisites:** Completion of BIOL 221, BIOL 222, BIOL 223 & BIOL 224 with a grade of “C” or higher in each.

**BIOL 230 - Principles Of Zoology**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is designed for students with majors and minors in biological science. The course presents the major concepts of biology as illustrated by animal life and studies selected vertebrates as laboratory animals. An introduction to the anatomy, physiology, classification, and relationships of major animal phyla will be covered. Emphasis will be placed on levels of organization, reproduction, evolution of animal life, diversity and the environment. This course may be used as a general science elective to satisfy the core content requirements.

**Prerequisites:** Eligibility for MATH 110 and ENGL 101; Successful completion of PHSC 120 or high school or college level chemistry.

**SCIE 114 - Environmental Science & Lab**

Total Credits = Cr 3  
Lecture = Lec. 3;

Study of the interactions of human activity with the environment and the future impact of these actions. Ecological, impact, sustainable management and risk analysis will be integrated throughout the course.

**Prerequisites:** Completion of MATH 110 with a grade of “C” or higher.

**Individual Physical Science Courses:**

**PHYS 110 - Foundations Of Astronomy**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course presents an integrated approach to basic astronomy and astronomical concepts. Basic science skills such as the scientific method are highlighted through astronomy. Astronomic concepts will include the following topics: light and properties of light, lenses, astrophotography, and formation of the universe, galaxies, solar systems, and planets. Practical observational techniques of space objects are performed through use of telescopes. Sunspot activity is monitored via the Internet and through observations of the sun with the appropriate equipment.

**Prerequisites:** Eligibility to enroll in MATH 99 or higher level math.

**Math/Analytical Reasoning 6 Hours**
6 hours specific to degree program

**MATH 105 - College Algebra (Expanded)**

**Total Credits = Cr. 5**  
Lecture = Lec. 5;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

**Prerequisites:** Placement based on placement survey of ACT score.

**MATH 110 - College Algebra**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

**Prerequisites:** Placement based on placement survey of ACT score.

**MATH 111 - Plane Trigonometry**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

Trigonometric functions and identities, inverse trigonometric functions, graphs, solving triangles and equations, complex numbers and polar coordinates.

**Prerequisites:** TH 110 with “C” or higher.

**MATH 117 - A Survey Of Mathematics**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

Course covers topics from critical thinking skills, logic, the real number system, geometry and measurement, consumer mathematics, counting principles, probability, and statistics (including the normal curve).

**Prerequisites:** Grade of “C” or higher in MATH 105 or MATH 110

**MATH 120 - Precalculus**
Serves as a replacement for MATH 105 or MATH 110 and MATH 111 as a preparation for calculus. Offered to students who demonstrate a high proficiency on the appropriate math placement test. Topics from advanced algebra and trigonometry to include: real number properties, solutions of equations and inequalities, relations, functions, graphs, polynomial and rational functions, exponential and logarithmic functions, complex numbers, systems of equations, theory of equations, circular functions and analytic geometry.

**Prerequisites or Corequisites:** A grade of “C” or higher in MATH 105 or MATH 110 or a Math Enhanced ACT score of at least 22, or by permission of the department head.

**MATH 201 - Business Calculus**

Total Credits = Cr. 3  
Lecture = Lec. 3;

The course will focus on limits, continuity and differential and integral calculus for algebraic, logarithmic, and exponential functions together with applications in business and economics, such as optimization, marginal analysis and exponential growth models.

**Prerequisites:** TH 110 with “C” or higher.

**MATH 210 - Introduction To Statistics**

Total Credits = Cr.3  
Lecture = Lec. 3;

This course is designed to introduce students to the fundamentals of descriptive and inferential statistics with a pronounced emphasis on inference. The major topics include methods for analyzing sets of data, probability, probability distributions, estimation, confidence intervals, hypotheses testing, simple linear regression, correlation and non-parametric statistics.

**Prerequisites:** TH 110 with “C” or higher.

**MATH 220 - Calculus I**

Total Credits = Cr. 5  
Lecture = Lec. 5;

This is the first course of a three course sequence. The concept of a limit is introduced, and it is used to develop the concepts of continuity and the derivative. These are studied numerically, graphically, and analytically for a wide variety of elementary, and transcendental functions. Applications of the derivative relating to curve sketching, related rates, and optimization are developed. Definite and indefinite integrals, the Fundamental Theorem of Calculus, and applications of the integral are also introduced.

**Prerequisites or Corequisites:** Successful completion of MATH 105/MATH 110 and MATH 111 or MATH 120, or by permission of the department head.
MATH 221 - Calculus II

Total Credits = Cr. 5
Lecture = Lec. 5;

This is the second course of a three course sequence. The course continues with additional applications of the integral relating to volume, work, arc length, and surface area. Additional techniques of integration for a wide variety of functions are also developed. Other topics include: parametric equations, polar coordinates, infinite sequences and series, Taylor Polynomials, and vectors.

Prerequisites: A grade of “C” or higher in MATH 220.

Social/Behavioral Sciences 6 Hours

6 hours with at least 3 at the 200 level

ECON 201 - Macroeconomics

Total Credits = Cr. 3
Lecture = Lec. 3

A study of price and output determination, theories of production, determination of prices in regulated and unregulated industries, functional distribution of income, and international economics.

ECON 202 - Microeconomics

Total Credits = Cr. 3
Lecture = Lec. 3

A study of economics, economic concepts and economic institutions. Emphasizes the operation and function of a market economy while analyzing economic problems related to income, employment, the business cycle, money and banking, growth and development.

Prerequisites: ECON 201

GEOG 202 - Cultural Geography

Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to the concepts, themes and techniques of cultural geography; topical discussion of religion, politics, language, population, agriculture, urbanization, environmental and social problems.
**GEOG 205 - Physical Geography**

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to the concepts, themes and disciplines of physical geography. Discussion of atmospheric moisture, pressure and temperature, plate tectonics, volcanism, weathering and mass wasting, diastrophism, coastal processes, fluvial processes, global ecosystems and weather systems.

**POLI 110 - American Government**

Total Credits = Cr. 3  
Lecture = Lec. 3;

The principles, institutions, processes and functions of government. Emphasis is on the national government, the development of our constitutional system and the role of the citizen in the democratic process.

**PSYC 201 - Introduction To Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

**PSYC 225 - Child Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Physical, intellectual, social and emotional factors in child growth and development.

**Prerequisites:** PSYC 201.

**PSYC 226 - Developmental Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Physical, psychological, and social aspects of the individual from conception to death. Cultural, social, and hereditary factors that affect the individual’s behavior throughout the life cycle.
Prerequisites: PSYC 201 with a “C” or higher.

PSYC 227 - Adolescent Psychology

Total Credits = Cr. 3  
Lecture = Lec. 3;

A study of the physical and mental growth of youth during the period of adolescence and the transition from childhood to adulthood.

Prerequisites: PSYC 201 with a “C” or higher.

SOCL 201 - Introduction To Sociology

Total Credits = Cr. 3  
Lecture = Lec. 3;

As an introduction to the discipline of sociology, this course surveys and provides students with an understanding of human society and social life. It introduces students to the major subject areas of sociology, including the major theoretical perspectives and theorists; logic and techniques of research; social organization, institutions, and inequality and social change.

SOCL 202 - Contemporary Social Problems

Total Credits = Cr. 3  
Lecture = Lec. 3;

A description and sociological analysis of major contemporary social problems in American society. The focus is on both the individual and societal levels (on both social action and social structure) and on the reciprocal relationship between them.

Prerequisites: SOCL 201 with “C” or higher.

Nurse Assistant, T.C.A.

Program Type: Technical Competency Area (TCA)  
Program Length: 5 Credit Hours/155 Clock Hours

Program Description

The Nurse Assistant Certificate Program prepares students for employment in long-term care facilities, home health agencies, and hospitals where basic bedside nursing care is needed. Classroom instruction includes an introduction to health care, essential OBRA skills required for certification, body structure and function, and the job-seeking process, with an introduction to computer skills, as it relates to the health care industry. Students participate in clinical activities at approved facilities under the supervision of the instructor.
Upon successful completion of this program the student is qualified for universal certification and employment in the areas of long-term care, home health care, and acute care.

Nurse Assistant Course Listing

TCA - Nurse Assistant

HNUR 1211 - Nursing Fundamentals I

Total Credits = Cr: 4
Lecture = Lec: 3 / Laboratory = Lab: 1

Theory (45hrs) and supervised skills lab (30hrs) experiences that focus on providing basic nursing skills to meet the physiological, psychosocial, socio-cultural, and spiritual needs of clients in various health care environments. Infection control information and skills are presented as part of this course. Omnibus Budget Reconciliation Act (OBRA) guidelines are presented as application of the nursing process in the management of clients with health alterations.

- HCOR 1212 - Skills Application 1 hr./ 80 clock hrs.

Total: 5 hrs./ 155 clock hrs.

Optional Electives:

CSRV 1000 - Customer Service

Total Credits = Cr: 3
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

Prerequisites: Consent of Instructor

May Not Be Substituted:

The following courses may not be substituted for the above requirements.

- HCOR 2991 - Special Projects I 1 hr./ 30 clock hrs.
Nursing, A.S.N.

Students desiring admission to the Nursing Degree Program must first meet general admission requirements for Louisiana Delta Community College and must be unconditionally accepted for admission to the college. Students must subsequently make application to the Division of Nursing & Allied Health in order to be considered for admission to the Nursing Degree Program. Successful completion of the Degree of Associate of Science in Nursing will allow a graduate to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

Program of Study

General Education Courses

English Composition 6 hours

ENGL 101 - English Composition I

**Total Credits = Cr. 3**
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

**Prerequisites:** ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

ENGL 102 - English Composition

**Total Credits = Cr. 3**
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

**Prerequisites:** ENGL 101 with a grade of “C” or higher.

Mathematics 6 hours
MATH 105 - College Algebra (Expanded)

Total Credits = Cr. 5  
Lecture = Lec. 5;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

MATH 110 - College Algebra

Total Credits = Cr. 3  
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

MATH 210 - Introduction To Statistics

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course is designed to introduce students to the fundamentals of descriptive and inferential statistics with a pronounced emphasis on inference. The major topics include methods for analyzing sets of data, probability, probability distributions, estimation, confidence intervals, hypotheses testing, simple linear regression, correlation and non-parametric statistics.

Prerequisites: TH 110 with “C” or higher.

Biology 12 hours

BIOL 221 - Human Anatomy And Physiology I

Total Credits = Cr. 3  
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body. The emphasis of the lecture will be on the physiology of organs and tissues. Topics covered will include the human organism, chemical basis of life, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, spinal cord, spinal nerves, brain, cranial
nerves, and integration of nervous system functions, autonomic nervous system and special senses. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Eligibility to enroll in ENGL 101 and MATH 110 and successful completion of PHSC 120 or high school or college level chemistry.

**Corequisites:** Concurrent enrollment in BIOL 223, Human Anatomy & Physiology I Laboratory.

**BIOL 223 - Human Anatomy & Physiology I Lab**

**Total Credits = Cr. 1**
/Laboratory = Lab 3

**Prerequisites or Corequisites:** Concurrent enrollment in or successful completion of BIOL 221 with a grade of “C” or higher.

**BIOL 222 - Human Anatomy & Physiology II**

**Total Credits = Cr. 3**
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body covering the endocrine system, cardiovascular, lymphatic (immune), respiratory, digestive, urinary and reproductive systems, development, growth, aging, nutrition, acid base balance and genetics. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Completion of BIOL 221 and BIOL 223 with a grade of C or better.

**Corequisites:** Concurrent enrollment in BIOL 224, Human Anatomy & Physiology II Laboratory.

**BIOL 224 - Human Anatomy & Physiology II Lab**

**Total Credits = Cr. 1**
/Laboratory = Lab 3

**Prerequisites or Corequisites:** Concurrent enrollment in or successful completion of BIOL 222 with a grade of “C” or higher.

**BIOL 210 - General Microbiology**

(formerly BIOL 212)

**Total Credits = Cr. 3**
Lecture = Lec 3

Course presents an integrated approach to essential concepts in Microbiology and provides a foundation for practical, hands-on work and critical thinking that are a part of science and medical based professions(for science majors).
**Prerequisites:** Successful completion of BIOL 221 and BIOL 223 with a grade of “C” or higher.

**Corequisites:** Concurrent enrollment in BIOL 211, General Microbiology Laboratory

**BIOL 211 - General Microbiology Lab**

Total Credits = Cr. 1

/ Laboratory = Lab 3

Laboratory designed to accompany and enhance techniques and concepts addressed in BIOL 210, General Microbiology lecture.

**Prerequisites or Corequisites:** Concurrent enrollment in or successful completion of BIOL 210, General Microbiology, with a grade of “C” or higher.

**Academic Skills Seminar 1 hour**

**ACSE 100 - Academic Seminar**

Total Credits = Cr. 1

Lecture = Lec. 1

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average. Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.

**Psychology 3 hours**

**PSYC 201 - Introduction To Psychology**

Total Credits = Cr. 3

Lecture = Lec. 3;

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

**Fine Arts Elective 3 hours**

**Humanities Elective 3 hours**
CINS 101 - Introduction To Computers

Total Credits = Cr. 3
Lecture = Lec. 3

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.

Required Courses

NURS 112 - Basics In Nursing

Total Credits = Cr. 5
Lecture = Lec. 3(3 hr/wk); / Laboratory = Lab 2(6 hr/wk);

An introduction to the basic standards, concepts, and processes required for quality and safety in nursing. The classroom, laboratory, and clinical practice components provide opportunities for development of the basic knowledge, skills and attitude necessary for competence and accountability in the delivery of healthcare at the beginning level. The course presents the nature of nursing, nursing process, safety, illness, communication, teaching/learning, hygiene, comfort and pain, mobility and activity, rest and sleep, health assessment, oral and topical medication administration and drug calculation, oxygenation, nutrition, urinary elimination, sexuality, spirituality, and loss and grief.

Prerequisites: BIOL 221/Biol 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program.
Corequisites: NURS 115, BIOL 222/Biol 224, ENGL 102

NURS 115 - Pharmacology For Nursing

Total Credits = Cr. 3
Lecture = Lec. 3; / Laboratory = Lab 0;

An introduction to the basic standards, concepts, and processes required for quality and safety in pharmacological nursing. The didactic course provides for development of comprehension in principal actions, therapeutic uses, adverse effects, and legal and ethical implications of pharmacology in nursing at the beginning level.

Prerequisites: BIOL 221/Biol 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program.
Corequisites: NURS 112, BIOL 222/Biol 224, ENGL 102.
**NURS 122 - Nursing Of The Adult I**

**Total Credits = Cr. 8**
Lecture = Lec. 4(4 hr/wk); / Laboratory = Lab 4(12 hr/wk);

The processes in quality and safe nursing care of adults with common health disorders are emphasized in both theory and clinical practice. Opportunities are provided for the development of the knowledge, skills and attitudes necessary for competence and accountability in the delivery of healthcare at the beginning level adult nursing. The course presents nursing care of: perioperative; fluid/electrolyte and acid-base balance; pain management; sensory-perception; integument and burns; respiratory; cardiovascular; and gastrointestinal disorders.

**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, ENGL 102, NURS 112, NURS 115.

**Corequisites:** MATH 210, boil 210/211.

**NURS 219 - Parent-Child Nursing**

**Total Credits = Cr. 8**
Lecture = Lec. 4(4 hr/wk); / Laboratory = Lab 4(12 hr/wk);

The processes in quality and safe family-centered nursing care before, during, and after birth, and in alterations in newborn, child and adolescent’s health are emphasized in both theory and clinical practice. Opportunities are provided for development of the knowledge, skills and attitudes necessary for competence and accountability in the delivery of healthcare in family-centered nursing.

**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/ HealthCare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, BIOL 210/BIOL 211, MATH 210.

**Corequisites:** NURS 221, humanities elective.

**NURS 221 - Mental Health Nursing**

**Total Credits = Cr. 4**
Lecture = Lec. 2(2 hr/wk); / Laboratory = Lab 2(6 hr/wk);

The process in quality and safe nursing care of adolescents and adults with alterations in mental health are emphasized in both theory and clinical practice. Opportunities are provided for development of the knowledge, skills and attitudes necessary for competence and accountability in understanding human behaviors, necessary adaptations, and the delivery of therapeutic communication skills.

**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, BIOL 210/BIOL 211, MATH 210.

**Corequisites:** NURS 219, humanities elective.
NURS 232 - Nursing Of The Adult II

**Total Credits = Cr. 9**  
Lecture = Lec. 4 (4 hr/wk); Laboratory = Lab 5 (15 hr/wk);

The processes in quality and safe nursing care of adults with complex health disorders are emphasized in both theory and clinical practice. Opportunities are provided for development of the knowledge, skills and attitudes necessary for competence and accountability in the delivery of healthcare at the advanced level of medical/surgical nursing. The course presents nursing care of immunologic/hematologic; oncology; neurologic; musculoskeletal; endocrine; renal; reproductive disorders and emergencies and disasters.

**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, MATH 210, NURS 122, NURS 219, NURS 221, humanities elective.

**Corequisites:** Fine arts elective, NURS 233.

NURS 233 - Trends, Issues, And Management

**Total Credits = Cr. 1**  
Lecture = Lec. 1 (1 hr/wk); Laboratory = Lab 0;

Economic and political aspects of standards, concepts, and processes required for quality and safety in professional nursing. The didactic course provides opportunity for gaining competence and accountability in development of the knowledge, skills, and attitudes necessary for career opportunities in quality improvement, leadership and management roles, and professional growth in nursing.

**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, MATH 210, NURS 122, NURS 219, NURS 221, humanities elective.

**Corequisites:** Fine arts elective, NURS 232.

Requirements for Admission

Admission to the Nursing Degree Program is on a selective basis. Selection recommendations are made by the Division of Nursing and Allied Health Selection Committee to the Division Head. The number of students selected each year will depend upon a number of factors including financial, personnel, and other resources available to the Nursing Program. Students must meet the following minimum criteria to be considered eligible for selection into the Nursing Program:

1. Meet the general admission requirements of the community college.
2. Submit to the Division of Nursing & Allied Health a completed Nursing Selection Form accompanied by all documents by the first Monday in October.
3. Complete the following prerequisite courses with a grade-point average of 2.5 or higher: Must have a “C” or better in each of these pre-requisites for enrollment into the college.

| Courses | Sem. Hrs. |
ENGL 101 3
MATH 105 or MATH 110 3
PSYC 201 3
BIOL 221/BIOL 223 3/1

4. Must have completed high school level chemistry, college chemistry, or PHSC 120 as pre-requisites to Biology 221/223.
5. CINS 101 or computer literacy exam is required
6. Science courses may not be more than five years old.
7. Students who have been awarded academic degrees at the Baccalaureate or Master’s level will be required to complete the same pre-requisite course work for the nursing curriculum.
8. Take the NLN-PAX RN exam within the last two years and have the results sent directly to the nursing program from NLN or previous school prior to the application deadline for the nursing program.
9. The student is able to meet the Core Performance Standards with or without accommodations.

Selection

Meeting the minimum criteria does not guarantee admission into the Nursing Program. Eligible applicants will be considered on a competitive basis. Selection decisions for the spring class will be made in October. If the number of qualified applicants exceeds available positions, the following selection criteria will be considered:

- GPA in Pre-Nursing Curriculum
- Score on NLN-PAX RN
- Previous LPN or healthcare experience with unencumbered license
- Delta student with a minimum of 9 credit hours
- Louisiana resident
- Grades on other non-nursing courses in curriculum

Once Admitted

The student admitted to the Nursing Program will receive an acceptance letter and additional information regarding the following admission requirements:

- Health History, Physical Examination, TB skin testing & Immunizations- completed health records must be submitted to the Nursing Division office by the date indicated in the acceptance letter. Cost for all health requirements will be incurred by the student.
- Urine Drug Screen- Urine drug screen results must be submitted to the Nursing Division office by the date indicated in the acceptance letter. Costs will be incurred by the student. A positive drug screen or any attempt to tamper with a specimen may subject applicant to disqualification of the application and/or dismissal from the Nursing Program.
- Criminal Background Check and Fingerprint Cards- The Louisiana State Board of Nursing (LSBN) requires persons who have been arrested, charged with, or convicted of any criminal offense in any state to petition the LSBN in writing for the right to practice as a student in Louisiana prior to enrolling in a clinical nursing course. All applicants must complete an Application for Approval to Enroll in a Clinical Nursing Course form and submit it for a criminal background check prior to enrollment in a clinical nursing course. Costs will be incurred by the student. Approval to enroll in clinical nursing courses is granted by the LSBN. If the LSBN denies or delays a student’s entrance into a nursing clinical course, the student will be dropped from the nursing program and must reapply when cleared by LSBN.
- CPR- All students accepted into the nursing program are required to have and maintain current CPR carding by the date indicated in the acceptance letter. Only American Heart Association CPR for Health Care Providers is accepted.
• Students who accept the invitation for admission to the nursing program must submit their confirmation letters by the date indicated in the acceptance letter.
• Students are required to attend a mandatory nursing orientation on the date and time to be announced.
• Students not accepted for admission should schedule an appointment for academic advisement with nursing faculty.
• Students are required to show proof of health insurance.
• Students are required to maintain nursing liability insurance coverage.

LPN to RN

Louisiana Delta Community College will make it possible for qualified LPN’s to apply to the Nursing Program using their previously earned credits and/or experience. This program is expected to begin in the summer or fall of 2010. For more information call (318) 345-9174.

Retention/Progression Guidelines

Acceptance into the Louisiana Delta Community College Nursing Program entitles the student to progress through the nursing curriculum along with the class to which he or she is admitted. In order for a student to be retained and to progress in the curriculum, a student must maintain an overall GPA of 2.0 or higher, complete all nursing courses with a grade of “C” or better and repeat any nursing course in which a grade of “D”, “F”, or “W” was earned. All non-nursing courses must be completed with a “C” no later than the semester reflected in the curriculum plan for the nursing program. A student must maintain current C.P.R. for Healthcare Providers and maintain health immunizations requirements.

Degree Requirements

Nursing students must meet all general requirements specified in this catalog. In addition all nursing students must pass all nursing courses with a “C” or better and pass all clinical components of the nursing courses. Students must participate in all course evaluations, program evaluations, and must participate to the best of their ability in selected achievement tests.

Degree Requirements for Associate of Science in Nursing

First Semester

ACSE 100 - Academic Seminar

Total Credits = Cr. 1
Lecture = Lec. 1

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average. Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.

BIOL 221 - Human Anatomy And Physiology I
A descriptive presentation of the structure and function of the organ systems of the human body. The emphasis of the lecture will be on the physiology of organs and tissues. Topics covered will include the human organism, chemical basis of life, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, spinal cord, spinal nerves, brain, cranial nerves, and integration of nervous system functions, autonomic nervous system and special senses. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites**: Eligibility to enroll in ENGL 101 and MATH 110 and successful completion of PHSC 120 or high school or college level chemistry.

**Corequisites**: Concurrent enrollment in BIOL 223, Human Anatomy & Physiology I Laboratory.

### BIOL 223 - Human Anatomy & Physiology I Lab

**Total Credits = Cr. 1**

/ Laboratory = Lab 3

**Prerequisites or Corequisites**: Concurrent enrollment in or successful completion of BIOL 221 with a grade of “C” or higher.

### ENGL 101 - English Composition I

**Total Credits = Cr. 3**

Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

**Prerequisites**: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

### MATH 105 - College Algebra (Expanded)

**Total Credits = Cr. 5**

Lecture = Lec. 5;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

**Prerequisites**: Placement based on placement survey of ACT score.

### MATH 110 - College Algebra

**Total Credits = Cr. 3**
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

**PSYC 201 - Introduction To Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

**CINS 101 - Introduction To Computers**

Total Credits = Cr. 3  
Lecture = Lec. 3

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.

Total: 14 hours

Second Semester

**ENGL 102 - English Composition**

Total Credits = Cr. 3  
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

Prerequisites: ENGL 101 with a grade of “C” or higher.

**NURS 112 - Basics In Nursing**
Total Credits = Cr. 5
Lecture = Lec. 3(3 hr/wk); / Laboratory = Lab 2(6 hr/wk);

An introduction to the basic standards, concepts, and processes required for quality and safety in nursing. The classroom, laboratory, and clinical practice components provide opportunities for development of the basic knowledge, skills and attitude necessary for competence and accountability in the delivery of healthcare at the beginning level. The course presents the nature of nursing, nursing process, safety, illness, communication, teaching/learning, hygiene, comfort and pain, mobility and activity, rest and sleep, health assessment, oral and topical medication administration and drug calculation, oxygenation, nutrition, urinary elimination, sexuality, spirituality, and loss and grief.

Prerequisites: BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program.
Corequisites: NURS 115, BIOL 222/BIOL 224, ENGL 102

NURS 115 - Pharmacology For Nursing

Total Credits = Cr. 3
Lecture = Lec. 3; / Laboratory = Lab 0;

An introduction to the basic standards, concepts, and processes required for quality and safety in pharmacological nursing. The didactic course provides for development of comprehension in principal actions, therapeutic uses, adverse effects, and legal and ethical implications of pharmacology in nursing at the beginning level.

Prerequisites: BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program.
Corequisites: NURS 112, BIOL 222/BIOL 224, ENGL 102.

Natural Science 4 hours

BIOL 222 - Human Anatomy & Physiology II

Total Credits = Cr. 3
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body covering the endocrine system, cardiovascular, lymphatic (immune), respiratory, digestive, urinary and reproductive systems, development, growth, aging, nutrition, acid base balance and genetics. This course is designed for science majors and students majoring in a pre-allied health related field.

Prerequisites: Completion of BIOL 221 and BIOL 223 with a grade of C or better.
Corequisites: Concurrent enrollment in BIOL 224, Human Anatomy & Physiology II Laboratory.
BIOL 224 - Human Anatomy & Physiology II Lab

Total Credits = Cr. 1
/ Laboratory = Lab 3

Prerequisites or Corequisites: Concurrent enrollment in or successful completion of BIOL 222 with a grade of “C” or higher.

Total: 15 hours

Third Semester

BIOL 210 - General Microbiology

(formerly BIOL 212)

Total Credits = Cr. 3
Lecture = Lec 3

Course presents an integrated approach to essential concepts in Microbiology and provides a foundation for practical, hands-on work and critical thinking that are a part of science and medical based professions (for science majors).

Prerequisites: Successful completion of BIOL 221 and BIOL 223 with a grade of “C” or higher.
Corequisites: Concurrent enrollment in BIOL 211, General Microbiology Laboratory

BIOL 211 - General Microbiology Lab

Total Credits = Cr. 1
/ Laboratory = Lab 3

Laboratory designed to accompany and enhance techniques and concepts addressed in BIOL 210, General Microbiology lecture.

Prerequisites or Corequisites: Concurrent enrollment in or successful completion of BIOL 210, General Microbiology, with a grade of “C” or higher.

MATH 210 - Introduction To Statistics

Total Credits = Cr. 3
Lecture = Lec. 3;
This course is designed to introduce students to the fundamentals of descriptive and inferential statistics with a pronounced emphasis on inference. The major topics include methods for analyzing sets of data, probability, probability distributions, estimation, confidence intervals, hypotheses testing, simple linear regression, correlation and non-parametric statistics.

Prerequisites: TH 110 with “C” or higher.

NURS 122 - Nursing Of The Adult I

Total Credits = Cr. 8
Lecture = Lec. 4(4 hr/wk); / Laboratory = Lab 4(12 hr/wk);

The processes in quality and safe nursing care of adults with common health disorders are emphasized in both theory and clinical practice. Opportunities are provided for the development of the knowledge, skills and attitudes necessary for competence and accountability in the delivery of healthcare at the beginning level adult nursing. The course presents nursing care of: perioperative; fluid/electrolyte and acid-base balance; pain management; sensory-perception; integument and burns; respiratory; cardiovascular; and gastrointestinal disorders.

Prerequisites: BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, ENGL 102, NURS 112, NURS 115.
Corequisites: MATH 210, boil 210/211.

Total: 15 hours

Fourth Semester

NURS 219 - Parent-Child Nursing

Total Credits = Cr. 8
Lecture = Lec. 4(4 hr/wk); / Laboratory = Lab 4(12 hr/wk);

The processes in quality and safe family-centered nursing care before, during, and after birth, and in alterations in newborn, child and adolescent’s health are emphasized in both theory and clinical practice. Opportunities are provided for development of the knowledge, skills and attitudes necessary for competence and accountability in the delivery of healthcare in family centered nursing.

Prerequisites: BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, BIOL 210/BIOL 211, MATH 210.
Corequisites: NURS 221, humanities elective.

NURS 221 - Mental Health Nursing
Total Credits = Cr. 4
Lecture = Lec. 2(2 hr/wk); / Laboratory = Lab 2(6 hr/wk);

The process in quality and safe nursing care of adolescents and adults with alterations in mental health are emphasized in both theory and clinical practice. Opportunities are provided for development of the knowledge, skills and attitudes necessary for competence and accountability in understanding human behaviors, necessary adaptations, and the delivery of therapeutic communication skills.

Prerequisites: BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, BIOL 210/BIOL 211, MATH 210. Corequisites: NURS 219, humanities elective.

Humanities Requirement

SPCM 120 - Intro To Public Speaking

Total Credits = Cr. 3
Lecture = Lec. 3;

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

Total: 15 hours

Fifth Semester

• Fine Arts Requirement

NURS 232 - Nursing Of The Adult II

Total Credits = Cr. 9
Lecture = Lec. 4(4 hr/wk); / Laboratory = Lab 5(15 hr/wk);

The processes in quality and safe nursing care of adults with complex health disorders are emphasized in both theory and clinical practice. Opportunities are provided for development of the knowledge, skills and attitudes necessary for competence and accountability in the delivery of healthcare at the advanced level of medical/surgical nursing. The course presents nursing care of immunologic/hematologic; oncology; neurologic; musculoskeletal; endocrine; renal; reproductive disorders and emergencies and disasters.
Prerequisites: BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, MATH 210, NURS 122, NURS 219, NURS 221, humanities elective.
Corequisites: Fine arts elective, NURS 233.

NURS 233 - Trends, Issues, And Management

Total Credits = Cr. 1
Lecture = Lec. 1(1 hr/wk); / Laboratory = Lab 0;

Economic and political aspects of standards, concepts, and processes required for quality and safety in professional nursing. The didactic course provides opportunity for gaining competence and accountability in development of the knowledge, skills, and attitudes necessary for career opportunities in quality improvement, leadership and management roles, and professional growth in nursing.

Prerequisites: BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, MATH 210, NURS 122, NURS 219, NURS 221, humanities elective.
Corequisites: Fine arts elective, NURS 232.

Total Hours: 72 Credit Hours

Paramedic Certification

Patient Care Technician, C.T.S.

Program Type: Certificate of Technical Studies (CTS)
Program Length: 27 Credit Hours/701 Clock Hours

Program Description

The Patient Care Technician certificate program prepares individuals for a variety of job opportunities in the health occupations areas and is generated to meet the need for cross training of employees in health care facilities. Graduates may find employment in long-term care facilities, hospitals, laboratories, and clinics where basic bedside nursing skills are required, as well as the skills of phlebotomy, performing electrocardiograms (EKG), stress testing, and holter monitoring procedures. All OBRA skill standards are included into this competency-based curriculum. The program consists of classroom/lab instruction and supervised/preceptor clinical activities. Prior to clinical, the student must present a current CPR card for Basic Life Support for Health Care Providers.

Upon successful completion of this competency-based program, students may be eligible to take certification exams in Phlebotomy, Nursing Assistant, Electrocardiogram (EKG) Technician, and/or Patient Care Technician.
Patient Care Technician Course Listing

TCA - CIP 511614 - Nurse Assistant

HNUR 1211 - Nursing Fundamentals I

Total Credits = Cr: 4
Lecture = Lec: 3 / Laboratory = Lab: 1

Theory (45hrs) and supervised skills lab (30hrs) experiences that focus on providing basic nursing skills to meet the physiological, psychosocial, socio-cultural, and spiritual needs of clients in various health care environments. Infection control information and skills are presented as part of this course. Omnibus Budget Reconciliation Act (OBRA) guidelines are presented as application of the nursing process in the management of clients with health alterations.

- HCOR 1212 - Skills Application 1 hr./ 80 clock hrs.

Total: 5 hrs./ 155 clock hrs.

TCA - EKG Skills

- HCOR 1120 - Basic Body Structure and Function 2 hrs./ 30 clock hrs.

CPTR 1000 - Introduction To Computers

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introductory study of computer system components, operating system environments. Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

Prerequisites: None
- MAST 1210 - Administrative Procedures 14 hrs./ 60 clock hrs.
- HEKG 1011 - EKG Procedures 3 hrs./ 105 clock hrs.
- HMD T1170 - Medical Terminology 1 hr./ 15 clock hrs.

Total: 12 hrs./ 255 clock hrs.
TCA - Phlebotomy Skills

- HPHL 1011 - Phlebotomy Principles 3 hrs./ 75 clock hrs.
- HPHL 1022 - Phlebotomy Procedures/Skills 6 hrs./ 201 clock hrs.
- HCOR 1160 - Professionalism for Healthcare Providers 1 hr./ 15 clock hrs.

Total: 10 hrs./ 291 clock hrs.

CTS - Patient Care Technician

Total: 27 hrs./ 701 clock hrs.

Optional Elective:

CSRV 1000 - Customer Service

Total Credits = Cr: 3
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

Prerequisites: Consent of Instructor

May Be Substituted:

With approval from the Chief Academic officer/designee, the following courses may be substituted for the above course requirements

- HCOR 2991 - Special Projects I 1 hr./ 30 clock hrs.
- HCOR 2993 - Special Projects II 2 hrs./ 60 clock hrs.
- HCOR 2995 - Special Projects III 3 hrs./ 90 clock hrs.
- HCOR 2996 - Special Projects IV 3 hrs./ 45 clock hrs.
- HCOR 2997 - Special Projects V 1 hr./ 15 clock hrs.

Phlebotomy, T.C.A.
Physical Sciences Track Transfer Degree, A.S.L.T.

Requirements for the ASLT track in physical sciences are listed below. When more than one option for fulfilling a requirement is given, even if some of these options are listed as “recommended” or “electives,” students should select courses that are required for the major they intend to pursue at a university. Students transferring to a University of Louisiana System (ULS) institution should follow the appropriate ULS track.

Physical Sciences Track

English Composition & Literature (Humanity) 9 hours

Complete both:

**ENGL 101 - English Composition I**

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

**Prerequisites:** ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

**ENGL 102 - English Composition**

Total Credits = Cr. 3  
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

**Prerequisites:** ENGL 101 with a grade of “C” or higher.

Choose one literature:

**ENGL 201 - English Literature**
This course is a survey of important works of English literature from the Anglo-Saxon period to the Restoration and Eighteenth Century. Writers studied in the course will include Chaucer, Marlowe, Shakespeare, Donne, Milton, Swift and others.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 202 - English Literature**

This course is a survey of important works of English literature from the Romantic Period through the Twentieth Century. Writers studied in the course will include Blake, Shelley, Wordsworth, Keats, Bryon, Coleridge, Browning, Tennyson, Conrad, Yeats, Joyce, Lawrence, Eliot, Auden and others.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 203 - American Literature I**

This course will be a survey of significant works in American Literature from its beginnings to 1860. Included in the course are Native American myths, works by early explorers and settlers, the literature of reason and revolution, and the Romantic and Transcendental movements.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 204 - American Literature II**

A survey of American Literature from 1860 to the present. Major writers include Whitman, Dickinson, Twain, Frost, Eliot, Hemingway, Faulkner and Steinbeck, as well as the rising voices of ethnic and women’s literature in the 20th century.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 205 - World Literature**

Total Credits = Cr. 3
A survey of the major works of World Literature from the Classical Period to the Renaissance, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 206 - World Literature**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

A survey of the major works of World Literature from the Renaissance to the present, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 207 - Literature Of The Old Testament**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course is a survey of literature found in the Old Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

**Prerequisites:** ENGL 102 with “C” or higher.

**ENGL 208 - Literature Of The New Testament**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course is a survey of literature found in the New Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

**Prerequisites:** ENGL 102 with “C” or higher.

**ENGL 211 - Survey Of Short Stories & Novels**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

Skills for reading and writing about fiction; attention to generic conventions and critical perspectives; section emphasis may vary; consult departmental handout.
**Prerequisites**: ENGL 102 with a grade of “C” or higher.

**ENGL 215 - Introduction To Drama & Poetry**

Total Credits = Cr. 3  
Lecture = Lec. 3

The course is designed to develop in students an ability to understand, analyze and evaluate drama and poetry. The first half of the course focuses on drama and introduces the student to plays from the Greek classics through the twentieth century. The second half of the course emphasizes poetry that reflects different forms, subjects, themes and points of view. Since reading is a major focus of this course, students will practice a variety of interrelated reading and interpretative skills. Students’ writing should move beyond paraphrasing into analysis, interpretation and argumentation.

**Prerequisites**: ENGL 102 with a grade of “C” or higher.

**Social/Behavioral Sciences 6 hours (3 at 200 level)**

**ECON 201 - Macroeconomics**

Total Credits = Cr. 3  
Lecture = Lec. 3

A study of price and output determination, theories of production, determination of prices in regulated and unregulated industries, functional distribution of income, and international economics.

**ECON 202 - Microeconomics**

Total Credits = Cr. 3  
Lecture = Lec. 3

A study of economics, economic concepts and economic institutions. Emphasizes the operation and function of a market economy while analyzing economic problems related to income, employment, the business cycle, money and banking, growth and development.

**Prerequisites**: ECON 201

**GEOG 202 - Cultural Geography**

Total Credits = Cr. 3  
Lecture = Lec. 3
Introduction to the concepts, themes and techniques of cultural geography; topical discussion of religion, politics, language, population, agriculture, urbanization, environmental and social problems.

**GEOG 205 - Physical Geography**

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to the concepts, themes and disciplines of physical geography. Discussion of atmospheric moisture, pressure and temperature, plate tectonics, volcanism, weathering and mass wasting, diastrophism, coastal processes, fluvial processes, global ecosystems and weather systems.

**POLI 110 - American Government**

Total Credits = Cr. 3  
Lecture = Lec. 3;

The principles, institutions, processes and functions of government. Emphasis is on the national government, the development of our constitutional system and the role of the citizen in the democratic process.

**PSYC 201 - Introduction To Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

**PSYC 225 - Child Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Physical, intellectual, social and emotional factors in child growth and development.

**Prerequisites:** PSYC 201.

**PSYC 226 - Developmental Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;
Physical, psychological, and social aspects of the individual from conception to death. Cultural, social, and hereditary factors that
affect the individual’s behavior throughout the life cycle.

Prerequisites: PSYC 201 with a “C” or higher.

PSYC 227 - Adolescent Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

A study of the physical and mental growth of youth during the period of adolescence and the transition from childhood to
adulthood.

Prerequisites: PSYC 201 with a “C” or higher.

SOCL 201 - Introduction To Sociology

Total Credits = Cr. 3
Lecture = Lec. 3;

As an introduction to the discipline of sociology, this course surveys and provides students with an understanding of human
society and social life. It introduces students to the major subject areas of sociology, including the major theoretical perspectives
and theorists; logic and techniques of research; social organization, institutions, and inequality and social change.

SOCL 202 - Contemporary Social Problems

Total Credits = Cr. 3
Lecture = Lec. 3;

A description and sociological analysis of major contemporary social problems in American society. The focus is on both the
individual and societal levels (on both social action and social structure) and on the reciprocal relationship between them.

Prerequisites: SOCL 201 with “C” or higher.

Math/A.R. 10 hours

MATH 220 - Calculus I

Total Credits = Cr. 5
Lecture = Lec. 5;

This is the first course of a three course sequence. The concept of a limit is introduced, and it is used to develop the concepts of
continuity and the derivative. These are studied numerically, graphically, and analytically for a wide variety of elementary, and transcendental functions. Applications of the derivative relating to curve sketching, related rates, and optimization are developed. Definite and indefinite integrals, the Fundamental Theorem of Calculus, and applications of the integral are also introduced.

**Prerequisites or Corequisites:** Successful completion of MATH 105/MATH 110 and MATH 111 or MATH 120, or by permission of department head.

**MATH 221 - Calculus II**

**Total Credits = Cr. 5**
Lecture = Lec. 5;

This is the second course of a three course sequence. The course continues with additional applications of the integral relating to volume, work, arc length, and surface area. Additional techniques of integration for a wide variety of functions are also developed. Other topics include: parametric equations, polar coordinates, infinite sequences and series, Taylor Polynomials, and vectors.

**Prerequisites:** A grade of “C” or higher in MATH 220.

**Humanities 6 hours**

**Recommended:** a history sequence, speech course, or foreign language series

**FREN 101 - Elementary French I**

**Total Credits = Cr. 3**
Lecture = Lec. 3

A beginning course designed for students with no previous knowledge of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

**FREN 102 - Elementary French II**

**Total Credits = Cr. 3**
Lecture = Lec. 3

A continuation of FREN 101. designed for students who have completed one semester of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

**Prerequisites:** FREN 101

**FREN 201 - Intermediate French**

**Total Credits = Cr. 3**
This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** FREN 101, FREN 102

**FREN 202 - Intermediate French**

**Total Credits = Cr. 3**
Lecture = Lec. 3

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** FREN 101, FREN 102, FREN 201

**HIST 101 - Western Civilization To 1650 A.D.**

**Total Credits = Cr. 3**
Lecture = Lec. 3

A survey of civilization of the world to 1650. Major emphasis on western civilization.

**HIST 102 - Western Civilization Since 1650 A.D.**

**Total Credits = Cr. 3**
Lecture = Lec. 3

A survey of civilization of the world from 1650 to the present. Major emphasis on western civilization.

**HIST 201 - History Of The United States 1492-1877**

**Total Credits = Cr. 3**
Lecture = Lec. 3

A survey of United States history from discovery through Reconstruction.

**HIST 202 - History Of The Us 1877-present**
A survey of United States history from Reconstruction to the present.

**SPCM 110 - Fundamentals Of Speech**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course develops an awareness of the history and traditions of speech communication worthy of academic study. The course is a summary of this academic and professional field and is comprised of the component parts of organizational and business communication, mass communication, small group and interpersonal communication, as well as public speaking.

**SPCM 120 - Intro To Public Speaking**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

**SPCM 130 - Interpersonal Communication**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This speech and personal communication course is designed for students who are interested in improving their personal knowledge and practice of the principles that govern their interpersonal (usually one-to-one) and intrapersonal (within oneself) communication behavior on a daily basis. This course applies to personal, social and professional context interactions and relationships that often govern their success personally, professionally and in everyday social activities.

**SPAN 101 - Elementary Spanish I**

Total Credits = Cr. 3  
Lecture = Lec. 3;

An introduction to Spanish language and culture. The course explores the basic grammatical structures of the Spanish language. Throughout the semester, students will develop writing, reading and speaking skills. Emphasis will be placed on communicative skills.
SPAN 102 - Elementary Spanish II

Total Credits = Cr. 3  
Lecture = Lec. 3;

A continuation of SPAN 101. The course will extend students’ elementary knowledge of the basic grammatical structures of the Spanish language. Throughout the semester, students will continue to develop reading, writing and speaking skills. Emphasis will be placed on communication skills.

Prerequisites: SPAN 101 with “C” or higher

SPAN 201 - Intermediate Spanish I

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course is designed to build upon and extend students’ elementary knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: SPAN 102 with “C” or higher

SPAN 202 - Intermediate Spanish II

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course is designed to build upon and extend students’ intermediate knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: SPAN 201 with “C” or higher

Other options:

Choose other humanities course(s) from above list, literature list or from:

PHIL 201 - Introduction To Philosophy

Total Credits = Cr. 3  
Lecture = Lec. 3;

An introduction to philosophical ideas, problems and methods through a study of important philosophers and the major systems
of philosophy. Topics to be covered may include appearance and reality, human nature, nature of knowledge, relation of mind with body, the right and the good, the existence of God, and freedom and determinism.

Fine Arts 3 hours

**ARTS 120 - Art Appreciation**

(Formerly ARTS 101)

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

Lecture and discussion of the visual arts with emphasis on how and why works have been created in present and earlier times. All major forms of drawing, painting, printmaking, sculpture, design and architecture are explored in basic terms.

**ARTS 201 - Survey Of Art History I**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

This survey course is an introduction to the history of visual art through the study of selected masterworks from the prehistoric period through the Gothic.

**ARTS 202 - Survey Of Art History II**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

This survey course is an introduction to the history of visual art through the study of selected masterworks from the Renaissance to Modern time.

**MUSC 101 - Music Appreciation**

**Total Credits = Cr. 3**
**Lecture = Lec. 3;**

This course is designed to foster an understanding of music through the study of selected examples of musical works. Emphasis is placed upon the analysis of compositions in conjunction with references to cultural and historical developments.

**THEA 190 - Theatre Appreciation**
This course seeks to improve both the appreciation for and understanding of theatre art that includes the structure, focus and purpose of dramatic literature, its presentation (acting), and directing/managing, as well as physical designing (scenery, lighting, costumes, make-up) and related theatrical elements. This course, where possible, includes attendance at local theatrical presentations.

Natural Sciences 17 hours

Complete all 11 hours:

CHEM 110 - Chemistry I

Total Credits = Cr. 3  
Lecture = Lec. 3

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on atomic structure, periodicity, bonds, thermochemistry, molecular geometry, gas laws, solutions, and stoichiometry. This course is intended for science and engineering curricula.

Prerequisites: Grade of “C” or better in College Algebra or and ACT score of 20 in math.  
Corequisites: None

CHEM 111 - Chemistry I Lab

Total Credits = Cr. 1  
Laboratory = Lab 3

Laboratory designed to accompany CHEM 110, includes introduction to basic laboratory skills and operations including experiments dealing with physical and chemical properties, chemical reactions, and solution chemistry.

Prerequisites: None  
Corequisites: Enrollment in or completion of CHEM 110 with a “C” or better.

CHEM 120 - Chemistry II

Total Credits = Cr. 3  
Lecture = Lec. 3
This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on reaction kinetics and equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and the chemistry of metals and nonmetals. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in CHEM 110.

**Corequisites:** None

**CHEM 121 - Chemistry II Lab**

**Total Credits = Cr. 1**  
Lecture = Lab 3

Laboratory designed to accompany CHEM 120; included in the laboratory component are experiments in qualitative inorganic analysis, acid/base properties, and titration.

**Prerequisites:** None  
**Corequisites:** Enrollment in or completion of CHEM 120 with a “C” or better.

**BIOL 201 - Principles Of Biology I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course covers the concept of scientific methodology, genetics, cell structure and development, evolution and ecology and provides a laboratory component that coincides with the lecture; Designed for students majoring in a science related field.

**Prerequisites:** Eligibility for ENGL 101 and MATH 110 and successful completion of PHSC 120 or a high or college level chemistry.

Choose 6 hours f/list:

**Recommended**

If a corresponding lab is offered, it may be taken and applied toward this requirement or toward the Natural Science & Humanities Electives requirement.

**BIOL 202 - Principles Of Biology II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course covers the concepts of human evolution and effects on ecology, ecological interactions, natural selection, adaptation, speciation and phylogeny.
Prerequisites: Grade of “C” or higher in BIOL 201
- Organic Chem I 3 hrs.
- Organic Chem II 3 hrs.

GEOL 101 - Physical Geology

Total Credits = Cr. 3
Lecture = Lec. 3

An introduction to the scope of geology, the external and internal features of the earth such as landforms, and the agents which are responsible for them including volcanoes, glaciers, earthquakes, wind and running water.

GEOL 102 - Historical Geology

Total Credits = Cr. 3
Lecture = Lec. 3

The development, changes and destruction of the land features and sea areas of the earth and the changing panorama of plant and animal life from the earth’s origin to the present day.

Prerequisites: Successful completion of GEOL 101, Physical Geology, with a grade of “C” or higher or by special permission.

PHYS 210 - General Physics I

Total Credits = Cr. 3
Lecture = Lec. 3;

This first semester of a two-semester sequence is an overview of basic concepts and principles of mechanics, heat, and sound. This course is intended for science majors.

Prerequisites: Successful completion of MATH 111, Plane Trigonometry, with a grade of “C” or higher;
Corequisites: Concurrent enrollment in PHYS 211, General Physics I Laboratory

PHYS 220 - General Physics II

Total Credits = Cr. 3
Lecture = Lec. 3;

This second semester of a two-semester sequence is an overview of basic concepts and principles of optics, electricity, magnetism, and other topics of modern physics. This course is intended for science majors.

Prerequisites: Successful completion of PHYS 210 & PHYS 211 with a grade of “C” or higher;
Corequisites: Concurrent enrollment in PHYS 221, General Physics II Laboratory
Other Options

If a corresponding lab is offered, it may be taken and applied toward this requirement or toward the Natural Science & Humanities Electives requirement.

**ATMO 101 - Intro To Weather & Climate I**

(formerly PHSC 112)

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course will present an integrated approach to basic meteorology. Basic science skills, such as the scientific method will be highlighted, through meteorology. Meteorology concepts such as structure of the atmosphere, solar radiation, temperature, and atmospheric stability will be covered.

**Prerequisites:** None  
**Corequisites:** None

**ATMO 102 - Intro To Weather & Climate I**

(formerly PHSC 113)

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course will explore the dynamic atmosphere including topics of air masses, weather forecasting, and an in-depth view into severe weather and hurricanes will also be discussed and debated as it pertains to current trends of global warming.

**Prerequisites:** None  
**Corequisites:** None

**BIOL 210 - General Microbiology**

(formerly BIOL 212)

**Total Credits = Cr. 3**  
Lecture = Lec 3

Course presents an integrated approach to essential concepts in Microbiology and provides a foundation for practical, hands-on work and critical thinking that are a part of science and medical based professions(for science majors).

**Prerequisites:** Successful completion of BIOL 221 and BIOL 223 with a grade of “C” or higher.  
**Corequisites:** Concurrent enrollment in BIOL 211, General Microbiology Laboratory
BIOL 221 - Human Anatomy And Physiology I

Total Credits = Cr. 3  
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body. The emphasis of the lecture will be on the physiology of organs and tissues. Topics covered will include the human organism, chemical basis of life, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, spinal cord, spinal nerves, brain, cranial nerves, and integration of nervous system functions, autonomic nervous system and special senses. This course is designed for science majors and students majoring in a pre-allied health related field.

Prerequisites: Eligibility to enroll in ENGL 101 and MATH 110 and successful completion of PHSC 120 or high school or college level chemistry.
Corequisites: Concurrent enrollment in BIOL 223, Human Anatomy & Physiology I Laboratory.

BIOL 222 - Human Anatomy & Physiology II

Total Credits = Cr. 3  
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body covering the endocrine system, cardiovascular, lymphatic (immune), respiratory, digestive, urinary and reproductive systems, development, growth, aging, nutrition, acid base balance and genetics. This course is designed for science majors and students majoring in a pre-allied health related field.

Prerequisites: Completion of BIOL 221 and BIOL 223 with a grade of C or better.
Corequisites: Concurrent enrollment in BIOL 224, Human Anatomy & Physiology II Laboratory.

BIOL 228 - Pathophysiology

Total Credits = Cr. 3  
Lecture = Lec. 3

A detailed study of the mechanisms of disease, alterations in body defenses and the effects on the following body systems: hematological, cardiovascular, respiratory, urinary, gastrointestinal, endocrine, reproductive, nervous, skeletal and integumentary.

Prerequisites: Completion of BIOL 221, BIOL 222, BIOL 223 & BIOL 224 with a grade of “C” or higher in each.

BIOL 230 - Principles Of Zoology

Total Credits = Cr. 3  
Lecture = Lec. 3
This course is designed for students with majors and minors in biological science. The course presents the major concepts of biology as illustrated by animal life and studies selected vertebrates as laboratory animals. An introduction to the anatomy, physiology, classification, and relationships of major animal phyla will be covered. Emphasis will be placed on levels of organization, reproduction, evolution of animal life, diversity and the environment. This course may be used as a general science elective to satisfy the core content requirements.

**Prerequisites:** Eligibility for MATH 110 and ENGL 101; Successful completion of PHSC 120 or high school or college level chemistry.

**PHSC 100 - Physical Science I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

This course is a presentation of an integrated approach to essential concepts in physics such as motion, gravity, heat, electricity, magnetism, sound and light and to emphasize the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

**Prerequisites:** Eligibility to enroll in MATH 99 or higher level math

**PHSC 120 - Physical Science II**

**Total Credits = Cr.3**  
Lecture = Lec.3;

This course introduces the student to the following concepts of basic chemistry: atoms and their structure, atomic models, atomic nucleus and electron configuration, mixture, bonding, acids and bases, and oxidation and reduction.

**Prerequisites:** Eligibility for MATH 99 or higher level math

**SCIE 101 - Introductory Earth Science I**

**Total Credits = Cr.3**  
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science with an emphasis on the following: geology with an introduction to oceanography, meteorology, and astronomy. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. Field trips may be arranged, but not required.

**Prerequisites:** None;  
**Corequisites:** None

**SCIE 102 - Introductory Earth Science II**
Total Credits = Cr.3
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. General Earth Science 102 will include the following disciplines: geology, oceanography, meteorology, and astronomy with emphasis on oceanography, meteorology, and astronomy. Field trips may be arranged, but not required

Prerequisites: None - Students may enroll in SCIE 102 without having taken SCIE 101; Corequisites: None

SCIE 114 - Environmental Science & Lab

Total Credits = Cr 3
Lecture = Lec. 3;

Study of the interactions of human activity with the environment and the future impact of these actions. Ecological, impact, sustainable management and risk analysis will be integrated throughout the course.

Prerequisites: Completion of MATH 110 with a grade of “C” or higher.
  • or other natural sciences approved by advisor

Natural Science & Humanities Electives 9 hours

Choose from departments listed below. Taking courses recommended in previous natural science and humanities sections is encouraged, as are labs for previously recommended science lectures.

Natural Science Electives

  • Atmospheric Science - ATMO
  • Biological Sciences - BIOL
  • Chemistry - CHEM
  • Geology - GEOL
  • Physical Science - PHSC
  • Physics - PHYS
  • Science - SCIE

Humanities

  • English - ENGL
  • Foreign Language - FREN or SPAN
  • History - HIST
  • Philosophy - PHIL
  • Speech - SPCH
Note(s):

Completion of the Associate of Arts/Science Louisiana Transfer (AALT, ASLT) degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an AALT/ASLT degree.

Additional Information

Course Selection

1 Students who have completed an approved 3- to 4-credit hour equivalent of Calculus I must make up the missing hour(s) in the Natural Science & Humanities Electives section.

2 If a corresponding lab is offered, it may be taken and applied toward this requirement or toward the Natural Science & Humanities Electives requirement.

Completing an Associate of Arts/Science Louisiana Transfer Degree (AALT/ASLT) at LDCC

- A student’s placement in English and math courses will be determined by ACT, SAT, and/or COMPASS scores. As a result of these scores, some students may be required to take developmental classes in preparation for the English and math classes required for the transfer degree. Note: When appropriate, previous college work will be used to determined placement in these subject areas.
- A course may be applied only once for degree credit.
- Transfer coursework is unofficial until all official transcripts are evaluated and posted.
- To graduate with the AALT or ASLT, students must have LDCC and adjusted cumulative grade-point averages of 2.00.
- Students should refer to the LDCC General Catalog for a detailed explanation of graduation requirements.

Transferring to a University with an AALT or ASLT Degree

Advising and planning are key to a student’s success in maximizing the transfer experience. All students who might eventually transfer from one institution to another should develop, with an advisor’s assistance, a written degree plan of courses to take for the transfer associate degree. Whenever possible, students should use the transfer degree requirements to satisfy the admission requirements of the university to which they wish to transfer; the university’s senior college, departmental, and/or program admission requirements; and course requirements for the baccalaureate degree. Additionally, a student with coursework from multiple institutions may need to contact the Campus Transfer Ombudsman* at the transfer university for information regarding the applicability of non-LDCC coursework toward the intended major at the university.

Completion of the AALT or ASLT does not guarantee that a student will have the grade-point average necessary for admission to the university, senior college, department, program, etc, to which a student wishes to transfer. It is therefore essential that students find out these requirements* as early as possible.
*To identify the Campus Transfer Ombudsman (or designated contact person) or GPA requirements for the university to which you wish to transfer, visit the statewide articulation web site. Links to each participating institution’s articulation web site can be found here with other helpful academic resources.

**Note(s):**

Completion of the Associate of Arts/Science Louisiana Transfer (AALT, ASLT) degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an AALT/ASLT degree.

**Practical Nursing, T.D.**

**Program Type:** Technical Diploma (TD)  
**Program Length:** 58 Credit Hours/1535 Clock Hours

**Program Description**

The Practical Nursing program is designed to prepare the student to meet the licensure requirements for Licensed Practical Nurse (LPN), as established by the Louisiana State Board of Practical Nurse Examiners (LSBPNE). The program progresses from simple to complex and consists of classroom instruction, lab practicum and supervised clinical activities in accredited hospitals, nursing homes, and other health care agencies.

Students should note that some courses have prerequisites, which must be completed before enrolling into upper level courses and continuing in the program. Students must demonstrate basic computer skills prior to advancement into the acute care clinical component of the program. Practical Nursing Program Coordinators or their designees may assess a student’s basic computer skills by administering a competency exam or having the student successfully complete the CPTR 1000 or a comparable computer course.

Articulated courses are determined at the discretion of the Practical Nurse Program Coordinator and based upon individual evaluation as described in the 2005 Louisiana Nursing Education Articulation Model.

Each course in the PN program must be completed with a minimum score of 80%. Upon graduation, the student is awarded a diploma and is eligible to take the National Council of State Boards Licensure Examination for Practical Nurses (NCLEX-PN).

This is a limited enrollment program. Students must be admitted to the program to enroll in any of the PN courses. **Students must meet or exceed entrance test scores as indicated in table below:**

<table>
<thead>
<tr>
<th>Type of test</th>
<th>Mathematics</th>
<th>Reading</th>
<th>Language</th>
<th>Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACT (sub score)</td>
<td>18-36</td>
<td>20-36</td>
<td>18-36</td>
<td>20</td>
</tr>
<tr>
<td>COMPASS</td>
<td>48-100</td>
<td>85-100</td>
<td>68-100</td>
<td>N/A</td>
</tr>
<tr>
<td>ASSET</td>
<td>42-55</td>
<td>44-55</td>
<td>44-55</td>
<td>N/A</td>
</tr>
<tr>
<td>TEAS</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>55 or ↑</td>
</tr>
</tbody>
</table>

Students scoring below the scores noted above will be required to complete applicable developmental courses or pre-requisite allied health courses prior to acceptance into the PN program.

**Admission Requirements:**
Students must apply to the campus/program of their choice and meet the minimum admission standards, including:

- Ability to obtain CPR for Healthcare Providers certification prior to first clinical course – or as directed by program coordinator
- Official birth certificate
- Official HS or GED transcript
- Proof of current immunizations
- History and Physical exam
- TB skin test or Chest x-ray
- Fingerprints and $26 money order payable to Louisiana Department of Public Safety and Corrections
- $50 money order payable to Louisiana State Board of Practical Nurse Examiners
- Additional criminal background check required for clinical courses – check with the campus for specific information
- Drug screening – check with the campus for specific information
- Applicants must NOT be currently serving under any court-imposed order of supervised probation, work release, school release or parole in conjunction with any felony conviction(s) or plea agreement.
- Students must demonstrate ability to meet following technical/performance standards while receiving the instruction as outlined in each course syllabus:
  a. Read and communicate orally and in writing using the English language.
  b. Hear with or without auditory aids to understand normal speaking voice without viewing the speakers face.
  c. Visually, with or without corrective lenses, observe changes in client’s condition and actively participate in learning process.
  d. Utilize stamina, strength and psychomotor coordination necessary to perform routine practical nursing procedures at floor or bed level.
  e. Demonstrate use of gross and fine motor skills necessary to provide independent, safe and effective practical nursing care.
  f. Solve problems and apply critical thinking skills while providing safe and efficient client care.
  g. Interact with individuals/families/groups from various socioeconomic and cultural backgrounds.
  h. Adapt and function in a multi stressor environment while adhering to legal/ethical guidelines of the school, Louisiana PN Nurse Practice Act and clinical agencies.

Practical Nursing Course Listing

Pre-requisite Courses:

Pre-requisite courses may be exempted based on entrance test scores or successful completion of previous college level courses.

AHSC 1000 - Allied Health Science

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

This Science course provides entry level introduction to biology and chemistry thus providing a foundation for enrollment into an allied health program and improving proficiency in career preparation courses.

AHMA 1000 - Allied Health Math
This applied mathematics course provides a review for the student who needs to master the fundamental numerical operations of addition, subtraction, multiplication, and division of whole numbers, fractions, and decimals. This course also assists the student in acquiring a better understanding of percent, ratio and proportion, measurements, algebraic concepts, and geometry. This course is designed to provide a foundation for enrollment into an allied health program and improving proficiency in career preparation courses.

AHRE 1000 - Allied Health Reading

This reading course provides an intensive study of vocabulary, and comprehension skills thus providing a foundation for enrollment into an allied health program and improving proficiency in career preparation courses.

AHEN 1000 - Allied Health English

The purpose of this English course is to provide instruction that will enable students to acquire mastery of basic grammar, usage, and mechanics, as well as mastery of sentence structure and the study of paragraph development and introductory essay writing thus providing a foundation for enrollment into an allied health program and improving proficiency in career preparation courses.

ORNT 1000 - Freshman Seminar

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

Required Practical Nursing Courses:

HNUR 1211 - Nursing Fundamentals I
Total Credits = Cr: 4  
Lecture = Lec: 3 / Laboratory = Lab: 1

Theory (45hrs) and supervised skills lab (30hrs) experiences that focus on providing basic nursing skills to meet the physiological, psychosocial, socio-cultural, and spiritual needs of clients in various health care environments. Infection control information and skills are presented as part of this course. Omnibus Budget Reconciliation Act (OBRA) guidelines are presented as application of the nursing process in the management of clients with health alterations.

HNUR 1212 - Geriatric Clinical

Total Credits = Cr: 1  
Lecture = Lab: 1

The student will perform, demonstrate, and practice a minimum of 40 hours of basic geriatric nursing care and skills in long term care facilities under the supervision and discretion of the LTC nursing faculty.

TCA - Health Aid

HNUR 1270 - Pn Perspectives

Total Credits = Cr: 3  
Lecture = Lec: 3

This course includes information regarding vocational adjustments and personal, family, and community health issues. It expounds on the role of the practical nurse, practical nursing education and the Law Relating to the Practice of Practical Nursing as defined by the Louisiana State Board of Practical Nurse Examiners (LSBPNE), including the Louisiana Revised Statutes, Title 37, Chapter 11, Subpart II - Practical Nurses and LAC 46:XLVII.Nursing, subpart I- Practical Nurses. Ethical/legal/cultural issues and trends, communication techniques, and personality development are addressed. It includes discussion of the concepts of health maintenance with identification of local, state and national health resources available for maintenance of health. Also included is an introduction to the normal aging process, including biological, psychosocial, cultural, spiritual, and pharmacological factors, including health maintenance throughout the life cycle. Additional topics covered in this course will include rehabilitative/restorative care and support of end-of-life issues utilizing therapeutic and preventive measures.

HNUR 1300 - Anatomy And Physiology For Healthcare Providers

Total Credits = Cr: 5  
Lecture = Lec: 5

This course is a study of structure and function of the human body systems to include cells, skeletal, muscular, circulatory/lymphatic, digestive, respiratory, urinary, reproductive, endocrine, nervous, sensory and integumentary systems. Medical terms and commonly used medical/nursing abbreviations related to each body system are addressed in detail in this course.
HNUR 1320 - Nutritional Aspects

Total Credits = Cr: 2  
Lecture = Lec: 2

Normal nutrition and the modification of the principles of normal nutrition for therapeutic purposes are studied. This course includes the role of the essential nutrients of proteins, carbohydrates, fats, vitamins, minerals and water in the maintenance of good health and wellness for all ages.

HNUR 1361 - Basic Pharmacology

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1

Medical math is an integral component of this course. The terminology and principles of medication administration are presented in this course. It includes medication assessment, procedures for administration of oral, parenteral, topical, irrigation and instillation routes/methods, along with basic dosage calculations of medications/intravenous fluid rates. Safety precautions, guidelines and documentation are emphasized.

HNUR 1411 - Nursing Fundamentals II

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1

This course includes 30 hrs of theory and 60hrs of supervised skills lab experiences that focus on providing practical nursing skills to meet the physiological, psychosocial, socio-cultural, and spiritual needs of clients in various healthcare environments. Advanced skills are presented through the application of the nursing process to assist in the management of all aged clients with health alterations.

HNUR 1460 - Advanced Pharmacology

Total Credits = Cr: 1  
Lecture = Lec: 1

Drug classifications and their effect on the various body systems are presented. Specific drugs in each classification are emphasized according to expected effects, side effects, and adverse effects. Routes of drug administration and variables that influence drug action are covered including dangerous drug interactions and nursing implications related to each drug. Safety precautions which will help to decrease the incidence of errors in medication administration are stressed. Advanced medication calculations will be required to demonstrate knowledge of safe dosing parameters. The nursing process is utilized to assess the client’s learning needs and effects of all pharmacological interventions.

HNUR 2113 - Medical/ Surgical I
This course is a study of the nursing process as a method of individualizing patient care with special emphasis directed towards essential concepts related to body fluid/water, electrolytes, and acid-base balance, care of the perioperative adult client and the adult client experiencing alterations in cardiovascular/lymphatic/immune functioning. Included is a review of anatomy & physiology, and therapeutic/modified diets for each body system addressed. Pharmacological interventions/commonly used medications for each body system addressed are discussed at length. Geriatric considerations are addressed. Students will begin to utilize a nursing process approach, and will perform applicable practical nursing clinical skills to assigned client(s) in approved health care facilities under the supervision and discretion of practical nursing faculty. This course includes a 180-hour clinical component.

**HNUR 2123 - Medical/ Surgical III**

This course includes theory related to nursing care provided to adult clients experiencing alterations in the respiratory, gastrointestinal, endocrine and integumentary function. Care of the adult client with a neoplastic disorder is also included. Included is a review of anatomy and physiology, and therapeutic/modified diets for each body system addressed. Pharmacological interventions/commonly used medications for each body system addressed are discussed at length. Geriatric considerations are addressed. Utilizing a nursing process approach, the student will perform applicable practical nursing clinical skills to multiple clients in approved health care facilities under the supervision and discretion of practical nursing faculty. Critical thinking skills are encouraged while the student learns to make interdependent practical nursing decisions. This course includes a 180-hour clinical component.

**HNUR 2133 - Medical/surgical III**

This course includes the study of genitourinary, reproductive, sensory, neurological and musculoskeletal disorders with emphasis on pathophysiology and pharmacology for the adult client. Included is a review of anatomy and physiology, and therapeutic/modified diets. Pharmacological interventions/commonly used medications for each body system addressed are discussed at length. Geriatric considerations are addressed. Utilizing a nursing process approach, the student will perform applicable practical nursing clinical skills to multiple clients experiencing serious illnesses in approved health care facilities under the supervision and discretion of practical nursing faculty. Critical thinking skills are utilized while the student begins to make interdependent practical nursing decisions. Students will be expected to perform clinical skills with indirect supervision of the clinical instructor. This course includes a 180-hour clinical component.

**HNUR 2523 - Mental Illness/ Psychiatric Nursing**

This is the study of the client experiencing emotional, mental and social alterations utilizing the nursing process approach with
integrated pharmacology and application of life span principles. Geriatric considerations are addressed. Utilizing a nursing process approach, the student will perform applicable practical nursing clinical skills to clients in mental health facilities under the supervision and at the discretion of practical nursing faculty. This course includes a 30-hour clinical component.

**HNUR 2611 - IV Therapy**

**Total Credits = Cr: 1**  
Lecture = Lec: 1

The role of the practical nurse, legal implications of intravenous (IV) therapy, and equipment/devices used, anatomy/physiology, methods and techniques, infection control measures, complications, and other vital information related to intravenous therapy is discussed. Supervised lab performance (15hrs) is an integral part of this course.

**HNUR 2713 - Obstetrics**

**Total Credits = Cr: 2.5**  
Lecture = Lec: 2 / Laboratory = Lab: 0.5

Current issues, growth and development of the childbearing family, fetal development and gestation are studied. Care of the client during the antepartal, intrapartal, and postpartal periods is included, as well as care of the neonate. Included is a review of anatomy and physiology, and therapeutic/modified diets. Pharmacological interventions/commonly used medications for each body system and condition are discussed at length. Utilizing a nursing process approach, the student will perform applicable practical nursing clinical skills to maternal & neonatal clients during the antepartal, intrapartal, and postpartal periods, in appropriate clinical sites, under the supervision and at the discretion of practical nursing faculty. This course includes a 30-hour clinical component.

**HNUR 2723 - Pediatrics**

**Total Credits = Cr: 2.5**  
Lecture = Lec: 2 / Laboratory = Lab: 0.5

This course presents essential information related to growth and development of infants, toddlers, preschool through school age and adolescents, and those diseases common but not exclusive to the particular age groups. Included is a review of anatomy and physiology, and therapeutic/modified diets. Pharmacological interventions/commonly used medications for each body system and age group are discussed at length. Utilizing a nursing process approach, the student will perform applicable practical nursing clinical skills to pediatric clients in appropriate clinical sites under the supervision and at the discretion of practical nursing faculty. This course includes a 30-hour clinical component.

**HNUR 2813 - Pn Leadership And Management**

**Total Credits = Cr: 2.5**  
Lecture = Lec: 2 / Laboratory = Lab: 0.5

This course presents the laws, rules and regulations which govern licensure to practice practical nursing in the state of Louisiana,
including a review of the Louisiana Revised Statutes, Title 37, Chapter 11, Subpart II – Practical Nurses and LAC 46:XLVII. Nursing, subpart 1 - Practical Nurses. Students are prepared for the NCLEX-PN licensure examination. It is designed to prepare the future LPN for compliance with the laws, to explain the procedures which facilitate necessary operations of the Louisiana State Board of Practical Nurse Examiners (LSBPNE) and to outline the obligations which accompany the privilege of service in health care. Legal responsibilities, confidentiality and ethical practice along with concepts of management and supervision are emphasized. Preparation for employment is introduced by evaluating job opportunities, compiling a resume, and outlining information essential to finding, applying for and terminating a job in the healthcare industry. A study of common health problems and etiologies seen in nursing home residents, including safe administration of medications, selected acute illnesses, and typical health emergencies. In addition, a review of documentation requirements, health protection guidelines, and health promotion activities in long-term facilities are presented. Appropriate teaching of related diagnostic results in the elderly are summarized. The leadership/management role in the nursing home setting is outlined including the delegation of tasks to support staff. The course focuses on issues such as the relationship of management and quality improvement for care of the elderly in long-term facilities. In addition, the organization and structure of the nursing home and the function of various departments are included. The Louisiana Department of Health and Hospitals and the survey process is integrated throughout the course. Common legal and ethical issues encountered in long-term care facilities are discussed. Utilizing a nursing process approach, the student will perform applicable practical nursing clinical skills to clients in geriatric care facilities under the supervision and at the discretion of practical nursing faculty. Critical thinking skills are encouraged while the student makes interdependent practical nursing decisions. Students will perform in management and leadership roles in the facility and will administer medications to groups of residents comparable to industry’s entry-level expectations of a beginning practitioner. This course includes a 30-hr clinical component.

Total: 5 hrs./115 clock hrs.

TD - Practical Nursing

Program Coordinators have the option to substitute HNUR 2523, HNUR 2713, or HNUR 2723 with approved courses, if needed to avoid clinical scheduling conflicts.

Total: 58 hrs./1535

Optional Electives:

CSRV 1000 - Customer Service

Total Credits = Cr: 3
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

Prerequisites: Consent of Instructor
May Not Be Substituted:

The following courses may not be substituted for the above course requirements

- HNUR 2991 - Special Projects I 1 hr. / 30 clock hrs.
- HNUR 2993 - Special Projects II 2 hrs. / 60 clock hrs.
- HNUR 2995 - Special Projects III 3 hrs. / 90 clock hrs.
- HNUR 2996 - Special Projects 3 hrs. / 45 clock hrs.

Pre-Respiratory Therapy (in conjunction with BPCC)

Process Technology, A.A.S.

Process technology operators control and monitor the systems that run industrial plants. Operators gather information using instrumentation and lab equipment to maintain safe work areas and keep plants in compliance with regulatory requirements. Operators work both indoors and outdoors alongside engineers, chemists and other professionals. Operators use knowledge of computers, math, physics and chemistry to keep industrial plants running safely and efficiently. They require strong communications skills – the ability to write, express views orally and listen – in order to succeed at their jobs.

The objectives of the AAS in Process Technology program are to prepare graduates to:

- work effectively in chemical, petrochemical, oil and gas production, energy, pulp and paper, and pharmaceutical industries.
- be aware of safety procedures, hazards, housekeeping, and appropriate cautions in industry.
- demonstrate up-to-date understanding of the technical aspects of process technology.

AAS in Process Technology - Program of Study

First Semester
ACSE 100 - Academic Seminar

Total Credits = Cr. 1
Lecture = Lec. 1

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average. Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.

ENGL 101 - English Composition I

Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

MATH 110 - College Algebra

Total Credits = Cr. 3
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

CINS 101 - Introduction To Computers

Total Credits = Cr. 3
Lecture = Lec. 3

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.

PTEC 101 - Intro To Process Technology

Total Credits = Cr. 3
Lecture = Lec. 3;

This course introduces students to the field of process operations within the process industry. It reviews the roles and responsibilities of process technicians, the environment in which they work, and the equipment and systems which they operate.

**Prerequisites:** Must be eligible for MATH 99 and ENGL 99.

**PTEC 131 - Process Instrumentation**

*Total Credits = Cr. 3*
Lecture = Lec. 2, / Laboratory = lab 2;

This course involves the study of the instruments and instrument systems used in the chemical processing industry including terminology, primary variables, symbology, control loops, and basic troubleshooting.

**Prerequisites:** Must be eligible for MATH 99 and ENGL 99.

**Total: 16 Hours**

**Second Semester**

**ENGL 102 - English Composition**

*Total Credits = Cr. 3*
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

**Prerequisites:** ENGL 101 with a grade of “C” or higher.

**CHEM 101 - General Chemistry**

*Total Credits = Cr. 3*
Lecture = Lec. 3

An introduction to chemistry, this course presents the basics of inorganic chemistry including the following topics: scientific measurements and calculations, elements and compounds, bonding, stoichiometry, calorimetry, gases, solutions and concentrations, acids and bases. Integrated into this course are problem-solving and quantitative approaches. This course is intended for non-science and pre-allied health majors.

**Prerequisites:** Completion of MATH 110 with a grade of “C” or higher; Grade of “C” or better in College Algebra or and ACT
score of 20 in math.

**Corequisites:** Concurrent enrollment in CHEM 103;

**CHEM 103 - General Chemistry I Lab**

**Total Credits = Cr. 1**
Lecture = Lab 3

Laboratory designed to accompany CHEM 101, General Chemistry I; Integrated into this course are problem-solving and quantitative approaches. Laboratory component includes introduction to basic laboratory skills and operations, including experiments dealing with physical and chemical properties, chemical reactions, and solution chemistry.

**Prerequisites or Corequisites:** Concurrent enrollment in or successful completion of CHEM 101 with “C” grade or higher.

**MATH 117 - A Survey Of Mathematics**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

Course covers topics from critical thinking skills, logic, the real number system, geometry and measurement, consumer mathematics, counting principles, probability, and statistics (including the normal curve).

**Prerequisites:** Grade of “C” or higher in MATH 105 or MATH 110

**PTEC 132 - Process Instrumentation II**

**Total Credits = Cr. 3**
Lecture = Lecture 2, / Laboratory = Lab 2;

Continues Instrumentation I using actual demonstration units. Introduces switches, relays, annunciator system, signal conversion, transmission, controllers, control schemes, advance control schemes, digital control, programmable logic controls, distribution control systems, instrumentation malfunctions.

**Prerequisites:** Successful completion of PTEC 101 and PTEC 131 with a grade of “C” or higher.

**PTEC 161 - Equipment**

**Total Credits = Cr. 3**
Lecture = Lec. 2; / Laboratory = Lab 2;

This course introduces equipment used in the process industry. It also studies many process industry-related equipment concepts including purpose, components, and operation.

**Prerequisites:** Successful completion of PTEC 101 and PTEC 131 with a grade of “C” or higher.
Total: 16 Hours

Third Semester

**PHSC 100 - Physical Science I**

*Total Credits = Cr. 3*
*Lecture = Lec. 3;*

This course is a presentation of an integrated approach to essential concepts in physics such as motion, gravity, heat, electricity, magnetism, sound and light and to emphasize the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

**Prerequisites:** Eligibility to enroll in MATH 99 or higher level math

**PHSC 110 - Physical Science I Lab**

*Total Credits = Cr. 1*
*Laboratory = Lab 3;*

This laboratory is designed to accompany and enhance the lecture course Physical Science I (PHSC 100). Activities and exercises will address concepts presented in PHSC 100 in addition to emphasizing the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

**Prerequisites or Corequisites:** Concurrent enrollment in or successful completion of PHSC 100 with a grade of “C” or higher

**PTEC 203 - Safety Health And Environment**

*Total Credits = Cr. 3*
*Lecture = Lec. 3;*

Introduces various types of plant hazards, safety, and environmental systems and equipment, and regulations under which industry is governed.

**Prerequisites:** Must be eligible for MATH 99 or higher level Math.

**PTEC 242 - Systems**

*Total Credits = Cr. 4*
Lecture = Lec. 3; / Laboratory = Lab 2;

Studies the interrelation of process equipment and process systems by arranging process equipment into basic systems; by describing the purpose and the function of specific process systems; by explaining how factors affecting process systems are controlled under normal conditions; and recognizing abnormal process conditions. Introduces the concept of system and plant economics.

**Prerequisites:** Successful completion of PTEC 132 and PTEC 161 with a grade of “C” or higher.

**PTEC 243 - Operations/Capstone**

Total Credits = Cr. 4  
Lecture = Lec. 3; / Laboratory = Lab 2;

Teaches the operation of an entire unit within the process industry using existing knowledge of equipment, systems, and instrumentations. Studies concepts related to commissioning, normal startup, normal operations, normal shutdown, turnarounds, and abnormal situations, as well as the process technician’s role in performing the tasks associated with these concepts within an operating unit. Project required.

**Prerequisites:** Successful completion of PTEC 132 and PTEC 161 with a grade of “C” or higher.
  - Social/Behavioral Science 3 hrs.

Total: 17 Hours

**Fourth Semester**

- Humanities 3 hrs.

**PTEC 207 - Quality**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course introduces students to industry and laboratory related quality concepts including operating consistency, continuous improvement, economics, team skills, root cause analysis/scientific reasoning, precision and accuracy of measuring system and statistical process control.

**Prerequisites:** Must be eligible for MATH 99 or higher level Math.

**PTEC 244 - Troubleshooting**
This course applies a six-step troubleshooting method for solving and correcting operation problems. There is a focus on malfunctions as opposed to process design or configuration improvements. This course uses data from the instrumentation to determine the cause for the abnormal conditions in an organized and regimented way.

**Prerequisites:** Successful completion of PTEC 132 and PTEC 161 with a grade of “C” or higher.

**PTEC Related Elective**

**PTEC 263 - Fluid Mechanics**

This course addresses fluids, fluid types, chemical and physical natures and factors affecting fluids while in motion. Reviews basic calculations relative to flow and volume. Discusses other topics such as laminar/turbulent flow, viscosity, and Reynolds Number.

**Prerequisites:** PTEC 161 with a grade of “C” or higher.

**ENGL 220 - Technical Writing**

Development of written communication skills required in the technical, professional, and scientific workplace. Course includes preparation of reports, proposals, memorandums, letters, abstracts, and other writing assignments, including a research paper.

**Prerequisites:** ENGL 102 and CINS 101 with a grade of “C” or higher.

(Third Semester-continued)
Students who are unable to obtain an external internship will be required to take an internal internship consisting of 140 hours of departmentally approved team activities utilizing the PTEC laboratories and simulation programs. Drug screen required.

**SPCM 120 - Intro To Public Speaking**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

Total: 18 Hours

**Note(s):**

- ‡ Humanities Elective: ENGL Literature courses, HIST, HUMN and PHIL
- † Fine Arts Elective: ARTS, MUSC, THEA
- ^ CDYC Elective must be approved by the student’s advisor and may be taken from the following: CDYC or EDUC
- * Students placing in any 095 developmental courses OR two or more developmental courses are required to take Academic Skills Seminar
- – ACSE 101, 3 credit hours.

**Social Sciences Track Transfer Degree, A.A.L.T.**

Requirements for the AALT track in social sciences are listed below. When more than one option for fulfilling a requirement is given, even if some of these options are listed as “recommended” or “electives,” students should select courses that are required for the major they intend to pursue at a university. Students transferring to a University of Louisiana System (ULS) institution should follow the appropriate ULS track.

**Social Sciences Track**

**English Composition & Literature (Humanity) 9 hours**

Complete both:

**ENGL 101 - English Composition I**
Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

ENGL 102 - English Composition

Total Credits = Cr. 3  
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

Prerequisites: ENGL 101 with a grade of “C” or higher.

Choose one literature:

ENGL 201 - English Literature

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is a survey of important works of English literature from the Anglo-Saxon period to the Restoration and Eighteenth Century. Writers studied in the course will include Chaucer, Marlowe, Shakespeare, Donne, Milton, Swift and others.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 202 - English Literature

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is a survey of important works of English literature from the Romantic Period through the Twentieth Century. Writers studied in the course will include Blake, Shelley, Wordsworth, Keats, Byron, Coleridge, Browning, Tennyson, Conrad, Yeats, Joyce, Lawrence, Eliot, Auden and others.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 203 - American Literature I
This course will be a survey of significant works in American Literature from its beginnings to 1860. Included in the course are Native American myths, works by early explorers and settlers, the literature of reason and revolution, and the Romantic and Transcendental movements.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 204 - American Literature II

A survey of American Literature from 1860 to the present. Major writers include Whitman, Dickinson, Twain, Frost, Eliot, Hemingway, Faulkner and Steinbeck, as well as the rising voices of ethnic and women’s literature in the 20th century.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 205 - World Literature

A survey of the major works of World Literature from the Classical Period to the Renaissance, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 206 - World Literature

A survey of the major works of World Literature from the Renaissance to the present, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 207 - Literature Of The Old Testament

A survey of the major works of World Literature from the Renaissance to the present, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

Prerequisites: ENGL 102 with a grade of “C” or higher.
This course is a survey of literature found in the Old Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

**Prerequisites:** ENGL 102 with “C” or higher.

### ENGL 208 - Literature Of The New Testament

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

This course is a survey of literature found in the New Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

**Prerequisites:** ENGL 102 with “C” or higher.

### ENGL 211 - Survey Of Short Stories & Novels

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

Skills for reading and writing about fiction; attention to generic conventions and critical perspectives; section emphasis may vary; consult departmental handout.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

### ENGL 215 - Introduction To Drama & Poetry

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

The course is designed to develop in students an ability to understand, analyze and evaluate drama and poetry. The first half of the course focuses on drama and introduces the student to plays from the Greek classics through the twentieth century. The second half of the course emphasizes poetry that reflects different forms, subjects, themes and points of view. Since reading is a major focus of this course, students will practice a variety of interrelated reading and interpretative skills. Students’ writing should move beyond paraphrasing into analysis, interpretation and argumentation.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

Fine Arts 3 hours

### ARTS 120 - Art Appreciation
(Formerly ARTS 101)

**Total Credits = Cr. 3**  
Lecture = Lec. 3

Lecture and discussion of the visual arts with emphasis on how and why works have been created in present and earlier times. All major forms of drawing, painting, printmaking, sculpture, design and architecture are explored in basic terms.

**ARTS 201 - Survey Of Art History I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the prehistoric period through the Gothic.

**ARTS 202 - Survey Of Art History II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the Renaissance to Modern time.

**MUSC 101 - Music Appreciation**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

This course is designed to foster an understanding of music through the study of selected examples of musical works. Emphasis is placed upon the analysis of compositions in conjunction with references to cultural and historical developments.

**THEA 190 - Theatre Appreciation**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

This course seeks to improve both the appreciation for and understanding of theatre art that includes the structure, focus and purpose of dramatic literature, its presentation (acting), and directing/managing, as well as physical designing (scenery, lighting, costumes, make-up) and related theatrical elements. This course, where possible, includes attendance at local theatrical presentations.
Social/Behavioral Sciences 6 hours (3 at 200 level)

**ECON 201 - Macroeconomics**

Total Credits = Cr. 3  
Lecture = Lec. 3

A study of price and output determination, theories of production, determination of prices in regulated and unregulated industries, functional distribution of income, and international economics.

**ECON 202 - Microeconomics**

Total Credits = Cr. 3  
Lecture = Lec. 3

A study of economics, economic concepts and economic institutions. Emphasizes the operation and function of a market economy while analyzing economic problems related to income, employment, the business cycle, money and banking, growth and development.

**Prerequisites:** ECON 201

**GEOG 202 - Cultural Geography**

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to the concepts, themes and techniques of cultural geography; topical discussion of religion, politics, language, population, agriculture, urbanization, environmental and social problems.

**GEOG 205 - Physical Geography**

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to the concepts, themes and disciplines of physical geography. Discussion of atmospheric moisture, pressure and temperature, plate tectonics, volcanism, weathering and mass wasting, diastrophism, coastal processes, fluvial processes, global ecosystems and weather systems.

**POLI 110 - American Government**
The principles, institutions, processes and functions of government. Emphasis is on the national government, the development of our constitutional system and the role of the citizen in the democratic process.

**PSYC 201 - Introduction To Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;  

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

**PSYC 225 - Child Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;  

Physical, intellectual, social and emotional factors in child growth and development.  

**Prerequisites:** PSYC 201.

**PSYC 226 - Developmental Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;  

Physical, psychological, and social aspects of the individual from conception to death. Cultural, social, and hereditary factors that affect the individual’s behavior throughout the life cycle.  

**Prerequisites:** PSYC 201 with a “C” or higher.

**PSYC 227 - Adolescent Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;  

A study of the physical and mental growth of youth during the period of adolescence and the transition from childhood to adulthood.  

**Prerequisites:** PSYC 201 with a “C” or higher.
SOCL 201 - Introduction To Sociology

Total Credits = Cr. 3
Lecture = Lec. 3;

As an introduction to the discipline of sociology, this course surveys and provides students with an understanding of human society and social life. It introduces students to the major subject areas of sociology, including the major theoretical perspectives and theorists; logic and techniques of research; social organization, institutions, and inequality and social change.

SOCL 202 - Contemporary Social Problems

Total Credits = Cr. 3
Lecture = Lec. 3;

A description and sociological analysis of major contemporary social problems in American society. The focus is on both the individual and societal levels (on both social action and social structure) and on the reciprocal relationship between them.

Prerequisites: SOCL 201 with “C” or higher.

Math/A.R. 6 hours

MATH 110 - College Algebra

Total Credits = Cr. 3
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.
  • GenEd Math/A.R. Elective1 3hrs.

Natural Sciences 9 hours

Students must complete a six-hour sequence in either the biological or physical sciences. The remaining three hours must be in the opposite area (i.e., both biological and physical sciences must be taken).

Biological Sci. Sequences
BIOL 101 - General Biology I

Total Credits = Cr. 3  
Lecture = Lec. 3

Course surveys the building blocks of life, basic principles of genetics, evolution and diversity, basic principles of the form and function of plants, animal anatomy, physiology and behavior and their effects on ecology (for non-science majors.)

Prerequisites: Eligibility for ENGL 101 and MATH 110.

BIOL 102 - General Biology II

Total Credits = Cr. 3  
Lecture = Lec. 3

Course covers the structure of the human body, its functions and its interaction with the environment and mankind.

Prerequisites: BIOL 101 with a grade of “C” or higher

BIOL 201 - Principles Of Biology I

Total Credits = Cr. 3  
Lecture = Lec. 3

This course covers the concept of scientific methodology, genetics, cell structure and development, evolution and ecology and provides a laboratory component that coincides with the lecture; Designed for students majoring in a science related field.

Prerequisites: Eligibility for ENGL 101 and MATH 110 and successful completion of PHSC 120 or a high or college level chemistry.

BIOL 202 - Principles Of Biology II

Total Credits = Cr. 3  
Lecture = Lec. 3

This course covers the concepts of human evolution and effects on ecology, ecological interactions, natural selection, adaptation, speciation and phylogeny.

Prerequisites: Grade of “C” or higher in BIOL 201

BIOL 221 - Human Anatomy And Physiology I

Total Credits = Cr. 3
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body. The emphasis of the lecture will be on the physiology of organs and tissues. Topics covered will include the human organism, chemical basis of life, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, spinal cord, spinal nerves, brain, cranial nerves, and integration of nervous system functions, autonomic nervous system and special senses. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Eligibility to enroll in ENGL 101 and MATH 110 and successful completion of PHSC 120 or high school or college level chemistry.

**Corequisites:** Concurrent enrollment in BIOL 223, Human Anatomy & Physiology I Laboratory.

**BIOL 222 - Human Anatomy & Physiology II**

**Total Credits = Cr. 3**
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body covering the endocrine system, cardiovascular, lymphatic (immune), respiratory, digestive, urinary and reproductive systems, development, growth, aging, nutrition, acid base balance and genetics. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Completion of BIOL 221 and BIOL 223 with a grade of C or better.

**Corequisites:** Concurrent enrollment in BIOL 224, Human Anatomy & Physiology II Laboratory.

**Physical Sci. Sequences**

**CHEM 101 - General Chemistry**

**Total Credits = Cr. 3**
Lecture = Lec. 3

An introduction to chemistry, this course presents the basics of inorganic chemistry including the following topics: scientific measurements and calculations, elements and compounds, bonding, stoichiometry, calorimetry, gases, solutions and concentrations, acids and bases. Integrated into this course are problem-solving and quantitative approaches. This course is intended for non-science and pre-allied health majors.

**Prerequisites:** Completion of MATH 110 with a grade of “C” or higher; Grade of “C” or better in College Algebra or and ACT score of 20 in math.

**Corequisites:** Concurrent enrollment in CHEM 103;

**CHEM 102 - General Chemistry II**

**Total Credits = Cr. 3**
Lecture course includes an introduction to organic and biochemistry chemistry for non-science majors and selected pre-allied health majors. This course presents basic principles of organic chemistry and biochemistry with emphasis on chemistry of carbon, alkanes, alkenes, alkynes, aromatics, alcohols, phenols, thiols, ethers, aldehydes, ketones, carboxylic acids, amines, amides, carbohydrates, lipids, proteins, enzymes, metabolism, and molecular genetics. Integrated into this course are problem solving and quantitative approaches.

**Prerequisites:** Successful completion of CHEM 101 and CHEM 103 with a grade of “C” or higher

**CHEM 110 - Chemistry I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on atomic structure, periodicity, bonds, thermochemistry, molecular geometry, gas laws, solutions, and stoichiometry. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in College Algebra or and ACT score of 20 in math.  
**Corequisites:** None

**CHEM 120 - Chemistry II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on reaction kinetics and equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and the chemistry of metals and nonmetals. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in CHEM 110.  
**Corequisites:** None

**GEOL 101 - Physical Geology**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

An introduction to the scope of geology, the external and internal features of the earth such as landforms, and the agents which are responsible for them including volcanoes, glaciers, earthquakes, wind and running water.

**GEOL 102 - Historical Geology**
The development, changes and destruction of the land features and sea areas of the earth and the changing panorama of plant and animal life from the earth’s origin to the present day.

Prerequisites: Successful completion of GEOL 101, Physical Geology, with a grade of “C” or higher or by special permission.

PHSC 100 - Physical Science I

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is a presentation of an integrated approach to essential concepts in physics such as motion, gravity, heat, electricity, magnetism, sound and light and to emphasize the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

Prerequisites: Eligibility to enroll in MATH 99 or higher level math

PHSC 120 - Physical Science II

Total Credits = Cr. 3
Lecture = Lec. 3;

This course introduces the student to the following concepts of basic chemistry: atoms and their structure, atomic models, atomic nucleus and electron configuration, mixture, bonding, acids and bases, and oxidation and reduction.

Prerequisites: Eligibility for MATH 99 or higher level math

PHYS 210 - General Physics I

Total Credits = Cr. 3
Lecture = Lec. 3;

This first semester of a two-semester sequence is an overview of basic concepts and principles of mechanics, heat, and sound. This course is intended for science majors.

Prerequisites: Successful completion of MATH 111, Plane Trigonometry, with a grade of “C” or higher; Corequisites: Concurrent enrollment in PHYS 211, General Physics I Laboratory

PHYS 220 - General Physics II

Total Credits = Cr. 3
This second semester of a two-semester sequence is an overview of basic concepts and principles of optics, electricity, magnetism, and other topics of modern physics. This course is intended for science majors.

**Prerequisites:** Successful completion of PHYS 210 & PHYS 211 with a grade of “C” or higher;
**Corequisites:** Concurrent enrollment in PHYS 221, General Physics II Laboratory

**SCIE 101 - Introductory Earth Science I**

**Total Credits = Cr.3**
**Lecture = Lec.3;**

This survey course will present an integrated approach to general earth science with an emphasis on the following: geology with an introduction to oceanography, meteorology, and astronomy. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. Field trips may be arranged, but not required.

**Prerequisites:** None;
**Corequisites:** None

**SCIE 102 - Introductory Earth Science II**

**Total Credits = Cr.3**
**Lecture = Lec.3;**

This survey course will present an integrated approach to general earth science. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. General Earth Science 102 will include the following disciplines: geology, oceanography, meteorology, and astronomy with emphasis on oceanography, meteorology, and astronomy. Field trips may be arranged, but not required.

**Prerequisites:** None- Students may enroll in SCIE 102 without having taken SCIE 101;
**Corequisites:** None

**Individual Biological Sciences Courses**

**BIOL 210 - General Microbiology**

(formerly BIOL 212)

**Total Credits = Cr. 3**
**Lecture = Lec 3**

Course presents an integrated approach to essential concepts in Microbiology and provides a foundation for practical, hands-on work and critical thinking that are a part of science and medical based professions(for science majors).
**Prerequisites:** Successful completion of BIOL 221 and BIOL 223 with a grade of “C” or higher.

**Corequisites:** Concurrent enrollment in BIOL 211, General Microbiology Laboratory

### BIOL 228 - Pathophysiology

**Total Credits = Cr. 3**  
Lecture = Lec. 3

A detailed study of the mechanisms of disease, alterations in body defenses and the effects on the following body systems: hematological, cardiovascular, respiratory, urinary, gastrointestinal, endocrine, reproductive, nervous, skeletal and integumentary.

**Prerequisites:** Completion of BIOL 221, BIOL 222, BIOL 223 & BIOL 224 with a grade of “C” or higher in each.

### BIOL 230 - Principles Of Zoology

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course is designed for students with majors and minors in biological science. The course presents the major concepts of biology as illustrated by animal life and studies selected vertebrates as laboratory animals. An introduction to the anatomy, physiology, classification, and relationships of major animal phyla will be covered. Emphasis will be placed on levels of organization, reproduction, evolution of animal life, diversity and the environment. This course may be used as a general science elective to satisfy the core content requirements.

**Prerequisites:** Eligibility for MATH 110 and ENGL 101; Successful completion of PHSC 120 or high school or college level chemistry.

### SCIE 114 - Environmental Science & Lab

**Total Credits = Cr 3**  
Lecture = Lec. 3;

Study of the interactions of human activity with the environment and the future impact of these actions. Ecological, impact, sustainable management and risk analysis will be integrated throughout the course.

**Prerequisites:** Completion of MATH 110 with a grade of “C” or higher.

### Individual Physical Science Courses

### PHYS 110 - Foundations Of Astronomy
This course presents an integrated approach to basic astronomy and astronomical concepts. Basic science skills such as the scientific method are highlighted through astronomy. Astronomic concepts will include the following topics: light and properties of light, lenses, astrophotography, and formation of the universe, galaxies, solar systems, and planets. Practical observational techniques of space objects are performed through use of telescopes. Sunspot activity is monitored via the Internet and through observations of the sun with the appropriate equipment.

**Prerequisites:** Eligibility to enroll in MATH 99 or higher level math.

**Humanities 6 hours**

**Recommended:**

**Sequence in history or foreign language**

**HIST 101 - Western Civilization To 1650 A.D.**

Total Credits = Cr. 3  
Lecture = Lec. 3  

A survey of civilization of the world to 1650. Major emphasis on western civilization.

**HIST 102 - Western Civilization Since 1650 A.D.**

Total Credits = Cr. 3  
Lecture = Lec. 3  

A survey of civilization of the world from 1650 to the present. Major emphasis on western civilization.

**HIST 201 - History Of The United States 1492-1877**

Total Credits = Cr. 3  
Lecture = Lec. 3  

A survey of United States history from discovery through Reconstruction.

**HIST 202 - History Of The Us 1877-present**
Total Credits = Cr. 3
Lecture = Lec. 3

A survey of United States history from Reconstruction to the present.

**FREN 101 - Elementary French I**

Total Credits = Cr. 3
Lecture = Lec. 3

A beginning course designed for students with no previous knowledge of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

**FREN 102 - Elementary French II**

Total Credits = Cr. 3
Lecture = Lec. 3

A continuation of FREN 101. designed for students who have completed one semester of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

**Prerequisites:** FREN 101

**FREN 201 - Intermediate French**

Total Credits = Cr. 3
Lecture = Lec. 3

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** FREN 101, FREN 102

**FREN 202 - Intermediate French**

Total Credits = Cr. 3
Lecture = Lec. 3

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.
Prerequisites: FREN 101, FREN 102, FREN 201

SPAN 101 - Elementary Spanish I

Total Credits = Cr. 3
Lecture = Lec. 3;

An introduction to Spanish language and culture. The course explores the basic grammatical structures of the Spanish language. Throughout the semester, students will develop writing, reading and speaking skills. Emphasis will be placed on communicative skills.

SPAN 102 - Elementary Spanish II

Total Credits = Cr. 3
Lecture = Lec. 3;

A continuation of SPAN 101. The course will extend students’ elementary knowledge of the basic grammatical structures of the Spanish language. Throughout the semester, students will continue to develop reading, writing and speaking skills. Emphasis will be placed on communication skills.

Prerequisites: SPAN 101 with “C” or higher

SPAN 201 - Intermediate Spanish I

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is designed to build upon and extend students’ elementary knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: SPAN 102 with “C” or higher

SPAN 202 - Intermediate Spanish II

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is designed to build upon and extend students’ intermediate knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: SPAN 201 with “C” or higher
Other options:

Choose other humanities from above list, literature list or from:

**PHIL 201 - Introduction To Philosophy**

*Total Credits = Cr. 3*
*Lecture = Lec. 3;*

An introduction to philosophical ideas, problems and methods through a study of important philosophers and the major systems of philosophy. Topics to be covered may include appearance and reality, human nature, nature of knowledge, relation of mind with body, the right and the good, the existence of God, and freedom and determinism.

**SPCM 110 - Fundamentals Of Speech**

*Total Credits = Cr. 3*
*Lecture = Lec. 3;*

This course develops an awareness of the history and traditions of speech communication worthy of academic study. The course is a summary of this academic and professional field and is comprised of the component parts of organizational and business communication, mass communication, small group and interpersonal communication, as well as public speaking.

**SPCM 120 - Intro To Public Speaking**

*Total Credits = Cr. 3*
*Lecture = Lec. 3;*

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

**SPCM 130 - Interpersonal Communication**

*Total Credits = Cr. 3*
*Lecture = Lec. 3;*

This speech and personal communication course is designed for students who are interested in improving their personal knowledge and practice of the principles that govern their interpersonal (usually one-to-one) and intrapersonal (within oneself) communication behavior on a daily basis. This course applies to personal, social and professional context interactions and relationships that often govern their success personally, professionally and in everyday social activities.

**Social Science or Related Electives 9 hours**
Choose from departments listed below.

- Economics - ECON
- Geography - GEOG
- Political Science - POLI
- Psychology - PSYC
- Sociology - SOCL

Other related electives approved by advisor

Social Science, Humanities, Lab, & Related Electives 12 hours

Choose from departments listed below.

Social Sciences:

- Economics - ECON
- Geography - GEOG
- Political Science - POLI
- Psychology - PSYC
- Sociology - SOCL

Foreign Language Series:

- French - FREN
- Spanish - SPAN

Humanities:

- English - ENGL
- History - HIST
- Philosophy - PHIL
- Speech - SPCH

Other:

Other related electives approved by advisor

Not more than one 1-hour science lab that corresponds with a natural science lecture used toward the fulfillment of the natural science requirement

Note(s):

Completion of the Associate of Arts/Science Louisiana Transfer (AALT, ASLT) degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an AALT/ASLT degree.
Additional Information

Footnotes

1 Students may take any course (assuming they have completed the appropriate prerequisites) from the list that follows to fulfill the general education math elective requirement: MATH 111, MATH 117, MATH 120, MATH 201, MATH 210, MATH 220, MATH 221

2 This category, “other related electives approved by advisor,” is included to enable students to take courses that are not listed among the associate degree requirements but are required for the intended university major. Students should not take courses with the expectation that they will count as “other related electives” unless the courses have been approved by an advisor.

3 While no lab is required, students may opt to take a single one-credit hour lab that corresponds with one of the three lectures used toward the fulfillment of the natural sciences requirement.

Completing an Associate of Arts/Science Louisiana Transfer Degree (AALT/ASLT) at LDCC

- A student’s placement in English and math courses will be determined by ACT, SAT, and/or COMPASS scores. As a result of these scores, some students may be required to take developmental classes in preparation for the English and math classes required for the transfer degree. Note: When appropriate, previous college work will be used to determined placement in these subject areas.
- A course may be applied only once for degree credit.
- Transfer coursework is unofficial until all official transcripts are evaluated and posted.
- To graduate with the AALT or ASLT, students must have LDCC and adjusted cumulative grade-point averages of 2.00.
- Students should refer to the LDCC General Catalog for a detailed explanation of graduation requirements.

Transferring to a University with an AALT or ASLT Degree

Advising and planning are key to a student’s success in maximizing the transfer experience. All students who might eventually transfer from one institution to another should develop, with an advisor’s assistance, a written degree plan of courses to take for the transfer associate degree. Whenever possible, students should use the transfer degree requirements to satisfy the admission requirements of the university to which they wish to transfer; the university’s senior college, departmental, and/or program admission requirements; and course requirements for the baccalaureate degree. Additionally, a student with coursework from multiple institutions may need to contact the Campus Transfer Ombudsman* at the transfer university for information regarding the applicability of non-LDCC coursework toward the intended major at the university.

Completion of the AALT or ASLT does not guarantee that a student will have the grade-point average necessary for admission to the university, senior college, department, program, etc, to which a student wishes to transfer. It is therefore essential that students find out these requirements* as early as possible.

*To identify the Campus Transfer Ombudsman (or designated contact person) or GPA requirements for the university to which you wish to transfer, visit the statewide articulation web site. Links to each participating institution’s articulation web site can be found here with other helpful academic resources.

Teaching: Grades 1-5, A.S.

The Associate of Science in Teaching (AST) degree is an innovative program that is designed to attract talented individuals looking for a flexible and cost-effective way to pursue a college degree and begin the path toward becoming certified elementary teachers (grades 1-5).
It is also beneficial to students that do not wish to continue to a 4 year full teaching degree. These students can opt to become highly qualified para-professionals employable by local districts.

All of the course credits earned in this program of study will transfer to a four-year elementary education program in Louisiana, enabling AST degree recipients to enter such a program at a Junior level.

In addition to general education courses, students will complete two professional education courses that include 37 hours of associated field experience and must pass two parts of the PRAXIS teacher certification exam before graduation. Candidates will also be encouraged to join or participate in a number of programs, clubs, etc. that are designed to further their professional development.

Degree Requirements for Associate of Science in Teaching Grades 1-5

First Semester

Also required during the first semester is ACSE 100 for 1 credit. ACSE is required for all LDCC degree majors.

**ACSE 100 - Academic Seminar**

| Total Credits = Cr. 1 |
| Lecture = Lec. 1 |

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average. Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.

**ENGL 101 - English Composition I**

| Total Credits = Cr. 3 |
| Lecture = Lec. 3 |

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

**Prerequisites:** ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

**MATH 110 - College Algebra**

| Total Credits = Cr. 3 |
| Lecture = Lec. 3; |

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.
**Prerequisites:** Placement based on placement survey of ACT score.

**BIOL 101 - General Biology I**

*Total Credits = Cr. 3*
* Lecture = Lec. 3*

Course surveys the building blocks of life, basic principles of genetics, evolution and diversity, basic principles of the form and function of plants, animal anatomy, physiology and behavior and their effects on ecology (for non-science majors.)

**Prerequisites:** Eligibility for ENGL 101 and MATH 110.

**BIOL 103 - General Biology I Lab**

*Total Credits = Cr. 1*
*/ Laboratory = Lab 3*

Laboratory designed to accompany and enhance BIOL 101, General Biology I.

**Prerequisites or Corequisites:** Enrollment in or completion of BIOL 101 with a grade of “C” or higher.

**HIST 102 - Western Civilization Since 1650 A.D.**

*Total Credits = Cr. 3*
* Lecture = Lec. 3*

A survey of civilization of the world from 1650 to the present. Major emphasis on western civilization.

Total: 14 hours

**Second Semester**

**MATH 203 - Elementary Number Structure**

*Total Credits = Cr. 3*
* Lecture = Lec. 3;
Emphasis of the course is elementary number theory, operations, algorithms, and problem solving.

**Prerequisites:** A grade of “C” or higher in MATH 105 or MATH 110.

**BIOL 102 - General Biology II**

**Total Credits = Cr. 3**
Lecture = Lec. 3

Course covers the structure of the human body, its functions and its interaction with the environment and mankind.

**Prerequisites:** BIOL 101 with a grade of “C” or higher

**HIST 201 - History Of The United States 1492-1877**

**Total Credits = Cr. 3**
Lecture = Lec. 3

A survey of United States history from discovery through Reconstruction.

* Fine Arts Elective† 3 hrs.

**Total: 15 hours**

**Third Semester**

**ENGL 202 - English Literature**

**Total Credits = Cr. 3**
Lecture = Lec. 3

This course is a survey of important works of English literature from the Romantic Period through the Twentieth Century. Writers studied in the course will include Blake, Shelley, Wordsworth, Keats, Byron, Coleridge, Browning, Tennyson, Conrad, Yeats, Joyce, Lawrence, Eliot, Auden and others.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**MATH 204 - Conceptual Geometry**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

Emphasis of the course is topics in formal and informal geometry.

Prerequisites: A grade of “C” or higher in MATH 203.

**PHSC 100 - Physical Science I**

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is a presentation of an integrated approach to essential concepts in physics such as motion, gravity, heat, electricity, magnetism, sound and light and to emphasize the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

Prerequisites: Eligibility to enroll in MATH 99 or higher level math

**PHSC 110 - Physical Science I Lab**

Total Credits = Cr. 1
Laboratory = Lab 3;

This laboratory is designed to accompany and enhance the lecture course Physical Science I (PHSC 100). Activities and exercises will address concepts presented in PHSC 100 in addition to emphasizing the personal application of science, the process skills, problem solving, and discovery/ inquiry learning.

Prerequisites or Corequisites: Concurrent enrollment in or successful completion of PHSC 100 with a grade of “C” or higher

**GEOG 202 - Cultural Geography**

Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to the concepts, themes and techniques of cultural geography; topical discussion of religion, politics, language, population, agriculture, urbanization, environmental and social problems.

**TEAC 201 - Teaching And Learning In Diverse Settings I**

Total Credits = Cr. 3
Lecture = Lec. 3;

This course focuses on the diverse needs of students and the role of educators in recognizing and addressing learners’ needs. Two primary topics will be addressed within the course: Diverse Ways of Knowing and Learning, and, Professional Issues of
Diversity in Education. The course will involve a combination of lecture, group learning, reflection and site based experiences within schools.

- Diverse Settings I

Total: 16 hours

Fourth Semester

**ENGL 204 - American Literature II**

**Total Credits = Cr. 3**
Lecture = Lec. 3

A survey of American Literature from 1860 to the present. Major writers include Whitman, Dickinson, Twain, Frost, Eliot, Hemingway, Faulkner and Steinbeck, as well as the rising voices of ethnic and women’s literature in the 20th century.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**MATH 210 - Introduction To Statistics**

**Total Credits = Cr.3**
Lecture = Lec. 3;

This course is designed to introduce students to the fundamentals of descriptive and inferential statistics with a pronounced emphasis on inference. The major topics include methods for analyzing sets of data, probability, probability distributions, estimation, confidence intervals, hypotheses testing, simple linear regression, correlation and non-parametric statistics.

**Prerequisites:** TH 110 with “C” or higher.

**PHSC 120 - Physical Science II**

**Total Credits = Cr.3**
Lecture = Lec.3;

This course introduces the student to the following concepts of basic chemistry: atoms and their structure, atomic models, atomic nucleus and electron configuration, mixture, bonding, acids and bases, and oxidation and reduction.

**Prerequisites:** Eligibility for MATH 99 or higher level math

**PHSC 130 - Physical Science II Lab**
Laboratory designed to accompany PHSC 120, Physical Science II. Activities and exercises will address concepts presented in PHSC 120 in addition to emphasizing the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

Prerequisites or Corequisites: Concurrent enrollment in or successful completion of PHSC 120 with a grade of “C” or higher

POLI 110 - American Government

Total Credits = Cr. 3
Lecture = Lec. 3;

The principles, institutions, processes and functions of government. Emphasis is on the national government, the development of our constitutional system and the role of the citizen in the democratic process.

TEAC 203 - Teaching And Learning In Diverse Settings II

Total Credits = Cr. 3
Lecture = Lec. 3;

This course focuses on the diverse needs of students and the role of educators in recognizing and addressing learners’ needs. Two primary topics will be addressed within the course: Diverse Ways of Knowing and Learning, and, Professional Issues of Diversity in Education. The course will involve a combination of lecture, group learning, reflection and site based experiences within schools.

• in Diverse Settings II‡

Total: 16 hours

Total Hours: 61 Credit Hours

Note(s):

† Fine Arts Elective: ARTS, MUSC, THEA

*** Also required during the first semester is ACSE 100 for 1 credit. ACSE is required for all LDCC degree majors.

† Choose from ARTS 201, MUSC 101, or THEA 190.

‡ Instructor permission and admission pre-requisites required.
* Required Natural Science general education courses must come from a two-semester sequence of either physical or life science.

** PSYC 201 required as Social/Behavioral Science General Education Requirement.

Pre-requisites for TEAC classes

To be admitted to TEAC classes, you must:

- Be eligible for admission at LDCC.
- Complete all developmental coursework with a grade of “C” or better.
- Minimum accumulated GPA of 2.0 or higher in previously attempted course work.
- Submit an AST application, including letter of recommendation, résumé, and personal statement.
- Successfully complete the entrance interview.
- Complete and clear a background check before enrolling in TEAC classes.
- Instructor permission

Clubs and Organizations

An assortment of clubs and organizations will be offered as they are formed. The focus of all clubs and organizations is to promote teaching and professional development.

Planned groups include:

Associated Professional Educators of Louisiana (A+PeI)– student membership

Future Teachers of Louisiana (FTL)

Kappa Delta Pi

Welding, T.D.

**Program Type:** Technical Diploma (TD)

**Program Length:** 60 Credit Hours/1800 Clock Hours

Program Description

The purpose of the Welding Program is to prepare individuals for employment in the field of welding. Instruction is provided in various processes and techniques of welding including oxy-fuel cutting, carbon arc cutting, shielded metal arc welding, gas tungsten arc welding, flux-cored arc welding, gas metal arc welding, pipe-welding, plasma arc cutting, blueprint reading, weld symbols, and joints. After completion of this program, the student will have covered the skills designated by the AWS (American Welding Society) and will be prepared to take the AWS Entry Level Welder test.

Welding Course Listing

Program Core:
WELD 1110 - Occupational Orientation & Safety

Total Credits = Cr: 3  
Lecture = Lec: 2; / Laboratory = Lab: 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

Prerequisites: Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

WELD 1120 - Basic Blueprint, Metallurgy & Welding Symbols

Total Credits = Cr: 3  
Lecture = Lec: 2; / Laboratory = Lab: 1;

This course provides instruction and review of basic construction mathematics, weld symbol interpretation, reading welding detail drawings, basic metallurgy, metal identification, and heat treatment of metals.

Prerequisites: WELD 1110 plus meets minimum approved Math entrance score, and consent of the Instructor/Advisor.

WELD 1130 - Welding Inspection & Testing

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to codes, standards, and agencies regulating the welding industry, a review of weld quality standards, concepts in proper visual and destructive testing methods, and a study of proper base metal preparation and joint fit-up.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1140 - Electrical Fundamentals

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1210 - Oxyfuel Systems
An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practice cutting mild steel using both the manual and machine process.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

---

**WELD 1310 - Cutting Processes - CAC/PAC**

An introduction to the principals of safely operating Air Carbon Arc Cutting (CAC-A) and Plasma Arc Cutting (PAC) equipment including practice cutting and gouging ferrous and non-ferrous metals.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

---

**WELD 1410 - SMAW - Basic Beads**

An introduction to the principals of Shielded Metal Arc Welding (SMAW), component and consumable identification including the safe setup of equipment and practice of welding stinger beads, weave beads, and overlapping beads in various positions using various electrodes.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

---

**WELD 1411 - SMAW - Fillet Weld**

Safely setup and operate Shielded Metal Arc Welding (SMAW) equipment with practice of single and multi-pass fillet welds in the flat, horizontal, vertical, and overhead positions using various electrodes.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

---

**WELD 1412 - SMAW - V-Groove Bu/Gouge**

---
Safely setup and operate Shielded Metal Arc Welding (SMAW) equipment with practice of V-Groove welds with a backing or back gouging in the flat, horizontal, vertical, and overhead positions using various electrodes.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2110 - FCAW - Basic Fillet Welds**

**Total Credits = Cr: 3**
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Flux Core Arc Welding (FCAW), component and consumable identification including the safe setup of equipment and practice of fillet welds in the flat, vertical, horizontal, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2111 - FCAW - Groove Welds**

**Total Credits = Cr: 3**
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Flux Core Arc Welding (FCAW) equipment with practice of V-Groove welds with a backing or back gouging in the flat, horizontal, vertical, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2210 - GTAW - Multi-joint**

**Total Credits = Cr: 3**
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Gas Tungsten Arc Welding (GTAW), component and consumable identification including the safe setup of equipment and practice of welding beads (fillet welds), and groove welds in the flat, vertical, horizontal, and overhead positions using carbon steel consumables.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2230 - GTAW - Aluminum Multi-joint**

**Total Credits = Cr:3**
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Gas Tungsten Arc Welding Aluminum (GTAW-A), component and consumable identification including the safe setup of equipment and practice of welding fillet and groove welds in the flat, horizontal,
vertical, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2310 - GMAW - Basic Fillet Weld**

**Total Credits = Cr: 3**  
Lecture = Lec: 1; / Laboratory = Lab 2;

An introduction to the principals of Gas Metal Arc Welding (GMAW), types of weld transfer, weld quality, and component and consumable identification including the safe setup of equipment and practice of welding fillet welds in the flat, horizontal, vertical, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2311 - GMAW - Groove Weld**

**Total Credits = Cr: 3**  
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Gas Metal Arc Welding (GMAW) equipment with practice of open V-Groove welds in the flat, horizontal, vertical, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**CPT 1000 - Introduction To Computers**

**Total Credits = Cr: 2**  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introductory study of computer system components, operating system environments. Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

**Prerequisites:** None

**JOBS 2450 - Job Seeking Skills**

**Total Credits = Cr: 2**  
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work
Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 44 hrs./ 1320 clock hrs.

Required Electives:

SMAW Process

WELD 1420 - SMAW - V-Groove Open

Total Credits = Cr: 4
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the safe setup of equipment and principals of Shielded Metal Arc Welding (SMAW) for open V-Groove welds, joint preparation, proper weld quality, qualification testing, and practice welding open V-Groove welds in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1510 - SMAW - Pipe 2G

Total Credits = Cr: 4
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the safe setup of equipment and principals of Shielded Metal Arc Welding of Pipe (SMAW-Pipe) in the 2G vertical fixed position, joint preparation, proper weld quality, qualification testing, and practice welding Shielded Metal Arc Welding of Pipe (SMAW-Pipe) in the 2G vertical fixed position.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1511 - SMAW - Pipe 5G

Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4;
Safely setup equipment and apply principals of Shielded Metal Arc Welding of Pipe (SMAW-Pipe) in the 5G horizontal fixed position, review joint preparation, review proper weld quality and qualification testing, and practice welding Shielded Metal Arc Welding of Pipe (SMAW-Pipe) in the 5G horizontal fixed position.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1512 - SMAW - Pipe 6G**

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup equipment and apply principals of Shielded Metal Arc Welding of Pipe (SMAW-Pipe) in the 6G - 45° fixed position, review joint preparation, review proper weld quality and qualification testing, and practice welding Shielded Metal Arc Welding of Pipe (SMAW-Pipe) in the 6G - 45° fixed position.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1610 - SMAW Stainless Steel (SMAW-SS) Multi-joint**

Total Credits = Cr: 4  
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Shielded Metal Arc Welding Stainless Steel (SMAW-SS), component and consumable identification including the safe setup of equipment and practice of groove welds in the flat, vertical, horizontal, and overhead positions using stainless steel consumables.

**Prerequisites:** WELD 1110, WELD 1420 or WELD 2885 and the consent of the Instructor/Advisor.

**WELD 1620 - SMAW Stainless Steel (SMAW-SS) 5G Pipe**

Total Credits = Cr: 4  
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the safe setup of equipment and principals of Shielded Metal Arc Welding of Stainless Steel Pipe (SMAW-SS Pipe) in the 5G horizontal fixed position, joint preparation, proper weld quality, qualification testing, and practice welding Shielded Metal Arc Welding of Stainless Steel Pipe (SMAW-SS Pipe) in the 5G horizontal fixed position.

**Prerequisites:** WELD 1110, WELD 1610, WELD 1510, WELD 1511, WELD 1512, or WELD 2885 and the consent of the Instructor/Advisor.

**WELD 1621 - SMAW Stainless Steel (SMAW-SS) 2G Pipe**

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;
Safely setup equipment and apply principals of Shielded Metal Arc Welding of Stainless Steel Pipe (SMAW-SS Pipe) in the 2G vertical fixed position, review joint preparation, review proper weld quality and qualification testing, and practice welding Shielded Metal Arc Welding of Stainless Steel Pipe (SMAW-SS Pipe) in the 2G vertical fixed position.

**Prerequisites:** WELD 1110, WELD 1610, WELD 1510, WELD 1511, WELD 1512 or WELD 2885 and the consent of the Instructor/Advisor.

**WELD 1622 - Smaw Stainless Steel (SMAW-SS) 6G Pipe**

**Total Credits = Cr: 4**
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup equipment and apply principals of Shielded Metal Arc Welding of Stainless Steel Pipe (SMAW-SS Pipe) in the 6G - 45° fixed position, review joint preparation, review proper weld quality and qualification testing, and practice welding Shielded Metal Arc Welding of Stainless Steel Pipe (SMAWSS Pipe) in the 6G - 45° fixed position.

**Prerequisites:** WELD 1110, WELD 1610, WELD 1510, WELD 1511, WELD 1512 or WELD 2885 and the consent of the Instructor/Advisor.

**FCAW Process**

**WELD 2112 - FCAW - Pipe 5G**

**Total Credits = Cr: 4**
Lecture = Lec: 1; / Laboratory = Lab: 3;

Safely setup and operate Flux Core Arc Welding pipe (FCAW-Pipe) equipment, proper assembly of a 5G - horizontal fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 5G pipe joint.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2113 - FCAW - Pipe 2G**

**Total Credits = Cr: 4**
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Flux Core Arc Welding pipe (FCAW-Pipe) equipment, proper assembly of a 2G – vertical fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 2G pipe joint.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2114 - FCAW - Pipe 6G**
Safely setup and operate Flux Core Arc Welding pipe (FCAW-Pipe) equipment, proper assembly of a 6G(R) - 45° fixed position pipe joint with/without a restriction ring, proper weld quality, safe setup of equipment and practice welding a 6G(R) pipe joint.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

### GTAW Process

#### WELD 2220 - GTAW - Pipe 5G

- Total Credits = Cr: 4
- Lecture = Lec: 0; / Laboratory = Lab: 4;

An introduction to the principals of Gas Tungsten Arc Welding of Pipe (GTAW-Pipe) in the 5G horizontal fixed position, proper assembly of a 5G pipe joint, proper weld quality, safe setup of equipment and practice welding a 5G horizontal fixed position pipe joint.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

#### WELD 2221 - GTAW - Pipe 2G

- Total Credits = Cr: 4
- Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Gas Tungsten Arc Welding Pipe (GTAW-Pipe) equipment, proper assembly of a 2G vertical fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 2G vertical fixed position pipe joint.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

#### WELD 2222 - GTAW - Pipe 6G

- Total Credits = Cr: 4
- Lecture = Lec: 0; / Laboratory = Lab: 4;


**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

#### WELD 2240 - GTAW Low Alloy (GTAW-LA) 5G Pipe
An introduction to the principals of Gas Tungsten Arc Welding of Low Alloy Pipe (GTAW- Low Alloy Pipe) in the 5G horizontal fixed position, proper assembly of a 5G pipe joint, proper weld quality, protecting the root, safe setup of equipment and practice welding a 5G horizontal fixed position pipe joint.

**Prerequisites:** WELD 1110, WELD 2220, WELD 2221, WELD 2222 or WELD 2885 and the consent of the Instructor/Advisor.

**WELD 2241 - GTAW Low Alloy (GTAW-LA) 2G Pipe**

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Gas Tungsten Arc Welding Low Alloy pipe (GTAWLow Alloy Pipe) equipment, proper assembly of a 2G vertical fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 2G vertical fixed position pipe joint.

**Prerequisites:** WELD 1110, WELD 2240 or WELD 2885 and the consent of the Instructor/Advisor.

**WELD 2242 - GTAW Low Alloy (GTAW-LA) 6G Pipe**

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4


**Prerequisites:** WELD 1110, WELD 2240 or WELD 2885 and the consent of the Instructor/Advisor.

**WELD 2250 - GTAW Stainless Steel (GTAW-SS) 5G Pipe**

Total Credits = Cr: 4  
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Gas Tungsten Arc Welding of Stainless Steel Pipe (GTAW- Stainless Steel Pipe) in the 5G horizontal fixed position, proper assembly of a 5G pipe joint, proper weld quality, protecting the root, safe setup of equipment and practice welding a 5G horizontal fixed position pipe joint.

**Prerequisites or Corequisites:** WELD 1110, WELD 2220, WELD 2221, WELD 2222 or WELD 2885 and the consent of the Instructor/Advisor.  
**Prerequisites:** WELD 1110, WELD 2220, WELD 2221, WELD 2222 or WELD 2885 and the consent of the Instructor/Advisor.

**WELD 2251 - GTAW Stainless Steel (GTAW-SS) 2G Pipe**
Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Gas Tungsten Arc Welding Stainless Steel pipe (GTAW- Stainless Steel Pipe) equipment, proper assembly of a 2G vertical fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 2G vertical fixed position pipe joint.

Prerequisites: WELD 1110, WELD 2250 or WELD 2885 and the consent of the Instructor/ Advisor.

WELD 2252 - GTAW Stainless Steel (GTAW-SS) 6G Pipe

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;


Prerequisites: WELD 1110, WELD 2250 or WELD 2885 and the consent of the Instructor/ Advisor.

WELD 2260 - GTAW Aluminum (GTAW-AL) 5G Pipe

Total Credits = Cr: 4  
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Gas Tungsten Arc Welding of Aluminum Pipe (GTAW- Aluminum Pipe) in the 5G horizontal fixed position, proper assembly of a 5G pipe joint, proper weld quality, protecting the root, safe setup of equipment and practice welding a 5G horizontal fixed position pipe joint.

Prerequisites: WELD 1110, WELD 2230, WELD 2220, WELD 2221, WELD 2222 or WELD 2885 WELD 2885 and the consent of the Instructor/Advisor.

WELD 2261 - GTAW Aluminum (GTAW-AL) 2G Pipe

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Gas Tungsten Arc Welding Aluminum pipe (GTAW-Aluminum Pipe) equipment, proper assembly of a 2G vertical fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 2G vertical fixed position pipe joint.

Prerequisites: WELD 1110, WELD 2260 or WELD 2885 and the consent of the Instructor/Advisor.

WELD 2262 - GTAW Aluminum (GTAW-AL) 6G Pipe

**Prerequisites:** WELD 1110, WELD 2260 or WELD 2885 and the consent of the Instructor/Advisor.

---

**GMAW Process**

**WELD 2320 - GMAW - Pipe 2G**

Total Credits = Cr: 4
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Gas Metal Arc Welding of Pipe (GMAWPipe) in the 2G vertical fixed position, proper assembly of a 2G pipe joint, proper weld quality, safe setup of equipment, and practice welding a 2G vertical fixed position pipe joint.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

---

**WELD 2321 - GMAW - Pipe 5G**

Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Gas Metal Arc Welding pipe (GMAW-Pipe) equipment, proper assembly of a 5G horizontal fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 5G horizontal fixed position pipe joint.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

---

**WELD 2322 - GMAW - Pipe 6G**

Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4;


**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.
WELD 2330 - GMAW - Aluminum Multi-joint

Total Credits = Cr: 4
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Gas Metal Arc Welding Aluminum (GMAW-A), component and consumable identification including the safe setup of equipment and practice of welding beads, fillet welds, and groove welds in the flat, vertical, horizontal, and overhead position.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2340 - GMAW Aluminum (GMAW-AL) 5G Pipe

Total Credits = Cr: 4
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Gas Metal Arc Welding of Aluminum Pipe (GMAW-Aluminum Pipe) in the 5G horizontal fixed position, proper assembly of a 5G pipe joint, proper weld quality, protecting the root, safe setup of equipment and practice welding a 5G horizontal fixed position pipe joint.

Prerequisites: WELD 1110, WELD 2330, WELD 2320, WELD 2321, WELD 2322 or WELD 2885 and the consent of the Instructor/Advisor.

WELD 2341 - GMAW Aluminum (GMAW-AL) 2G Pipe

Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Gas Metal Arc Welding Aluminum pipe (GMAW-Aluminum Pipe) equipment, proper assembly of a 2G vertical fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 2G vertical fixed position pipe joint.

Prerequisites: WELD 1110, WELD 2340 or WELD 2885 and the consent of the Instructor/Advisor.

WELD 2342 - GMAW Aluminum (GMAW-AL) 6G Pipe

Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4;


Prerequisites: WELD 1110, WELD 2340 or WELD 2885 and the consent of the Instructor/Advisor.
Advanced Procedures

WELD 1121 - Advanced Blueprint Reading

Total Credits = Cr: 4  
Lecture = Lec: 2; / Laboratory = Lab: 2;

Instruction in this course includes a review of basic blueprint reading and an introduction to advanced blueprint layout, concepts, nomenclature, mark-up, and sketching specifications. Advanced disciplines covered may include Architectural, Civil, Electronics, Manufacturing, and Marine, Piping, Structural, ISO (International Standards Organization) or other industry specific disciplines.

Prerequisites: WELD 1110, WELD 1120 plus meets minimum approved Math entrance score, and consent of the Instructor/Advisor.

WELD 2410 - Automated Welding Processes

Total Credits = Cr: 3  
Lecture = Lec: 2; / Laboratory = Lab: 1;

An introduction to automated welding processes including a review of fundamental automated welding process knowledge, welding procedures, joint design, equipment set-up and operation. Process applications may include but are not limited to SAW (Submerged Arc Welding), FCAW (Flux-Core Arc Welding), GMAW (Gas Metal Arc Welding), and GTAW (Gas Tungsten Arc Welding).

Prerequisites: WELD 1110 and consent of the Instructor/Advisor.

WELD 2420 - Construction Procedures I

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in construction procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)
WELD 2421 - Construction Procedures II

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in construction procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2422 - Construction Procedures III

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in construction procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2423 - Construction Procedures IV

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in construction procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)
WELD 2430 - Maintenance Procedures I

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in maintenance procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)
Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2431 - Maintenance Procedures II

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in maintenance procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)
Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2432 - Maintenance Procedures III

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in maintenance procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)
Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)
WELD 2433 - Maintenance Procedures IV

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in maintenance procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2440 - Manufacturing Procedures I

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in manufacturing procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2441 - Manufacturing Procedures II

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in manufacturing procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)
WELD 2442 - Manufacturing Procedures III

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in manufacturing procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2443 - Manufacturing Procedures IV

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in manufacturing procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2450 - Marine Procedures I

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in marine procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)
WELD 2451 - Marine Procedures II

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in marine procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)
Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2452 - Marine Procedures III

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in marine procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)
Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2453 - Marine Procedures IV

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in marine procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)
Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)
WELD 2460 - Piping Procedures I

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in piping procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2461 - Piping Procedures II

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in piping procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2462 - Piping Procedures III

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in piping procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)
WELD 2463 - Piping Procedures IV

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in piping procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2470 - Pressure Vessel Procedures I

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in pressure vessel procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2471 - Pressure Vessel Procedures II

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in pressure vessel procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)
WELD 2472 - Pressure Vessel Procedures III

**Total Credits = Cr: 2**
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in pressure vessel procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2473 - Pressure Vessel Procedures IV

**Total Credits = Cr: 2**
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in pressure vessel procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2480 - Shipbuilding Procedures I

**Total Credits = Cr: 2**
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in shipbuilding procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)
WELD 2481 - Shipbuilding Procedures II

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in shipbuilding procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2482 - Shipbuilding Procedures III

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in shipbuilding procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2483 - Shipbuilding Procedures IV

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in shipbuilding procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)
WELD 2490 - Structural Procedures I

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in structural procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2491 - Structural Procedures II

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in structural procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2492 - Structural Procedures III

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in structural procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)
WELD 2493 - Structural Procedures IV

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in structural procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

Approved Electives

WELD 2883 - Basic Skills Evaluation

Total Credits = Cr: 1  
Lecture = Lec: 0; / Laboratory = Lab: 1;

A course designed to assess a student’s life skills in welding and welding related performance and/or knowledge. Specific skills tested will be determined by the instructor and may include any combination of competency indicated in the welding program core curriculum. This assessment will be used to determine a student’s readiness to enter the program at a more advanced skill level.

WELD 2885 - Advanced Skills Evaluation

Total Credits = Cr: 1  
Lecture = Lec: 0; / Laboratory = Lab: 1;

A course designed to assess a student’s life skills in advanced welding and welding related performance and/or knowledge. Specific skills tested will be determined by the instructor and may include any combination of competency indicated throughout the welding program. This assessment will be used to determine a student’s readiness to enter the program at a more advanced skill level. Note: Documented industry based certifications obtained within the past “6” (six) months may be substituted for skills determination with the instructors consent. This course is “NOT” a substitute for taking or challenging a core and/or required electives course and “NO” credit will be given toward a credit course.

Prerequisites: Consent of instructor

WELD 2893 - SMAW Certification Preparation
A review and practice of skills and procedures associated with advanced Shielded Metal Arc Welding (SMAW) to prepare for industry certification.

Prerequisites: Consent of the Instructor/Advisor.

WELD 2895 - FCAW Certification Preparation

Total Credits = Cr: 3
Lecture = Lec: 0; / Laboratory = Lab: 3;

A review and practice of skills and procedures associated with advanced Shielded Metal Arc Welding (SMAW) to prepare for industry certification.

Prerequisites: Consent of the Instructor/Advisor.

WELD 2897 - GTAW Certification Preparation

Total Credits = Cr: 3
Lecture = Lec: 0; / Laboratory = Lab: 3;

A review and practice of skills and procedures associated with advanced Shielded Metal Arc Welding (SMAW) to prepare for industry certification.

Prerequisites: Consent of the Instructor/Advisor.

WELD 2899 - GMAW Certification Preparation

Total Credits = Cr: 3
Lecture = Lec: 0; / Laboratory = Lab: 3;

A review and practice of skills and procedures associated with advanced Shielded Metal Arc Welding (SMAW) to prepare for industry certification.

Prerequisites: Consent of the Instructor/Advisor.

WELD 2996 - Certification I

Total Credits = Cr: 4
Lecture = Lec: 2; / Laboratory = Lab: 2;
A review of American Welding Society certification requirements, materials and mastered student skills, compare completed records; take an AWS closed book certification exam, and prepare workmanship qualification samples according to the AWS QC10- Entry Level Welder standard.

Prerequisites: Complete Program Core and the consent of the Instructor/ Advisor.

**WELD 2997 - Practicum**

**Total Credits = Cr: 3**  
Lecture = Lec: 0; / Laboratory = Lab: 3;

A Practicum provides supervised on-the-job work experience related to the student’s education objectives. Students participating in Practicum do not receive compensation.

Prerequisites: Consent of

**WELD 2999 - Cooperative Education**

**Total Credits = Cr: 3**  
Lecture = Lec: 0; / Laboratory = Lab: 3;

Cooperative Education provides supervised on-the-job work experience related to the student’s educational objectives. Students participating in Cooperative Education receive compensation for their work.

Prerequisites: Consent of instructor

**WELD 2991 - Special Projects I**

**Total Credits = Cr: 1**  
Lecture = Lec: 0; / Laboratory = Lab: 1;

A course designed for the student who has demonstrated specific special needs.

Prerequisites: Consent of instructor

**WELD 2993 - Special Projects II**

**Total Credits = Cr: 2**  
Lecture = Lec: 0; / Laboratory = Lab: 2;

A course designed for the student who has demonstrated specific special needs.

Prerequisites: Consent of instructor
WELD 2995 - Special Projects III

Total Credits = Cr: 3
Lecture = Lec: 0; / Laboratory = Lab: 3;

A course designed for the student who has demonstrated specific special needs.

Prerequisites: Consent of instructor

WELD 2992 - Special Projects IV

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

A course designed for the student who has demonstrated specific special needs.

Prerequisites: Consent of instructor

WELD 2994 - Special Projects V

Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4;

A course designed for the student who has demonstrated specific special needs.

Prerequisites: Consent of instructor

WELD 2990 - Special Projects VI

Total Credits = Cr: 6
Lecture = Lec: 0; / Laboratory = Lab: 6;

A course designed for the student who has demonstrated specific special needs.

Prerequisites: Consent of instructor

Optional Elective

CSRV 1000 - Customer Service
This course is intended to help participants' progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

Prerequisites: Consent of Instructor

Total: 16 hrs./ 480 clock hrs.

TD - Welding

To meet the requirements to earn a diploma, students must complete the program core and select an additional minimum of 16 credits from ANY of the courses listed as "Required Electives."

Total: 60 hrs./ 1800 clock hrs.

Certificate Exit Levels are Below:

TCA - Welder Helper

WELD 1110 - Occupational Orientation & Safety

Total Credits = Cr: 3
Lecture = Lec: 2; / Laboratory = Lab 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

Prerequisites: Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

WELD 1140 - Electrical Fundamentals

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;
An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

Total: 5 hrs./105 clock hrs.

TCA - Thermal Cutter

**WELD 1110 - Occupational Orientation & Safety**

**Total Credits = Cr: 3**
Lecture = Lec: 2; / Laboratory = Lab: 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

**Prerequisites:** Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

**WELD 1210 - Oxyfuel Systems**

**Total Credits = Cr: 2**
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practice cutting mild steel using both the manual and machine process.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

Total: 5 hrs./120 clock hrs.

TCA - Arc Cutter

**WELD 1110 - Occupational Orientation & Safety**
Total Credits = Cr: 3
Lecture = Lec: 2; / Laboratory = Lab 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

Prerequisites: Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

WELD 1140 - Electrical Fundamentals

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1310 - Cutting Processes - CAC/PAC

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of safely operating Air Carbon Arc Cutting (CAC-A) and Plasma Arc Cutting (PAC) equipment including practice cutting and gouging ferrous and non-ferrous metals.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

Total: 7 hrs./ 150 clock hrs.

TCA - Arc Welder Skills Upgrade

WELD 2883 - Basic Skills Evaluation

Total Credits = Cr: 1
Lecture = Lec: 0; / Laboratory = Lab: 1;

A course designed to assess a student’s life skills in welding and welding related performance and/or knowledge. Specific skills tested will be determined by the instructor and may include any combination of competency indicated in the welding program
core curriculum. This assessment will be used to determine a student’s readiness to enter the program at a more advanced skill level.

**WELD 2885 - Advanced Skills Evaluation**

**Total Credits = Cr: 1**
Lecture = Lec: 0; / Laboratory = Lab: 1;

A course designed to assess a student’s life skills in advanced welding and welding related performance and/or knowledge. Specific skills tested will be determined by the instructor and may include any combination of competency indicated throughout the welding program. This assessment will be used to determine a student’s readiness to enter the program at a more advanced skill level. Note: Documented industry based certifications obtained within the past “6” (six) months may be substituted for skills determination with the instructors consent. This course is “NOT” a substitute for taking or challenging a core and/or required electives course and “NO” credit will be given toward a credit course.

**Prerequisites:** Consent of instructor

**WELD 1110 - Occupational Orientation & Safety**

**Total Credits = Cr: 3**
Lecture = Lec: 2; / Laboratory = Lab 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

**Prerequisites:** Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.
- PLUS - A minimum of 4 credits from the list of Required Electives 4 hrs./ 120 clock hrs.

Total: 8 hrs./ 210 clock hrs.

**TCA - Tack Welder/Fitter Helper**

**WELD 1110 - Occupational Orientation & Safety**

**Total Credits = Cr: 3**
Lecture = Lec: 2; / Laboratory = Lab 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working
environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

Prerequisites: Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

WELD 1120 - Basic Blueprint, Metallurgy & Welding Symbols

Total Credits = Cr: 3  
Lecture = Lec: 2; / Laboratory = Lab: 1;

This course provides instruction and review of basic construction mathematics, weld symbol interpretation, reading welding detail drawings, basic metallurgy, metal identification, and heat treatment of metals.

Prerequisites: WELD 1110 plus meets minimum approved Math entrance score, and consent of the Instructor/Advisor.

WELD 1210 - Oxyfuel Systems

Total Credits = Cr:2  
Lecture = Lec: 1; / Laboratory = Lab:1;

An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practice cutting mild steel using both the manual and machine process.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1410 - SMAW - Basic Beads

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of Shielded Metal Arc Welding (SMAW), component and consumable identification including the safe setup of equipment and practice of welding stinger beads, weave beads, and overlapping beads in various positions using various electrodes.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

Total: 10 hrs./ 255 clock hrs.

TCA - Production Line Welder
WELD 1110 - Occupational Orientation & Safety

Total Credits = Cr: 3
Lecture = Lec: 2; / Laboratory = Lab 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

Prerequisites: Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

WELD 1140 - Electrical Fundamentals

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1210 - Oxyfuel Systems

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practicecutting mild steel using both the manual and machine process.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1410 - SMAW - Basic Beads

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of Shielded Metal Arc Welding (SMAW), component and consumable identification including the safe setup of equipment and practice of welding stinger beads, weave beads, and overlapping beads in various positions using various electrodes.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

PLUS – Any ONE below (3 hrs./ 105 clock hrs.)
WELD 1411 - SMAW - Fillet Weld

Total Credits = Cr: 3
Lecture = Lec: 0 / Laboratory = Lab: 3

Safely setup and operate Shielded Metal Arc Welding (SMAW) equipment with practice of single and multi-pass fillet welds in the flat, horizontal, vertical, and overhead positions using various electrodes.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2110 - FCAW - Basic Fillet Welds

Total Credits = Cr: 3
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Flux Core Arc Welding (FCAW), component and consumable identification including the safe setup of equipment and practice of fillet welds in the flat, vertical, horizontal, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2210 - GTAW - Multi-joint

Total Credits = Cr: 3
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Gas Tungsten Arc Welding (GTAW), component and consumable identification including the safe setup of equipment and practice of welding beads (fillet welds), and groove welds in the flat, vertical, horizontal, and overhead positions using carbon steel consumables.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2310 - GMAW - Basic Fillet Weld

Total Credits = Cr: 3
Lecture = Lec: 1; / Laboratory = Lab 2;

An introduction to the principals of Gas Metal Arc Welding (GMAW), types of weld transfer, weld quality, and component and consumable identification including the safe setup of equipment and practice of welding fillet welds in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.
Total: 12 hrs./ 330 clock hrs.

CTS - Production Line Welder II

WELD 1110 - Occupational Orientation & Safety

Total Credits = Cr: 3  
Lecture = Lec: 2; / Laboratory = Lab 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

Prerequisites: Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

WELD 1140 - Electrical Fundamentals

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1210 - Oxyfuel Systems

Total Credits = Cr:2  
Lecture = Lec: 1; / Laboratory = Lab:1;

An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practicecutting mild steel using both the manual and machine process.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1310 - Cutting Processes - CAC/PAC

Total Credits = Cr: 2
An introduction to the principals of safely operating Air Carbon Arc Cutting (CAC-A) and Plasma Arc Cutting (PAC) equipment including practice cutting and gouging ferrous and non-ferrous metals.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1410 - SMAW - Basic Beads**

**Total Credits = Cr: 2**  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of Shielded Metal Arc Welding (SMAW), component and consumable identification including the safe setup of equipment and practice of welding stinger beads, weave beads, and overlapping beads in various positions using various electrodes.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

- PLUS - Any ONE Advanced Procedures course 2 hrs./ 60 clock hrs.

PLUS - 12 credits from list below (12 hrs./ 420 clock hrs.)

**WELD 1411 - SMAW - Fillet Weld**

**Total Credits = Cr: 3**  
Lecture = Lec: 0 / Laboratory = Lab: 3;

Safely setup and operate Shielded Metal Arc Welding (SMAW) equipment with practice of single and multi-pass fillet welds in the flat, horizontal, vertical, and overhead positions using various electrodes.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1412 - SMAW - V-Groove Bu/Gouge**

**Total Credits = Cr: 3**  
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Shielded Metal Arc Welding (SMAW) equipment with practice of V-Groove welds with a backing or back gouging in the flat, horizontal, vertical, and overhead positions using various electrodes.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2110 - FCAW - Basic Fillet Welds**
An introduction to the principals of Flux Core Arc Welding (FCAW), component and consumable identification including the safe setup of equipment and practice of fillet welds in the flat, vertical, horizontal, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2111 - FCAW - Groove Welds

Total Credits = Cr: 3
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Flux Core Arc Welding (FCAW) equipment with practice of V-Groove welds with a backing or back gouging in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2210 - GTAW - Multi-joint

Total Credits = Cr: 3
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Gas Tungsten Arc Welding (GTAW), component and consumable identification including the safe setup of equipment and practice of welding beads (fillet welds), and groove welds in the flat, vertical, horizontal, and overhead positions using carbon steel consumables.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2230 - GTAW - Aluminum Multi-joint

Total Credits = Cr: 3
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Gas Tungsten Arc Welding Aluminum (GTAW-A), component and consumable identification including the safe setup of equipment and practice of welding fillet and groove welds in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2310 - GMAW - Basic Fillet Weld

Total Credits = Cr: 3
An introduction to the principals of Gas Metal Arc Welding (GMAW), types of weld transfer, weld quality, and component and consumable identification including the safe setup of equipment and practice of welding fillet welds in the flat, horizontal, vertical, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

### WELD 2311 - GMAW - Groove Weld

**Total Credits = Cr: 3**  
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Gas Metal Arc Welding (GMAW) equipment with practice of open V-Groove welds in the flat, horizontal, vertical, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

Total: 25 hrs./ 750 clock hrs.

### CTS - Production Line Welder - Shipbuilding

### WELD 1110 - Occupational Orientation & Safety

**Total Credits = Cr: 3**  
Lecture = Lec: 2; / Laboratory = Lab 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

**Prerequisites:** Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

### WELD 1140 - Electrical Fundamentals

**Total Credits = Cr: 2**  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.
Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1210 - Oxyfuel Systems**

Total Credits = Cr:2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practice cutting mild steel using both the manual and machine process.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1410 - SMAW - Basic Beads**

Total Credits = Cr:2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of Shielded Metal Arc Welding (SMAW), component and consumable identification including the safe setup of equipment and practice of welding stinger beads, weave beads, and overlapping beads in various positions using various electrodes.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2110 - FCAW - Basic Fillet Welds**

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Flux Core Arc Welding (FCAW), component and consumable identification including the safe setup of equipment and practice of fillet welds in the flat, vertical, horizontal, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2480 - Shipbuilding Procedures I**

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in shipbuilding procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)
**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 1130 - Welding Inspection & Testing**

**Total Credits = Cr: 2**  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to codes, standards, and agencies regulating the welding industry, a review of weld quality standards, concepts in proper visual and destructive testing methods, and a study of proper base metal preparation and joint fit-up.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1411 - SMAW - Fillet Weld**

**Total Credits = Cr: 3**  
Lecture = Lec: 0 / Laboratory = Lab: 3

Safely setup and operate Shielded Metal Arc Welding (SMAW) equipment with practice of single and multi-pass fillet welds in the flat, horizontal, vertical, and overhead positions using various electrodes.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1310 - Cutting Processes - CAC/PAC**

**Total Credits = Cr: 2**  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of safely operating Air Carbon Arc Cutting (CAC-A) and Plasma Arc Cutting (PAC) equipment including practice cutting and gouging ferrous and non-ferrous metals.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2111 - FCAW - Groove Welds**

**Total Credits = Cr: 3**  
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Flux Core Arc Welding (FCAW) equipment with practice of V-Groove welds with a backing or back gouging in the flat, horizontal, vertical, and overhead positions.
Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2481 - Shipbuilding Procedures II

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in shipbuilding procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)
Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

Total: 26 hrs./ 765 clock hrs.

CTS - Arc Welder - GTAW

WELD 1110 - Occupational Orientation & Safety

Total Credits = Cr: 3
Lecture = Lec: 2; / Laboratory = Lab: 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

Prerequisites: Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

WELD 1140 - Electrical Fundamentals

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.
Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1210 - Oxyfuel Systems

Total Credits = Cr:2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practice cutting mild steel using both the manual and machine process.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1310 - Cutting Processes - CAC/PAC

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of safely operating Air Carbon Arc Cutting (CAC-A) and Plasma Arc Cutting (PAC) equipment including practice cutting and gouging ferrous and non-ferrous metals.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2210 - GTAW - Multi-joint

Total Credits = Cr: 3
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Gas Tungsten Arc Welding (GTAW), component and consumable identification including the safe setup of equipment and practice of welding beads (fillet welds), and groove welds in the flat, vertical, horizontal, and overhead positions using carbon steel consumables.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.
  • PLUS ANY 3 courses from the GTAW Required Electives 12 hrs./ 360 clock hrs.

Total: 24 hrs./ 675 clock hrs.

CTS - Arc Welder - GMAW

WELD 1110 - Occupational Orientation & Safety
Total Credits = Cr: 3
Lecture = Lec: 2; / Laboratory = Lab 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

Prerequisites: Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

WELD 1140 - Electrical Fundamentals

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1210 - Oxyfuel Systems

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practice cutting mild steel using both the manual and machine process.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1310 - Cutting Processes - CAC/PAC

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of safely operating Air Carbon Arc Cutting (CAC-A) and Plasma Arc Cutting (PAC) equipment including practice cutting and gouging ferrous and non-ferrous metals.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2310 - GMAW - Basic Fillet Weld

Total Credits = Cr: 3
An introduction to the principals of Gas Metal Arc Welding (GMAW), types of weld transfer, weld quality, and component and consumable identification including the safe setup of equipment and practice of welding fillet welds in the flat, horizontal, vertical, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2311 - GMAW - Groove Weld**

**Total Credits = Cr: 3**
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Gas Metal Arc Welding (GMAW) equipment with practice of open V-Groove welds in the flat, horizontal, vertical, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

- PLUS ANY 3 courses from the GMAW Required Electives 12 hrs./ 360 clock hrs.

Total: 27 hrs./ 780 clock hrs.

**CTS - Arc Welder - FCAW**

**WELD 1110 - Occupational Orientation & Safety**

**Total Credits = Cr: 3**
Lecture = Lec: 2; / Laboratory = Lab 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

**Prerequisites:** Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

**WELD 1140 - Electrical Fundamentals**

**Total Credits = Cr: 2**
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including
welding related equipment connection and a review of tools used in welding procedures.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1210 - Oxyfuel Systems**

**Total Credits = Cr:2**
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practice cutting mild steel using both the manual and machine process.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1310 - Cutting Processes - CAC/PAC**

**Total Credits = Cr: 2**
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of safely operating Air Carbon Arc Cutting (CAC-A) and Plasma Arc Cutting (PAC) equipment including practice cutting and gouging ferrous and non-ferrous metals.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2110 - FCAW - Basic Fillet Welds**

**Total Credits = Cr: 3**
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Flux Core Arc Welding (FCAW), component and consumable identification including the safe setup of equipment and practice of fillet welds in the flat, vertical, horizontal, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2111 - FCAW - Groove Welds**

**Total Credits = Cr: 3**
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Flux Core Arc Welding (FCAW) equipment with practice of V-Groove welds with a backing or back gouging in the flat, horizontal, vertical, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

- PLUS ANY 3 courses from the FCAW Required Electives 12 hrs./ 360 clock hrs.
Total: 27 hrs./ 780 clock hrs.

CTS - Arc Welder - SMAW

WELD 1110 - Occupational Orientation & Safety

Total Credits = Cr: 3
Lecture = Lec: 2; / Laboratory = Lab 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

Prerequisites: Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

WELD 1140 - Electrical Fundamentals

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1210 - Oxyfuel Systems

Total Credits = Cr:2
Lecture = Lec: 1; / Laboratory = Lab:1;

An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practice cutting mild steel using both the manual and machine process.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1310 - Cutting Processes - CAC/PAC

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of safely operating Air Carbon Arc Cutting (CAC-A) and Plasma Arc Cutting (PAC) equipment including practice cutting and gouging ferrous and non-ferrous metals.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1410 - SMAW - Basic Beads

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of Shielded Metal Arc Welding (SMAW), component and consumable identification including the safe setup of equipment and practice of welding stinger beads, weave beads, and overlapping beads in various positions using various electrodes.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1411 - SMAW - Fillet Weld

Total Credits = Cr: 3
Lecture = Lec: 0 / Laboratory = Lab: 3

Safely setup and operate Shielded Metal Arc Welding (SMAW) equipment with practice of single and multi-pass fillet welds in the flat, horizontal, vertical, and overhead positions using various electrodes.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1412 - SMAW - V-Groove Bu/Gouge

Total Credits = Cr: 3
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Shielded Metal Arc Welding (SMAW) equipment with practice of V-Groove welds with a backing or back gouging in the flat, horizontal, vertical, and overhead positions using various electrodes.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1420 - SMAW - V-Groove Open

Total Credits = Cr: 4
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the safe setup of equipment and principals of Shielded Metal Arc Welding (SMAW) for open V-Groove
welds, joint preparation, proper weld quality, qualification testing, and practice welding open V-Groove welds in the flat, horizontal, vertical, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

- PLUS ANY 3 courses from the SMAW Required Electives 12 hrs./ 360 clock hrs.

Total: 33 hrs./ 960 clock hrs.

# Programs by School

## Louisiana Delta Community College

### LDCC General Education Requirement

The general education requirements below are to be used in conjunction with the Associate of Arts/Science Louisiana Transfer (AALT and ASLT) degrees, all of which go into effect for the fall 2010 semester. General education courses should be selected so that they meet the requirements of the associate degree being pursued as well as the requirements of the anticipated major at the university to which the student intends to transfer.

Students completing a Louisiana transfer degree must complete all general education courses, as well as all other courses for the transfer degree, with grades of “C” or better.

### English Composition 6 hours

6 hours—Complete both courses.

**ENGL 101 - English Composition I**

**Total Credits = Cr. 3**
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

**Prerequisites:** ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

**ENGL 102 - English Composition**
Total Credits = Cr. 3
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

Prerequisites: ENGL 101 with a grade of “C” or higher.

Humanities 9 Hours

9 hours including 3 in literature.

ENGL 201 - English Literature

Total Credits = Cr. 3
Lecture = Lec. 3

This course is a survey of important works of English literature from the Anglo-Saxon period to the Restoration and Eighteenth Century. Writers studied in the course will include Chaucer, Marlowe, Shakespeare, Donne, Milton, Swift and others.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 202 - English Literature

Total Credits = Cr. 3
Lecture = Lec. 3

This course is a survey of important works of English literature from the Romantic Period through the Twentieth Century. Writers studied in the course will include Blake, Shelley, Wordsworth, Keats, Bryon, Coleridge, Browning, Tennyson, Conrad, Yeats, Joyce, Lawrence, Eliot, Auden and others.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 203 - American Literature I

Total Credits = Cr. 3
Lecture = Lec. 3

This course will be a survey of significant works in American Literature from its beginnings to 1860. Included in the course are Native American myths, works by early explorers and settlers, the literature of reason and revolution, and the Romantic and Transcendental movements.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 204 - American Literature II
A survey of American Literature from 1860 to the present. Major writers include Whitman, Dickinson, Twain, Frost, Eliot, Hemingway, Faulkner and Steinbeck, as well as the rising voices of ethnic and women’s literature in the 20th century.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 205 - World Literature**

A survey of the major works of World Literature from the Classical Period to the Renaissance, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 206 - World Literature**

A survey of the major works of World Literature from the Renaissance to the present, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 207 - Literature Of The Old Testament**

This course is a survey of literature found in the Old Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

**Prerequisites:** ENGL 102 with “C” or higher.

**ENGL 208 - Literature Of The New Testament**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**
This course is a survey of literature found in the New Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

**Prerequisites:** ENGL 102 with “C” or higher.

**ENGL 211 - Survey Of Short Stories & Novels**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

Skills for reading and writing about fiction; attention to generic conventions and critical perspectives; section emphasis may vary; consult departmental handout.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 215 - Introduction To Drama & Poetry**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

The course is designed to develop in students an ability to understand, analyze and evaluate drama and poetry. The first half of the course focuses on drama and introduces the student to plays from the Greek classics through the twentieth century. The second half of the course emphasizes poetry that reflects different forms, subjects, themes and points of view. Since reading is a major focus of this course, students will practice a variety of interrelated reading and interpretative skills. Students’ writing should move beyond paraphrasing into analysis, interpretation and argumentation.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**FREN 101 - Elementary French I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

A beginning course designed for students with no previous knowledge of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

**FREN 102 - Elementary French II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

A continuation of FREN 101. designed for students who have completed one semester of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.
Prerequisites: FREN 101

FREN 201 - Intermediate French

Total Credits = Cr. 3
Lecture = Lec. 3

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: FREN 101, FREN 102

FREN 202 - Intermediate French

Total Credits = Cr. 3
Lecture = Lec. 3

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: FREN 101, FREN 102, FREN 201

HIST 101 - Western Civilization To 1650 A.D.

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of civilization of the world to 1650. Major emphasis on western civilization.

HIST 102 - Western Civilization Since 1650 A.D.

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of civilization of the world from 1650 to the present. Major emphasis on western civilization.

HIST 201 - History Of The United States 1492-1877

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of United States history from discovery through Reconstruction.

**HIST 202 - History Of The Us 1877-present**

**Total Credits = Cr. 3**
Lecture = Lec. 3

A survey of United States history from Reconstruction to the present.

**PHIL 201 - Introduction To Philosophy**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

An introduction to philosophical ideas, problems and methods through a study of important philosophers and the major systems of philosophy. Topics to be covered may include appearance and reality, human nature, nature of knowledge, relation of mind with body, the right and the good, the existence of God, and freedom and determinism.

**SPCM 110 - Fundamentals Of Speech**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

This course develops an awareness of the history and traditions of speech communication worthy of academic study. The course is a summary of this academic and professional field and is comprised of the component parts of organizational and business communication, mass communication, small group and interpersonal communication, as well as public speaking.

**SPCM 120 - Intro To Public Speaking**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

**SPCM 130 - Interpersonal Communication**

**Total Credits = Cr. 3**
Lecture = Lec. 3;
This speech and personal communication course is designed for students who are interested in improving their personal knowledge and practice of the principles that govern their interpersonal (usually one-to-one) and intrapersonal (within oneself) communication behavior on a daily basis. This course applies to personal, social and professional context interactions and relationships that often govern their success personally, professionally and in everyday social activities.

**SPAN 101 - Elementary Spanish I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

An introduction to Spanish language and culture. The course explores the basic grammatical structures of the Spanish language. Throughout the semester, students will develop writing, reading and speaking skills. Emphasis will be placed on communicative skills.

**SPAN 102 - Elementary Spanish II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

A continuation of SPAN 101. The course will extend students’ elementary knowledge of the basic grammatical structures of the Spanish language. Throughout the semester, students will continue to develop reading, writing and speaking skills. Emphasis will be placed on communication skills.

**Prerequisites:** SPAN 101 with “C” or higher

**SPAN 201 - Intermediate Spanish I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

This course is designed to build upon and extend students’ elementary knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** SPAN 102 with “C” or higher

**SPAN 202 - Intermediate Spanish II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

This course is designed to build upon and extend students’ intermediate knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of
communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: SPAN 201 with “C” or higher

Fine Arts 3 Hours

ARTS 120 - Art Appreciation

(Formerly ARTS 101)

Total Credits = Cr. 3
Lecture = Lec. 3

Lecture and discussion of the visual arts with emphasis on how and why works have been created in present and earlier times. All major forms of drawing, painting, printmaking, sculpture, design and architecture are explored in basic terms.

ARTS 201 - Survey Of Art History I

Total Credits = Cr. 3
Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the prehistoric period through the Gothic.

ARTS 202 - Survey Of Art History II

Total Credits = Cr. 3
Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the Renaissance to Modern time.

MUSC 101 - Music Appreciation

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is designed to foster an understanding of music through the study of selected examples of musical works. Emphasis is placed upon the analysis of compositions in conjunction with references to cultural and historical developments.
THEA 190 - Theatre Appreciation

Total Credits = Cr. 3
Lecture = Lec. 3;

This course seeks to improve both the appreciation for and understanding of theatre art that includes the structure, focus and purpose of dramatic literature, its presentation (acting), and directing/managing, as well as physical designing (scenery, lighting, costumes, make-up) and related theatrical elements. This course, where possible, includes attendance at local theatrical presentations.

Natural Sciences 9 Hours

9 hours including a sequence

Students must complete a six-hour sequence in either the biological or physical sciences. The remaining three hours must be in the opposite area (i.e., both biological and physical sciences must be taken).

Biological Sciences Sequence Courses:

BIOL 101 - General Biology I

Total Credits = Cr. 3
Lecture = Lec. 3

Course surveys the building blocks of life, basic principles of genetics, evolution and diversity, basic principles of the form and function of plants, animal anatomy, physiology and behavior and their effects on ecology (for non-science majors.)

Prerequisites: Eligibility for ENGL 101 and MATH 110.

BIOL 102 - General Biology II

Total Credits = Cr. 3
Lecture = Lec. 3

Course covers the structure of the human body, its functions and its interaction with the environment and mankind.

Prerequisites: BIOL 101 with a grade of “C” or higher

BIOL 201 - Principles Of Biology I

Total Credits = Cr. 3
This course covers the concept of scientific methodology, genetics, cell structure and development, evolution and ecology and provides a laboratory component that coincides with the lecture; Designed for students majoring in a science related field.

**Prerequisites:** Eligibility for ENGL 101 and MATH 110 and successful completion of PHSC 120 or a high or college level chemistry.

**BIOL 202 - Principles Of Biology II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course covers the concepts of human evolution and effects on ecology, ecological interactions, natural selection, adaptation, speciation and phylogeny.

**Prerequisites:** Grade of “C” or higher in BIOL 201

**BIOL 221 - Human Anatomy And Physiology I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body. The emphasis of the lecture will be on the physiology of organs and tissues. Topics covered will include the human organism, chemical basis of life, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, spinal cord, spinal nerves, brain, cranial nerves, and integration of nervous system functions, autonomic nervous system and special senses. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Eligibility to enroll in ENGL 101 and MATH 110 and successful completion of PHSC 120 or high school or college level chemistry.  
**Corequisites:** Concurrent enrollment in BIOL 223, Human Anatomy & Physiology I Laboratory.

**BIOL 222 - Human Anatomy & Physiology II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body covering the endocrine system, cardiovascular, lymphatic (immune), respiratory, digestive, urinary and reproductive systems, development, growth, aging, nutrition, acid base balance and genetics. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Completion of BIOL 221 and BIOL 223 with a grade of C or better.  
**Corequisites:** Concurrent enrollment in BIOL 224, Human Anatomy & Physiology II Laboratory.
Physical Science Sequence Courses:

**CHEM 101 - General Chemistry**

**Total Credits = Cr. 3**
Lecture = Lec. 3

An introduction to chemistry, this course presents the basics of inorganic chemistry including the following topics: scientific measurements and calculations, elements and compounds, bonding, stoichiometry, calorimetry, gases, solutions and concentrations, acids and bases. Integrated into this course are problem-solving and quantitative approaches. This course is intended for non-science and pre-allied health majors.

**Prerequisites:** Completion of MATH 110 with a grade of “C” or higher; Grade of “C” or better in College Algebra or and ACT score of 20 in math.

**Corequisites:** Concurrent enrollment in CHEM 103;

**CHEM 102 - General Chemistry II**

**Total Credits = Cr. 3**
Lecture = Lec. 3

Lecture course includes an introduction to organic and biochemistry chemistry for non-science majors and selected pre-allied health majors. This course presents basic principles of organic chemistry and biochemistry with emphasis on chemistry of carbon, alkanes, alkenes, alkynes, aromatics, aromatics, alcohols, phenols, thiols, thios, aldehydes, ketones, carboxylic acids, amines, amides, carbohydrates, lipids, proteins, enzymes, metabolism, and molecular genetics. Integrated into this course are problem solving and quantitative approaches.

**Prerequisites:** Successful completion of CHEM 101 and CHEM 103 with a grade of “C” or higher

**CHEM 110 - Chemistry I**

**Total Credits = Cr. 3**
Lecture = Lec. 3

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on atomic structure, periodicity, bonds, thermochemistry, molecular geometry, gas laws, solutions, and stoichiometry. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in College Algebra or and ACT score of 20 in math.

**Corequisites:** None

**CHEM 120 - Chemistry II**
This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on reaction kinetics and equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and the chemistry of metals and nonmetals. This course is intended for science and engineering curricula.

Prerequisites: Grade of “C” or better in CHEM 110.
Corequisites: None

PHSC 100 - Physical Science I

This course is a presentation of an integrated approach to essential concepts in physics such as motion, gravity, heat, electricity, magnetism, sound and light and to emphasize the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

Prerequisites: Eligibility to enroll in MATH 99 or higher level math

PHSC 120 - Physical Science II

This course introduces the student to the following concepts of basic chemistry: atoms and their structure, atomic models, atomic nucleus and electron configuration, mixture, bonding, acids and bases, and oxidation and reduction.

Prerequisites: Eligibility for MATH 99 or higher level math

PHYS 210 - General Physics I

This first semester of a two-semester sequence is an overview of basic concepts and principles of mechanics, heat, and sound. This course is intended for science majors.

Prerequisites: Successful completion of MATH 111, Plane Trigonometry, with a grade of “C” or higher;
Corequisites: Concurrent enrollment in PHYS 211, General Physics I Laboratory

PHYS 220 - General Physics II
Total Credits = Cr. 3  
Lecture = Lec. 3;

This second semester of a two-semester sequence is an overview of basic concepts and principles of optics, electricity, magnetism, and other topics of modern physics. This course is intended for science majors.

Prerequisites: Successful completion of PHYS 210 & PHYS 211 with a grade of “C” or higher;  
Corequisites: Concurrent enrollment in PHYS 221, General Physics II Laboratory

GEOL 101 - Physical Geology

Total Credits = Cr. 3  
Lecture = Lec. 3

An introduction to the scope of geology, the external and internal features of the earth such as landforms, and the agents which are responsible for them including volcanoes, glaciers, earthquakes, wind and running water.

GEOL 102 - Historical Geology

Total Credits = Cr. 3  
Lecture = Lec. 3

The development, changes and destruction of the land features and sea areas of the earth and the changing panorama of plant and animal life from the earth’s origin to the present day.

Prerequisites: Successful completion of GEOL 101, Physical Geology, with a grade of “C” or higher or by special permission.

SCIE 101 - Introductory Earth Science I

Total Credits = Cr.3  
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science with an emphasis on the following: geology with an introduction to oceanography, meteorology, and astronomy. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. Field trips may be arranged, but not required.

Prerequisites: None;  
Corequisites: None

SCIE 102 - Introductory Earth Science II

Total Credits = Cr.3  
Lecture = Lec.3;
This survey course will present an integrated approach to general earth science. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. General Earth Science 102 will include the following disciplines: geology, oceanography, meteorology, and astronomy with emphasis on oceanography, meteorology, and astronomy. Field trips may be arranged, but not required.

**Prerequisites:** None- Students may enroll in SCIE 102 without having taken SCIE 101;

**Corequisites:** None

**Individual Biological Sciences Courses:**

**BIOL 210 - General Microbiology**

(formerly BIOL 212)

**Total Credits = Cr. 3**

Lecture = Lec 3

Course presents an integrated approach to essential concepts in Microbiology and provides a foundation for practical, hands-on work and critical thinking that are a part of science and medical based professions (for science majors).

**Prerequisites:** Successful completion of BIOL 221 and BIOL 223 with a grade of “C” or higher.

**Corequisites:** Concurrent enrollment in BIOL 211, General Microbiology Laboratory

**BIOL 228 - Pathophysiology**

**Total Credits = Cr. 3**

Lecture = Lec. 3

A detailed study of the mechanisms of disease, alterations in body defenses and the effects on the following body systems: hematological, cardiovascular, respiratory, urinary, gastrointestinal, endocrine, reproductive, nervous, skeletal and integumentary.

**Prerequisites:** Completion of BIOL 221, BIOL 222, BIOL 223 & BIOL 224 with a grade of “C” or higher in each.

**BIOL 230 - Principles Of Zoology**

**Total Credits = Cr. 3**

Lecture = Lec. 3

This course is designed for students with majors and minors in biological science. The course presents the major concepts of biology as illustrated by animal life and studies selected vertebrates as laboratory animals. An introduction to the anatomy, physiology, classification, and relationships of major animal phyla will be covered. Emphasis will be placed on levels of organization, reproduction, evolution of animal life, diversity and the environment. This course may be used as a general science
elective to satisfy the core content requirements.

**Prerequisites:** Eligibility for MATH 110 and ENGL 101; Successful completion of PHSC 120 or high school or college level chemistry.

**SCIE 114 - Environmental Science & Lab**

Total Credits = Cr 3  
Lecture = Lec. 3;

Study of the interactions of human activity with the environment and the future impact of these actions. Ecological, impact, sustainable management and risk analysis will be integrated throughout the course.

**Prerequisites:** Completion of MATH 110 with a grade of “C” or higher.

**Individual Physical Science Courses:**

**PHYS 110 - Foundations Of Astronomy**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course presents an integrated approach to basic astronomy and astronomical concepts. Basic science skills such as the scientific method are highlighted through astronomy. Astronomic concepts will include the following topics: light and properties of light, lenses, astrophotography, and formation of the universe, galaxies, solar systems, and planets. Practical observational techniques of space objects are performed through use of telescopes. Sunspot activity is monitored via the Internet and through observations of the sun with the appropriate equipment.

**Prerequisites:** Eligibility to enroll in MATH 99 or higher level math.

**Math/Analytical Reasoning 6 Hours**

6 hours specific to degree program

**MATH 105 - College Algebra (Expanded)**

Total Credits = Cr. 5  
Lecture = Lec. 5;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

**Prerequisites:** Placement based on placement survey of ACT score.
MATH 110 - College Algebra

Total Credits = Cr. 3  
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

MATH 111 - Plane Trigonometry

Total Credits = Cr. 3  
Lecture = Lec. 3;

Trigonometric functions and identities, inverse trigonometric functions, graphs, solving triangles and equations, complex numbers and polar coordinates.

Prerequisites: TH 110 with “C” or higher.

MATH 117 - A Survey Of Mathematics

Total Credits = Cr. 3  
Lecture = Lec. 3;

Course covers topics from critical thinking skills, logic, the real number system, geometry and measurement, consumer mathematics, counting principles, probability, and statistics (including the normal curve).

Prerequisites: Grade of “C” or higher in MATH 105 or MATH 110

MATH 120 - Precalculus

Total Credits = Cr. 5  
Lecture = Lec. 5;

Serves as a replacement for MATH 105 or MATH 110 and MATH 111 as a preparation for calculus. Offered to students who demonstrate a high proficiency on the appropriate math placement test. Topics from advanced algebra and trigonometry to include: real number properties, solutions of equations and inequalities, relations, functions, graphs, polynomial and rational functions, exponential and logarithmic functions, complex numbers, systems of equations, theory of equations, circular functions and analytic geometry.

Prerequisites or Corequisites: A grade of “C” or higher in MATH 105 or MATH 110 or a Math Enhanced ACT score of at least 22, or by permission of the department head.
MATH 201 - Business Calculus

Total Credits = Cr. 3
Lecture = Lec. 3;

The course will focus on limits, continuity and differential and integral calculus for algebraic, logarithmic, and exponential functions together with applications in business and economics, such as optimization, marginal analysis and exponential growth models.

Prerequisites: TH 110 with “C” or higher.

MATH 210 - Introduction To Statistics

Total Credits = Cr.3
Lecture = Lec. 3;

This course is designed to introduce students to the fundamentals of descriptive and inferential statistics with a pronounced emphasis on inference. The major topics include methods for analyzing sets of data, probability, probability distributions, estimation, confidence intervals, hypotheses testing, simple linear regression, correlation and non-parametric statistics.

Prerequisites: TH 110 with “C” or higher.

MATH 220 - Calculus I

Total Credits = Cr. 5
Lecture = Lec. 5;

This is the first course of a three course sequence. The concept of a limit is introduced, and it is used to develop the concepts of continuity and the derivative. These are studied numerically, graphically, and analytically for a wide variety of elementary, and transcendental functions. Applications of the derivative relating to curve sketching, related rates, and optimization are developed. Definite and indefinite integrals, the Fundamental Theorem of Calculus, and applications of the integral are also introduced.

Prerequisites or Corequisites: Successful completion of MATH 105/MATH 110 and MATH 111 or MATH 120, or by permission of department head.

MATH 221 - Calculus II

Total Credits = Cr. 5
Lecture = Lec. 5;

This is the second course of a three course sequence. The course continues with additional applications of the integral relating to volume, work, arc length, and surface area. Additional techniques of integration for a wide variety of functions are also developed. Other topics include: parametric equations, polar coordinates, infinite sequences and series, Taylor Polynomials, and vectors.
Prerequisites: A grade of “C” or higher in MATH 220.

Social/Behavioral Sciences 6 Hours

6 hours with at least 3 at the 200 level

**ECON 201 - Macroeconomics**

Total Credits = Cr. 3  
Lecture = Lec. 3

A study of price and output determination, theories of production, determination of prices in regulated and unregulated industries, functional distribution of income, and international economics.

**ECON 202 - Microeconomics**

Total Credits = Cr. 3  
Lecture = Lec. 3

A study of economics, economic concepts and economic institutions. Emphasizes the operation and function of a market economy while analyzing economic problems related to income, employment, the business cycle, money and banking, growth and development.

Prerequisites: ECON 201

**GEOG 202 - Cultural Geography**

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to the concepts, themes and techniques of cultural geography; topical discussion of religion, politics, language, population, agriculture, urbanization, environmental and social problems.

**GEOG 205 - Physical Geography**

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to the concepts, themes and disciplines of physical geography. Discussion of atmospheric moisture, pressure and temperature, plate tectonics, volcanism, weathering and mass wasting, diastrophism, coastal processes, fluvial processes, global ecosystems and weather systems.
POLI 110 - American Government

Total Credits = Cr. 3
Lecture = Lec. 3;

The principles, institutions, processes and functions of government. Emphasis is on the national government, the development of our constitutional system and the role of the citizen in the democratic process.

PSYC 201 - Introduction To Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

PSYC 225 - Child Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

Physical, intellectual, social and emotional factors in child growth and development.

Prerequisites: PSYC 201.

PSYC 226 - Developmental Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

Physical, psychological, and social aspects of the individual from conception to death. Cultural, social, and hereditary factors that affect the individual’s behavior throughout the life cycle.

Prerequisites: PSYC 201 with a “C” or higher.

PSYC 227 - Adolescent Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

A study of the physical and mental growth of youth during the period of adolescence and the transition from childhood to adulthood.
Prerequisites: PSYC 201 with a “C” or higher.

**SOCL 201 - Introduction To Sociology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

As an introduction to the discipline of sociology, this course surveys and provides students with an understanding of human society and social life. It introduces students to the major subject areas of sociology, including the major theoretical perspectives and theorists; logic and techniques of research; social organization, institutions, and inequality and social change.

**SOCL 202 - Contemporary Social Problems**

Total Credits = Cr. 3  
Lecture = Lec. 3;

A description and sociological analysis of major contemporary social problems in American society. The focus is on both the individual and societal levels (on both social action and social structure) and on the reciprocal relationship between them.

Prerequisites: SOCL 201 with “C” or higher.

**School of Business**

**Business and Technology, A.A.S.**

The Associate of Applied Science in Business and Technology is designed for those students interested in obtaining a degree to enter the work force or continuing at a four-year institution to pursue a bachelor’s degree.

**Program of Study**

**Core Courses**

Students must earn a grade of C or better in all Core Courses.

**ACCT 201 - Intro To Financial Accounting**

Total Credits = Cr. 3
Lecture = Lec. 3

Concepts, techniques and tools of financial accounting, including the principles of collecting, summarizing, and reporting financial data.

**BUSN 101 - Introduction To Business**

Total Credits = Cr. 3  
Lecture = Lec. 3

An introductory course covering a variety of business concepts and applications in the areas of business ownership, economics, ethics, finance, management and marketing.

**BUSN 201 - Principles Of Marketing**

Total Credits = Cr. 3  
Lecture = Lec 3

Marketing functions; institutions, policies and strategies with their business, economic and social implications. Flow of goods and services from planning through production to consumption.

**Prerequisites:** BUSN 101

**BUSN 210 - Principles Of Management**

Total Credits = Cr: 3  
Lecture = Lec: 3

Introduction to fundamental principles of management theory and practice with particular emphasis on developing an understanding of human behavioral and scientific approaches.

**Prerequisites:** BUSN 101

**BUSN 231 - Business Law I**

Total Credits = Cr. 3  
Lecture = Lec. 3

Legal principles and practices in business environment. Involves the nature and sources of law, the judicial system, contractual relationships, the role of contracts in business, agency relationships, employee obligations and ethical and social responsibilities.

**CINS 203 - Spreadsheet Applications**
This course provides a comprehensive presentation of the current version of Microsoft Excel. In addition to introducing Excel, topics include using formulas, functions, and charts; working with large worksheets and tables; converting data to information using Pivot Tables and Pivot Charts; Data analysis; consolidating data and linking files; What-If analysis, forecasting, amortization and validating data; employing templates, themes, web pages and web queries; Prerequisite: Grade of “C” or higher in CINS 101 or successful completion of Competency Exam, or permission of the instructor.

CINS 204 - Word Processing Applications

This course provides a comprehensive presentation of the current version of Microsoft Word. In addition to getting started with Word, topics include editing, formatting, and enhancing documents with tables and graphics; share, compare, and document using workgroups, collaboration, comments and references; advanced features such as wizards, templates, and mail merges; desktop publishing; expert user features such as forms, document protection, and web publishing.

Prerequisites: Grade of “C” or higher in CINS 101 or successful completion of Competency Exam, or permission of the instructor.

CINS 205 - Database Applications

This course provides a comprehensive presentation of the current version of Microsoft Access. In addition to an introduction to Access, topics include relational databases and multi-table queries; how to customize, analyze, and summarize query data to make decisions; create expressions with expression builder; create and work with data aggregates; create, edit and perform calculations in creating professional and useful reports; perform data mining using pivot tables and pivot charts; establish validation methods to help ensure the integrity of data; plan and create forms; perform database maintenance by creating a table query, an append query, a delete query, and an update query.

Prerequisites: Grade of “C” or higher in CINS 101 or successful completion of Competency Exam, or permission of the instructor.

• Core Electives** 9 hrs.

Total: 33 hours

General Education Requirements
ENGL 101 - English Composition I

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

ENGL 102 - English Composition

Total Credits = Cr. 3  
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

Prerequisites: ENGL 101 with a grade of “C” or higher.

MATH 105 - College Algebra (Expanded)

Total Credits = Cr. 5  
Lecture = Lec. 5;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

MATH 110 - College Algebra

Total Credits = Cr. 3  
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

MATH 114 - Business Mathematics

Total Credits = Cr. 3  
Lecture = Lec. 3;
The course is designed to introduce the student to business applications of mathematics such as discounting, percentage, prorating, appreciation/ depreciation, inventory, inventory, commissions, markup, and payroll.

Prerequisites: TH 110 with “C” or higher.

MATH 210 - Introduction To Statistics

Total Credits = Cr.3  
Lecture = Lec. 3;

This course is designed to introduce students to the fundamentals of descriptive and inferential statistics with a pronounced emphasis on inference. The major topics include methods for analyzing sets of data, probability, probability distributions, estimation, confidence intervals, hypotheses testing, simple linear regression, correlation and non-parametric statistics.

Prerequisites: TH 110 with “C” or higher.
- Natural Science 3 hrs.
- Humanities 3 hrs.
- Social/Behavioral Science 3 hrs.

Total: 21 hours

Required Related Courses

CINS 101 - Introduction To Computers

Total Credits = Cr. 3  
Lecture = Lec. 3

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.

ACSE 100 - Academic Seminar

Total Credits = Cr. 1  
Lecture = Lec. 1

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average.
Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.

**BUSN 215 - Business Communication**

Total Credits = Cr.3  
Lecture = Lec.3

Theory and application of communication in the business world. Oral, written and various electronic means of communication will be included and explored.

Total: 7 hours

Total Hours: 60 Credit Hours

Note(s):

- **Core Electives must be approved by the student’s advisor and may be taken from any of the following: ACCT, BUSN, CINS, ECON, or MGT.**

**Associate of Applied Science in Business and Technology**

First Semester

**ACSE 100 - Academic Seminar**

Total Credits = Cr. 1  
Lecture = Lec. 1

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average. Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.

**ENGL 101 - English Composition I**
Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

MATH 105 - College Algebra (Expanded)

Total Credits = Cr. 5
Lecture = Lec. 5;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

MATH 110 - College Algebra

Total Credits = Cr. 3
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

• Natural Science (GER) 3 hrs.
• Humanities (GER) 3 hrs.

CINS 101 - Introduction To Computers

Total Credits = Cr. 3
Lecture = Lec. 3

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.

Total: 16 hours
Second Semester

**ENGL 102 - English Composition**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

**Prerequisites:** ENGL 101 with a grade of “C” or higher.

**BUSN 101 - Introduction To Business**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

An introductory course covering a variety of business concepts and applications in the areas of business ownership, economics, ethics, finance, management and marketing.

**CINS 204 - Word Processing Applications**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course provides a comprehensive presentation of the current version of Microsoft Word. In addition to getting started with Word, topics include editing, formatting, and enhancing documents with tables and graphics; share, compare, and document using workgroups, collaboration, comments and references; advanced features such as wizards, templates, and mail merges; desktop publishing; expert user features such as forms, document protection, and web publishing.

**Prerequisites:** Grade of “C” or higher in CINS 101 or successful completion of Competency Exam, or permission of the instructor.

- Social/Behavioral Science (GER) 3 hrs.

**MATH 114 - Business Mathematics**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

The course is designed to introduce the student to business applications of mathematics such as discounting, percentage, prorating, appreciation/ depreciation, inventory, inventory, commissions, markup, and payroll.

**Prerequisites:** TH 110 with “C” or higher.
MATH 210 - Introduction To Statistics

Total Credits = Cr.3
Lecture = Lec. 3;

This course is designed to introduce students to the fundamentals of descriptive and inferential statistics with a pronounced emphasis on inference. The major topics include methods for analyzing sets of data, probability, probability distributions, estimation, confidence intervals, hypotheses testing, simple linear regression, correlation and non-parametric statistics.

Prerequisites: TH 110 with “C” or higher.

Total: 15 hours

Third Semester

ACCT 201 - Intro To Financial Accounting

Total Credits = Cr. 3
Lecture = Lec. 3

Concepts, techniques and tools of financial accounting, including the principles of collecting, summarizing, and reporting financial data.

BUSN 231 - Business Law I

Total Credits = Cr. 3
Lecture = Lec. 3

Legal principles and practices in business environment. Involves the nature and sources of law, the judicial system, contractual relationships, the role of contracts in business, agency relationships, employee obligations and ethical and social responsibilities.

CINS 205 - Database Applications

Total Credits = Cr. 3
Lecture = Lec. 3

This course provides a comprehensive presentation of the current version of Microsoft Access. In addition to an introduction to Access, topics include relational databases and multi-table queries; how to customize, analyze, and summarize query data to make decisions; create expressions with expression builder; create and work with data aggregates; create, edit and perform
calculations in creating professional and useful reports; perform data mining using pivot tables and pivot charts; establish validation methods to help ensure the integrity of data; plan and create forms; perform database maintenance by creating a table query, an append query, a delete query, and an update query.

**Prerequisites:** Grade of “C” or higher in CINS 101 or successful completion of Competency Exam, or permission of the instructor.

**BUSN 210 - Principles Of Management**

**Total Credits = Cr: 3**
**Lecture = Lec: 3**

Introduction to fundamental principles of management theory and practice with particular emphasis on developing an understanding of human behavioral and scientific approaches.

**Prerequisites:** BUSN 101

- Core Elective 3 hrs.

Total: 15 hours

**Fourth Semester**

**CINS 203 - Spreadsheet Applications**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

This course provides a comprehensive presentation of the current version of Microsoft Excel. In addition to introducing Excel, topics include using formulas, functions, and charts; working with large worksheets and tables; converting data to information using Pivot Tables and Pivot Charts; Data analysis; consolidating data and linking files; What-If analysis, forecasting, amortization and validating data; employing templates, themes, web pages and web queries; Prerequisite: Grade of “C” or higher in CINS 101 or successful completion of Competency Exam, or permission of the instructor.

**BUSN 201 - Principles Of Marketing**

**Total Credits = Cr. 3**
**Lecture = Lec 3**

Marketing functions; institutions, policies and strategies with their business, economic and social implications. Flow of goods and services from planning through production to consumption.
**Prerequisites:** BUSN 101

**BUSN 215 - Business Communication**

**Total Credits = Cr.3**  
Lecture = Lec.3

Theory and application of communication in the business world. Oral, written and various electronic means of communication will be included and explored.
- Core Elective 6 hrs.

Total: 15 hours

Total: 60 Credit Hours

**Note(s):**

- * Students placing in any 095 developmental courses OR two or more developmental courses are required to take Academic Skills Seminar

**Customer Service Technical Competency Area**

This four-course sequence is designed to enhance students’ customer service skills and better prepare them for careers in industries such as business, hospitality, and tourism.

**BUSN 101 - Introduction To Business**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

An introductory course covering a variety of business concepts and applications in the areas of business ownership, economics, ethics, finance, management and marketing.

**BUSN 215 - Business Communication**

**Total Credits = Cr.3**  
Lecture = Lec.3
Theory and application of communication in the business world. Oral, written and various electronic means of communication will be included and explored.

**BUSN 130 - Customer Service For Business Professionals**

Total Credits = Cr. 3  
Lecture = Lec. 3

Training and practice in providing the highest level of customer service for both external and internal customers. Preparation for the National Retail Federation Customer Service Exam will be included.

**CINS 101 - Introduction To Computers**

Total Credits = Cr. 3  
Lecture = Lec. 3

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.

**Business Office Administration, A.A.S.**

**Program Type:** Associate of Applied Science (AAS)  
**Program Length:** 60 credit hours

**Business Office Technology (General Office Concentration)** 45 credit hours/870 clock hours  
**Business Office Technology (Computer Applications Concentration)** 45 credit hours/855 clock hours  
**Business Office Technology (Accounting Concentration)** 45 credit hours/885 clock hours  
**Business Office Technology (Medical Office Concentration)** 45 credit hours/780 clock hours  
**Business Office Technology (Legal Office Concentration)** 45 credit hours/825 clock hours

**Program Description**

This program will prepare individuals for office technology/support positions in both private and public agencies.

**Business Office Administration Course Listing**

**Pre-requisite Courses**

The following courses are Pre-requisite courses for all exit points.

**CPTR 1002 - Computer Literacy And Applications**
This course is an introductory study and application of computer system components and operating system environments. Internet concepts, electronic mail, and core components of word processing, database management, spreadsheets, and presentation software will also be addressed.

**KYBD 1010 - Basic Keyboarding**

This course is an introduction to basic keyboarding terminology and touch typing. Emphasis is placed on speed, accuracy, and correct techniques.

**TCA - General Clerk**

Core Courses for all Concentration Areas

**ORNT 1000 - Freshman Seminar**

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

**CSRV 1000 - Customer Service**

This course is intended to help participants' progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

**Prerequisites**: Consent of Instructor

**BUSE 1030 - Business English**
This course is a concentrated and intensive study of English grammar and usage as applied to business documents and applications.

Prerequisites: Satisfactory completion of all required Developmental Education English/Writing courses.

**KYBD 1111 - Introduction To Formatting**

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;

This course covers continued development and application of introductory to intermediate keyboarding techniques combined with basic word processing techniques and functions. Emphasis is also placed on an increase in speed, accuracy, and correct keyboarding techniques.

Prerequisites: CPTR 1002 AND KYBD 1010

**OSYS 1100 - Records Management**

Total Credits = Cr: 3  
Lecture = Lec: 3;

This course includes basic records management terminology, procedures, classification systems, electronic and manual storage, retrieval, and disposal, compliance with freedom of information laws and Privacy Act.

Total: 13 hrs./ 225 clock hrs.

**General Office Concentration**

The TCA - General Clerk PLUS the following courses comprise the General Office Concentration

**CTS - Office Assistant Specialist**

**ACCT 1100 - Principles Of Accounting Part I**

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1
This course covers fundamental principles of double-entry accounting, with emphasis on journalizing, posting, and the preparation of financial statements; also accounting for cash and work at close of the fiscal period using the cash basis for a service enterprise. Recommend completion of or placement out of developmental coursework.

**BUSM 1050 - Business Math**

**Total Credits = Cr: 3**  
Lecture = Lec: 2 / Laboratory = Lab: 1

A study of various business-related mathematical processes, principles, and techniques used to solve business problems on the electronic calculator.

**Prerequisites:** Satisfactory completion of all required Developmental Education Math courses.

**BUSE 1045 - Business Communication**

**Total Credits = Cr: 3**  
Lecture = Lec: 3

This course is a study of concepts and methods of business communication.

**Prerequisites:** Satisfactory completion of all required Developmental Education English/Writing courses and BUSE 1030 and KYBD 1111

**CPTR 1320 - Spreadsheets**

**Total Credits = Cr: 3**  
Lecture = Lec: 1 / Laboratory = Lab: 2

This course focuses on the basic fundamentals of producing spreadsheets and graphs.

**Prerequisites:** CPTR 1002

**CPTR 1310 - Introduction To Database Management**

**Total Credits = Cr: 3**  
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers basic methods for creating a database, adding, changing and deleting information in a database, printing data in the form of reports, and the printing of address labels.

**Prerequisites:** CPTR 1002
ISYS 1440 - Word Processing

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;

This course provides hands-on experience of word processing techniques and functions with emphasis on features and commands using a current version of word processing software.

Prerequisites: CPTR 1002 AND KYBD 1111

ACCT 1200 - Principles Of Accounting, Part II

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers fundamental accounting principles relating to sales and receipts, purchases and payments, cash, and payroll; accrual accounting for a merchandising business including the periodic summary, adjustments, and end-of-period closing procedures.

Prerequisites: ACCT 1100

Total: 34 hrs./ 690 clock hrs.

TD - Business Office Technology (General Office Concentration)

ISYS 1650 - Desktop Publishing

Total Credits = Cr: 3  
Lecture = Lec: 2; / Laboratory = Lab: 1;

This course includes basic concepts in creating documents containing graphics and text. Current version of popular word processing/graphics software is incorporated.

Prerequisites: ISYS 1550 or discretion of instructor (**ISYS 1550 IS NOT LISTED IN THE NEW BOT CURRICULUM; IT HAS BEEN INCORPORATED INTO THE NEW CLOCK HOURS OF ISYS 1440)

MACH 1350 - Machine Transcription

Total Credits = Cr: 3
This course includes hands-on applications of machine transcription equipment, as well as production of documents (mailable copy) from various fields of employment. Emphasis is on English language skills: punctuation, spelling, grammar, and vocabulary.

**Prerequisites:** ENGL 1030, ISYS 1450 or KYBD 1110 (**ENGL 1030 IS NOW BUSE 1030, ISYS 1450 IS NOW ISYS 1440, KYBD 1110 IS NOW KYBD 1111**)

**OSYS 2530 - Office Procedures**

*Total Credits = Cr: 3*
*Lecture = Lec: 3;*

This course focuses on understanding the role of the office professional in today’s changing office environment. Students learn effective office, human relations, communication, decision-making, and critical thinking skills by completing assignments and live projects. Specific items covered in this course include interpersonal communications, professional presence and success behaviors, stress and time management, work ethics and diversity, current technology, telecommunications, mail and records management, business correspondence, teamwork, meetings and presentations, travel and conference arrangements, and career development.

**Prerequisites:** ENGL 1030, ISYS 1450

**JOBS 2450 - Job Seeking Skills**

*Total Credits = Cr: 2*
*Lecture = Lec: 2; / Laboratory = Lab: 0;*

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

**Prerequisites:** None

Total: 45 hrs./ 870 clock hrs.

**Computer Applications Concentration**

The TCA - General Clerk PLUS the CTS - Office Assistant Specialist PLUS the following courses comprise the Computer Applications Concentration
TD - Business Office Technology (Computer Applications Concentration)

- CPTR 1200 - Introduction to Operating Systems 3 hrs./ 45 clock hrs.
- CPTR 1600 - Presentation Software 3 hrs./ 45 clock hrs.
- CPTR 1400 - Introduction to Networking Technologies 3 hrs./ 45 clock hrs.

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None
- TD - Business Office Technology (Computer Applications Concentration) 45 hrs./ 855 clock hrs.

Total: 45 hrs./ 855 clock hrs.

Accounting Concentration

The TCA - General Clerk PLUS the following courses comprise the Accounting Concentration

CTS - Accounting Office Specialist

ACCT 1100 - Principles Of Accounting Part I

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers fundamental principles of double-entry accounting, with emphasis on journalizing, posting, and the preparation of financial statements; also accounting for cash and work at close of the fiscal period using the cash basis for a service enterprise. Recommend completion of or placement out of developmental coursework.

ACCT 1200 - Principles Of Accounting, Part II
This course covers fundamental accounting principles relating to sales and receipts, purchases and payments, cash, and payroll; accrual accounting for a merchandising business including the periodic summary, adjustments, and end-of-period closing procedures.

Prerequisites: ACCT 1100

**BUSE 1045 - Business Communication**

This course is a study of concepts and methods of business communication.

Prerequisites: Satisfactory completion of all required Developmental Education English/Writing courses and BUSE 1030 and KYBD 1111

**CPTR 1320 - Spreadsheets**

This course focuses on the basic fundamentals of producing spreadsheets and graphs.

Prerequisites: CPTR 1002

**ISYS 1440 - Word Processing**

This course is a study of various business-related mathematical processes, principles, and techniques used to solve business problems on the electronic calculator.

Prerequisites: Satisfactory completion of all required Developmental Education Math courses.
This course provides hands-on experience of word processing techniques and functions with emphasis on features and commands using a current version of word processing software.

Prerequisites: CPTR 1002 AND KYBD 1111

**ACCT 1250 - Payroll Accounting**

Total Credits = Cr: 3  
Lecture = Lec: 3

This course covers accounting principles and procedures relating to payroll accounting, including payroll and personnel records and reports; computation and payment of wages and salaries, social security taxes, income tax withholding; unemployment compensation taxes; and the analysis and recording of payroll transactions.

Prerequisites: ACCT 1200

Total: 34 hrs./ 675 clock hrs.

**TD - Business Office Technology (Accounting Concentration)**

**ACCT 1300 - Intermediate Accounting**

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1

Accounting principles relating to accounts receivable, accounts payable, uncollectible accounts, notes and interest, merchandise inventory, property, plant, and equipment; and accounting for partnerships.

Prerequisites: ACCT 1200

**ACCT 1400 - Advanced Accounting**

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers principles relating to the corporate organization, including accounting for accounting principles and reporting standards. Financial reporting and analyses including cash flow statements, measures of profitability, liquidity, and financial strength, and accounting for departmentalized profit and cost centers is also covered.

Prerequisites: ACCT 1300
ACCT 1500 - Computerized Accounting

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers basic accounting principles utilizing the application of a computerized accounting package which includes setting up the accounting system, recording routine transactions, preparing financial statements, and completing the year-end operations.

Prerequisites: ACCT 1200 **concurrent enrollment in ACCT 1200 is acceptable**

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 45 hrs./ 885 clock hrs.

Medical Office Concentration

The TCA - General Clerk PLUS the following courses comprise the Medical Office Concentration

CTS - Medical Office Specialist

BOTH 1300 - Medical Office Terminology

Total Credits = Cr: 3
Lecture = Lec: 3

This course is an introduction of basic medical terms by use of prefixes, suffixes, and anatomical roots.
BOTH 1120 - General Body Structure

Total Credits = Cr: 3
Lecture = Lec: 3

This course covers identification of the organs and basic functions of the human body and disorders as it relates to each system with medical terminology integrated with each.

BOTH 1210 - Administrative Procedures For Medical Offices

Total Credits = Cr: 3
Lecture = Lec: 3

This course is a discussion of the components of effective client/staff communication, both verbal and nonverbal. Beginning front office activities in a medical office such as scheduling, insurance, billing, using and maintaining office equipment, legal and ethical issues in the medical office, maintaining patient records, and patient/client education methods are covered. Practical application activities are integrated throughout this course.

ACCT 1100 - Principles Of Accounting Part I

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers fundamental principles of double-entry accounting, with emphasis on journalizing, posting, and the preparation of financial statements; also accounting for cash and work at close of the fiscal period using the cash basis for a service enterprise. Recommend completion of or placement out of developmental coursework.

BUSM 1050 - Business Math

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

A study of various business-related mathematical processes, principles, and techniques used to solve business problems on the electronic calculator.

Prerequisites: Satisfactory completion of all required Developmental Education Math courses.

BUSE 1045 - Business Communication

Total Credits = Cr: 3
Lecture = Lec: 3
This course is a study of concepts and methods of business communication.

**Prerequisites:** Satisfactory completion of all required Developmental Education English/Writing courses and BUSE 1030 and KYBD 1111

**BOTH 2110 - Medical Office Transcription**

**Total Credits = Cr: 3**  
Lecture = Lec: 3

This course covers principles of medical transcription along with practical application and usage of medical forms, reports and case studies with integrated medical terminology and medical keyboarding. Students may participate in selected clinical sites as part of this course, if available.

**Prerequisites:** BOTH 1300 and KYBD 1111

Total: 34 hrs./ 585 clock hrs.

**TD - Business Office Technology (Medical Office Concentration)**

**BOTH 1230 - Insurance Billing**

**Total Credits = Cr: 3**  
Lecture = Lec: 3

This course covers discussion of the types of health insurance, insurance claims procedures and instruction in the application of the current version of the International Classification of Diseases, 2001, Revision, Clinical Modification (ICD-9-CM) Classification System and Current Procedural Terminology (CPT). Students may participate in selected clinical sites as part of this course, if available.

**BOTH 1240 - Coding**

**Total Credits = Cr: 3**  
Lecture = Lec: 3

This course covers discussion of the types of health insurance, insurance claims procedures and instruction in the application of the current version of the International Classification of Diseases, 2001, Revision, Clinical Modification (ICD-9-CM) Classification System and Current Procedural Terminology (CPT). Students may participate in selected clinical sites as part of this course, if available.
ACCT 1200 - Principles Of Accounting, Part II

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers fundamental accounting principles relating to sales and receipts, purchases and payments, cash, and payroll; accrual accounting for a merchandising business including the periodic summary, adjustments, and end-of-period closing procedures.

Prerequisites: ACCT 1100

BOTH 1250 - Advanced Coding

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers advanced diagnosis and procedure coding in the application of the current version of the International Classification of Diseases, 2001, Revision, Clinical Modification (ICD-9-CM) Classification System and Current Procedural Terminology (CPT). Students may participate in selected clinical sites as part of this course, if available.

Prerequisites: BOTH 1120, BOTH 1230, and BOTH 1240

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2  
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 45 hrs./ 780 clock hrs.

Additional Exit Points:
TCA - Medical Records/Billing Clerk

**BOTH 1120 - General Body Structure**

Total Credits = Cr: 3  
Lecture = Lec: 3

This course covers identification of the organs and basic functions of the human body and disorders as it relates to each system with medical terminology integrated with each.

**BOTH 1300 - Medical Office Terminology**

Total Credits = Cr: 3  
Lecture = Lec: 3

This course is an introduction of basic medical terms by use of prefixes, suffixes, and anatomical roots.

**BOTH 1230 - Insurance Billing**

Total Credits = Cr: 3  
Lecture = Lec: 3

This course covers discussion of the types of health insurance, insurance claims procedures and instruction in the application of the current version of the International Classification of Diseases, 2001, Revision, Clinical Modification (ICD-9-CM) Classification System and Current Procedural Terminology (CPT). Students may participate in selected clinical sites as part of this course, if available.

**BOTH 1240 - Coding**

Total Credits = Cr: 3  
Lecture = Lec: 3

This course covers discussion of the types of health insurance, insurance claims procedures and instruction in the application of the current version of the International Classification of Diseases, 2001, Revision, Clinical Modification (ICD-9-CM) Classification System and Current Procedural Terminology (CPT). Students may participate in selected clinical sites as part of this course, if available.

**BOTH 1250 - Advanced Coding**

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers advanced diagnosis and procedure coding in the application of the current version of the International Classification of Diseases, 2001, Revision, Clinical Modification (ICD-9-CM) Classification System and Current Procedural Terminology (CPT). Students may participate in selected clinical sites as part of this course, if available.

**Prerequisites:** BOTH 1120, BOTH 1230, and BOTH 1240

Total: 15 hrs./ 255 clock hrs.

CTS - Medical Records/Billing Specialist

**BOTH 1210 - Administrative Procedures For Medical Offices**

Total Credits = Cr: 3
Lecture = Lec: 3

This course is a discussion of the components of effective client/staff communication, both verbal and nonverbal. Beginning front office activities in a medical office such as scheduling, insurance, billing, using and maintaining office equipment, legal and ethical issues in the medical office, maintaining patient records, and patient/client education methods are covered. Practical application activities are integrated throughout this course.

**OSYS 1100 - Records Management**

Total Credits = Cr: 3
Lecture = Lec: 3;

This course includes basic records management terminology, procedures, classification systems, electronic and manual storage, retrieval, and disposal, compliance with freedom of information laws and Privacy Act.

**BOTH 2110 - Medical Office Transcription**

Total Credits = Cr: 3
Lecture = Lec: 3

This course covers principles of medical transcription along with practical application and usage of medical forms, reports and case studies with integrated medical terminology and medical keyboarding. Students may participate in selected clinical sites as part of this course, if available.

**Prerequisites:** BOTH 1300 and KYBD 1111
Legal Office Concentration

The TCA - General Clerk PLUS the following courses comprise the Legal Office Concentration

CTS - Legal Office Specialist

ACCT 1100 - Principles Of Accounting Part I

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers fundamental principles of double-entry accounting, with emphasis on journalizing, posting, and the preparation of financial statements; also accounting for cash and work at close of the fiscal period using the cash basis for a service enterprise. Recommend completion of or placement out of developmental coursework.

ACCT 1200 - Principles Of Accounting, Part II

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers fundamental accounting principles relating to sales and receipts, purchases and payments, cash, and payroll; accrual accounting for a merchandising business including the periodic summary, adjustments, and end-of-period closing procedures.

Prerequisites: ACCT 1100

BUSM 1050 - Business Math

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

A study of various business-related mathematical processes, principles, and techniques used to solve business problems on the electronic calculator.

Prerequisites: Satisfactory completion of all required Developmental Education Math courses.
  * BUSI 1000 - Business Law 3 hrs./ 45 clock hrs.
BUSE 1045 - Business Communication

Total Credits = Cr: 3  
Lecture = Lec: 3

This course is a study of concepts and methods of business communication.

Prerequisites: Satisfactory completion of all required Developmental Education English/Writing courses and BUSE 1030 and KYBD 1111
  - BOTL 1300 - Legal Terminology 3 hrs./ 45 clock hrs.
  - BOTL 2110 - Legal Terminology 3 hrs./ 45 clock hrs.

Total: 34 hrs./ 615 clock hrs.

TD - Business Office Technology (Legal Office Concentration)

CPTR 1320 - Spreadsheets

Total Credits = Cr: 3  
Lecture = Lec: 1 / Laboratory = Lab: 2

This course focuses on the basic fundamentals of producing spreadsheets and graphs.

Prerequisites: CPTR 1002

ACCT 1500 - Computerized Accounting

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers basic accounting principles utilizing the application of a computerized accounting package which includes setting up the accounting system, recording routine transactions, preparing financial statements, and completing the year-end operations.

Prerequisites: ACCT 1200 **concurrent enrollment in ACCT 1200 is acceptable**

BOTH 1210 - Administrative Procedures For Medical Offices

Total Credits = Cr: 3
This course is a discussion of the components of effective client/staff communication, both verbal and nonverbal. Beginning front office activities in a medical office such as scheduling, insurance, billing, using and maintaining office equipment, legal and ethical issues in the medical office, maintaining patient records, and patient/client education methods are covered. Practical application activities are integrated throughout this course.

**JOBS 2450 - Job Seeking Skills**

**Total Credits = Cr: 2**  
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

**Prerequisites:** None

Total: 45 hrs./ 825 clock hrs.

**Additional Exit Points:**

TCA - Call Center Representative

**ORNT 1000 - Freshman Seminar**

**Total Credits = Cr. 1**  
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.
BUSE 1030 - Business English

Total Credits = Cr: 3
Lecture = Lec: 3

This course is a concentrated and intensive study of English grammar and usage as applied to business documents and applications.

**Prerequisites:** Satisfactory completion of all required Developmental Education English/Writing courses.

BUSE 1045 - Business Communication

Total Credits = Cr: 3
Lecture = Lec: 3

This course is a study of concepts and methods of business communication.

**Prerequisites:** Satisfactory completion of all required Developmental Education English/Writing courses and BUSE 1030 and KYBD 1111

CSRV 1000 - Customer Service

Total Credits = Cr: 3
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

**Prerequisites:** Consent of Instructor
- CCRV 1000 - Telephone Sales & Skills 3 hrs./ 45 clock hrs.
- CCRV 1100 - Call Center Procedures 3 hrs./ 45 clock hrs.

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.
Prerequisites: None

Total: 18 hrs./ 270 clock hrs.

TCA - Human Resource Specialist

ORNT 1000 - Freshman Seminar

Total Credits = Cr. 1
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

KYBD 1111 - Introduction To Formatting

Total Credits = Cr: 3
Lecture = Lec: 1; / Laboratory = Lab: 2;

This course covers continued development and application of introductory to intermediate keyboarding techniques combined with basic word processing techniques and functions. Emphasis is also placed on an increase in speed, accuracy, and correct keyboarding techniques.

Prerequisites: CPTR 1002 AND KYBD 1010
- HURM 1000 - Employment Law & Regulations 3 hrs./ 45 clock hrs
- HURM 1200 - Recruiting, Selecting & Personnel Planning 3 hrs./ 45 clock hrs.
- HURM 1300 - Compensation & Benefits 3 hrs./ 45 clock hrs.

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information
essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

**Prerequisites:** None

Total: 18 hrs./ 300 clock hrs.

**TCA - Bank Teller**

**ORNT 1000 - Freshman Seminar**

Total Credits = Cr. 1  
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

**BUSM 1050 - Business Math**

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1

A study of various business-related mathematical processes, principles, and techniques used to solve business problems on the electronic calculator.

**Prerequisites:** Satisfactory completion of all required Developmental Education Math courses.
- BTEL 1000 - Bank Teller Procedures 3 hrs./ 45 clock hrs.

**CSRV 1000 - Customer Service**

Total Credits = Cr: 3  
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.
Prerequisites: Consent of Instructor

ACCT 1100 - Principles Of Accounting Part I

Total Credits = Cr: 3
Lecture = Lec: 2; / Laboratory = Lab: 1

This course covers fundamental principles of double-entry accounting, with emphasis on journalizing, posting, and the preparation of financial statements; also accounting for cash and work at close of the fiscal period using the cash basis for a service enterprise. Recommend completion of or placement out of developmental coursework.

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 15 hrs./ 270 clock hrs.

AAS - Business Office Administration

Any TD concentration PLUS the following courses

ENGL 1015 - English Composition I

Total Credits = Cr: 3
Lecture = Lec: 3

The study of the basic rhetorical modes of English composition with emphasis on prewriting, writing, and revising techniques utilizing correct English grammar, usage, and punctuation. Prerequisites: English score of at least 20 on the Enhanced ACT, successful completion of Developmental English, or permission of the campus CAO.
**MATH 1015 - College Algebra**

Total Credits = Cr: 3  
Lecture = Lec: 3;

Linear and quadratic equations and inequalities, radical and rational equations, complex numbers, graphing, functions, exponential and logarithmic functions, polynomial equations, systems of linear equations and inequalities.

Prerequisites: Math score of at least 21 on the Enhanced ACT, successful completion of Developmental Math, or permission of the campus CAO.

**PSYC 2015 - Introduction To Psychology**

Total Credits = Cr: 3  
Lecture = Lec: 3;

An overview of psychology designed to expose students to the major theories, research practices, and applied areas of psychology.

**PHSC 1015 - Physical Science I**

Total Credits = Cr: 3  
Lecture = Lec: 3;

Introductory study of topics in physical science including motion, energy, temperature, light and sound, electricity, and atomic structure.

**SPCH 1015 - Introduction To Public Speaking**

Total Credits = Cr: 3  
Lecture = Lec: 3;

Designed to teach students basic public presentation principles and skills. Students complete one speech each of personal introduction, information, persuasion, demonstration, and special occasion (influential person).

Total: 60 hrs./ 1,095 clock hrs.

**May Be Substituted:**

With approval from the Chief Academic Officer/designee, the following courses may be substituted for course requirements.
Direct Support Professionals, T.C.A.

Louisiana Delta Community College offers a Technical Competency Area (TCA) for Direct Support Professionals (DSP). The DSP provides guidance and support to persons with disabilities who need help to be self-sufficient and to participate fully in family, work, community and social life. DSPs are found in many different work settings and have a variety of job titles including personal care assistant, supported living companion, respite care worker, and job coach/employment specialist.

Direct Support Professionals Program of Study

HSCI 101 - First Aid & CPR/AED

Total Credits = Cr. 3
Lecture = Lec. 2 / Laboratory = Lab 1

A comprehensive first aid course with CPR and AED (Automated External Defibrillator) designed for health care providers. The course is a traditional lecture with hands-on practical experience. The CPR/AED portion will be video-based. Participants may receive certification through American Heart Association. Course also includes presentation of topics on blood borne pathogens, protective equipment, fire/chemical/radiation safety, and confidentiality issues.

HEHS 101 - Intro Direct Support Profession

Total Credits = Cr. 3
Lecture = Lec. 3

Course includes the history of disability movement, legislative history, values and philosophy, Louisiana’s service system, professional knowledge and behavior. This course will enhance professional awareness and knowledge of issues related to the Direct Support Profession.

HEHS 102 - Fundamentals Of Communication & Advocacy

Total Credits = Cr. 3
Lecture = Lec. 3

includes communication devices, problem solving, NADSP Code of Ethics, professional terms and acronyms, communication devices, communicating with families, overview of developmental disabilities.
HEHS 103 - Teaching People With Disabilities

Total Credits = Cr. 3  
Lecture = Lec. 3

Course covers teaching modalities to enhance the learning process for people with developmental disabilities. Topics include self determination, team process, consumer assessment, systematic skill instruction, developing functional goals and objectives, prompting hierarchy, least intrusive prompts, graduated guidance, time delay, positive reinforcement, increasing productivity, developing adaptations, assistive technology, positive behavioral supports, and data collection.

HEHS 104 - Developing, Implementing, & Evaluating Individualized Supports

Total Credits = Cr. 3  
Lecture = Lec. 3

Covers teaching modalities to enhance the learning process for people with developmental disabilities. Topics include principles of person-centered planning, person-centered approaches and outcomes, person-centered values and philosophies, comparison of person- centered supports vs. system-centered services, mapping process, meeting process, DSP roles, individualized supports, individualized service plans, writing goals and objectives, functional application of person- centered information, and individualized person-centered documentation.

HSCI 104 - Basic Care Skills

Total Credits = Cr. 1  
Lecture = Lec. 1 / Laboratory = Lab 1

This course is an introduction to basic care principles and skills. The course includes lectures and skills lab in proper body mechanics, lifting, moving, positioning; measuring vital signs, height, weight and performing various documentation procedures.

•  HEHS 228 - Health/Human Services Practicum 3 hrs.

Total Hours: 19 Credit Hours

Information and Communication: Computer/Networking Support, A.A.S.

Program Type: Associate of Applied Science (AAS)  
Program Length: AAS = 75 Credit Hours/1440 Clock Hours

Program Description
This program is divided into a basic core area and a specialty computer/networking area. The basic core courses of study will prepare individuals to troubleshoot, repair, and maintain computer systems and basic local area network problems. Students will also learn to operate a computer using current operating system software and use current application software for manipulating spreadsheets, databases, and word processing documents.

The specialty computer/networking area will prepare students to support end users and to successfully troubleshoot operating systems, user desktop environments, and/or local area and wide area networks. Electives are available to prepare students to assess the security needs of computer and network systems, recommend safeguard solutions, and manage the implementation and maintenance of security devices, systems, and procedures. Additional electives are provided to prepare students to manage computer operations and control the system configurations emanating from a specific site or network hub as well as low-level programming languages. The curriculum also includes instruction in computer hardware and software applications; local area (LAN) and wide area (WAN) networking.

The curriculum provides both knowledge acquisition and skills development for those who are currently working in the information technology field and would like to obtain industry-based certifications or for those who would like to prepare for employment in this field. The program is designed to prepare students to successfully pass national, industry-based exams such as: IC3, CompTIA’s A+, Network+, Server+, HTI+, iNet+, and Security+; Cisco System’s Cisco Certified Network Associate (CCNA), Cisco Certified Network Design (CCDA), and Cisco Certified Network Professional (CCNP); Microsoft’s Certified Desktop Technician (MCDST); as well as security certifications such as Security Certified Network Professional (SCNP) and Security Certified Network Architect (SCNA) where available.

Info Comm Technology: Computer/Networking Support Course Listing

**TCA - CIP 111001 - Computer Operator**

**ORNT 1000 - Freshman Seminar**

Total Credits = Cr. 1  
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

**CPTR 1010 - IC3**

Total Credits = Cr. 4  
Lecture = Lec: 2 / Laboratory = Lab: 2

IC3–The Digital Literacy Certification courseware provides skills training and assessment for a broad range of computing concepts and techniques, including competency in computer hardware and software, operating systems, word processing and
spreadsheet functions, networks and the Internet, electronic mail, and an understanding of the impact of computing and the Internet in society. The courseware is divided into three modules corresponding to the three exams that form the IC3 certification.

- KYBD 1000 - Basic Keyboarding 2 hrs./ 45 clock hrs.

**INCT 1100 - Installation & Troubleshooting, Part I**

**Total Credits = Cr: 3**  
Lecture = Lec: 1; / Laboratory = Lab: 2;

A hands-on intensive study involving PC hardware and software that prepares students for an industry-based certification such as the A+ examination. PC hardware includes installation of motherboards, various drives, and adapter cards. Software includes installation of operating systems, various applications, and communication software and their proper configuration. Provides a systematic approach towards PC diagnostics and troubleshooting through the use of practical industry standards diagnostic software.

Total: 10 hrs./ 225 clock hrs.

**CTS - CIP 111001 - Computer System Technician**

**INCT 1110 - Installation & Troubleshooting, Part II**

**Total Credits = Cr: 3**  
Lecture = Lec: 1; / Laboratory = Lab: 2;

A hands-on advanced study involving PC hardware and software that prepares students for an industry-based certification such as the A+ examination. PC hardware includes installation of motherboards, various drives, and adapter cards. Software includes installation of operating systems, various applications, and communication software and their proper configuration. Provides a systematic approach towards PC diagnostics and troubleshooting through the use of practical industry standards diagnostic software.

**INCT 1200 - Operating Systems**

**Total Credits = Cr: 4**  
Lecture = Lec: 2; / Laboratory = Lab: 2;

A hands-on study of operating systems which prepares students for an industry-based certification such as the MCP examination. The course includes the installation and administration of a network operating system as well as troubleshooting and optimizing techniques.

- INCT 1210 - Introduction to Programming 3 hrs./ 75 clock hrs.
INCT 2110 - Networking Technologies

Total Credits = Cr: 4
Lecture = Lec: 2; / Laboratory = Lab: 2;

A hands-on study of networking technologies, which includes the planning, implementation, and administration of networks. The course also includes troubleshooting and security related issues.

- ICT Elective 3 hrs./ 75 clock hrs.

Total: 27 hrs./ 630 clock hrs.

Total ICT Core

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 29 hrs./ 660 clock hrs.

TD - ICT Computer/Networking Support

INCT 1800 - Introduction To Unix/linux

Total Credits = Cr: 3
Lecture = Lec: 1; / Laboratory = Lab: 2;
A hands-on study of the Unix or Linux operating system which includes installation of the operating system, administration and configuration of the system, and troubleshooting techniques involved in maintaining the system.

- INCT 2902 - Internship 2 hrs./ 90 clock hrs.
- ICT Electives 26 hrs./ 390 clock hrs.

Total: 60 hrs./1215 clock hrs.

**AAS - ICT Computer/Networking Support**

Transferable General Education Courses Required for AAS

**ENGL 1015 - English Composition I**

Total Credits = Cr: 3  
Lecture = Lec: 3

The study of the basic rhetorical modes of English composition with emphasis on prewriting, writing, and revising techniques utilizing correct English grammar, usage, and punctuation. Prerequisites: English score of at least 20 on the Enhanced ACT, successful completion of Developmental English, or permission of the campus CAO.

**MATH 1015 - College Algebra**

Total Credits = Cr: 3  
Lecture = Lec: 3;

Linear and quadratic equations and inequalities, radical and rational equations, complex numbers, graphing, functions, exponential and logarithmic functions, polynomial equations, systems of linear equations and inequalities.

Prerequisites: Math score of at least 21 on the Enhanced ACT, successful completion of Developmental Math, or permission of the campus CAO

**PSYC 2015 - Introduction To Psychology**

Total Credits = Cr: 3  
Lecture = Lec: 3;

An overview of psychology designed to expose students to the major theories, research practices, and applied areas of psychology.

**PHSC 1015 - Physical Science I**
Total Credits = Cr: 3
Lecture = Lec: 3;

Introductory study of topics in physical science including motion, energy, temperature, light and sound, electricity, and atomic structure.

**SPCH 1015 - Introduction To Public Speaking**

Total Credits = Cr: 3
Lecture = Lec: 3;

Designed to teach students basic public presentation principles and skills. Students complete one speech each of personal introduction, information, persuasion, demonstration, and special occasion (influential person).

Total: 75 hrs./ 1440 clock hrs.

ICT Computer Support Electives:

**ACCT 1100 - Principles Of Accounting Part I**

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers fundamental principles of double-entry accounting, with emphasis on journalizing, posting, and the preparation of financial statements; also accounting for cash and work at close of the fiscal period using the cash basis for a service enterprise. Recommend completion of or placement out of developmental coursework.

**ACCT 1500 - Computerized Accounting**

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers basic accounting principles utilizing the application of a computerized accounting package which includes setting up the accounting system, recording routine transactions, preparing financial statements, and completing the year-end operations.

**Prerequisites:** ACCT 1200 **concurrent enrollment in ACCT 1200 is acceptable**

**INCT 1320 - Introduction To Database Development**
The student will develop an understanding of database systems and database structure. The Structured Query Language (SQL) will be used to manipulate database records. A report generator will be used to produce reports.

- INCT 2261 - Desktop Support 4 hrs./ 90 clock hrs.
- CPTR 2640 - Advanced Spreadsheet Applications 3 hrs./ 60 clock hrs.
- INCT 2650 - Advanced Database Development 3 hrs./ 75 clock hrs.
- CPTR 2650 - Advanced Database Application 3 hrs./ 60 clock hrs.
- CPTR 1860 - Programming Language I 3 hrs./ 75 clock hrs.
- CPTR 2860 - Programming Language II 3 hrs./ 75 clock hrs.

ICT Security Electives:

INCT 2040 - Designing Security For A Client/Server Network

This course is designed to provide students with the knowledge and skills to design a secure network infrastructure. Topics include assembling the design team, modeling threats, and analyzing security risks in order to meet business requirements for securing computers in a networked environment. This course provides the skills and knowledge to prepare for Microsoft Certified Professional Exam 70-298.

INCT 2120 - Introduction To Basic Routers

This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction includes, but is not limited to, the Open System Interconnection (OSI) Reference Model, local area networks (LANs), wide area networks (WANs), transmission control protocol/Internet protocol (TCP/IP) addressing, routers, router configuration, routing and routing protocols, internet work open system (IOS) images and network troubleshooting. Particular emphasis is given to understanding the nature of and component of networks that make up LANs, WANs and the Internet. Students will become familiar with the use of command protocols that are used when configuring networks and will learn how to troubleshoot a 5-router topology.

INCT 2545 - Network Security: Ethical Hacking

This course is designed to provide students with the knowledge and skills to design a secure network infrastructure. Topics include assembling the design team, modeling threats, and analyzing security risks in order to meet business requirements for securing computers in a networked environment. This course provides the skills and knowledge to prepare for Microsoft Certified Professional Exam 70-298.
This class will immerse the student into an interactive environment where they will be shown how to scan, test and secure their own systems. The lab intensive environment gives each student in-depth knowledge and practical experience with the current essential security systems. Students will begin by understanding how perimeter defenses work and then be lead into scanning and attacking their own networks, no real network is harmed. Students then learn how intruders escalate privileges and what steps can be taken to secure a system.

**INCT 2840 - Managing Network Security**

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;  

This course is intended to serve the needs of individuals interested in understanding the field of network security and how the field relates to other areas of information technology. Individuals will study, design, configure, and implement solutions that will reduce the risk of revenue lost and vulnerability.

**INCT 2855 - Firewall Technology**

Total Credits = Cr: 7  
Lecture = Lec: 1; / Laboratory = Lab: 6;  

Provides students with an understanding of firewalls and how the devices relate to other areas of information technology. Individuals will study, configure, and implement solutions using firewalls.

**INCT 2860 - Wireless Technologies**

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;  

This course will focus on the design, planning, implementation, operation, and troubleshooting of wireless networks. It will provide an overview of technologies, security and design best practices with particular emphasis on hands-on skills in wireless LAN setup and troubleshooting, site surveys, resilient WLAN design, installation, and configuration.

**ICT Network Architecture Electives:**

**INCT 2120 - Introduction To Basic Routers**

Total Credits = Cr: 4  
Lecture = Lec: 2; / Laboratory = Lab: 2;  

This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A
task analysis of current industry standards and occupational analysis was used to develop the content. Instruction includes, but is not limited to, the Open System Interconnection (OSI) Reference Model, local area networks (LANs), wide area networks (WANs), transmission control protocol/Internet protocol (TCP/IP) addressing, routers, router configuration, routing and routing protocols, internet work open system (IOS) images and network troubleshooting. Particular emphasis is given to understanding the nature of and component of networks that make up LANs, WANs and the Internet. Students will become familiar with the use of command protocols that are used when configuring networks and will learn how to troubleshoot a 5-router topology.

INCT 2130 - Intermediate Routing And Switching

Total Credits = Cr: 4
Lecture = Lec: 2 / Laboratory = Lab: 2

This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction, includes, but is not limited to: a review of the Open System Interconnection (OSI) Reference Model, a study of the OSI layer functions, local area network (LAN) switching, Ethernet and virtual LANS (VLANs), LAN design, interior gateway routing protocol (IGRP), access control lists (ACLs), Novell Internet Packet Exchange (IPX), and network management. Particular emphasis is given to students being able to demonstrate the ability to apply learnings from Semesters 1 and 2 to a network and to be able to explain how and why a particular strategy is employed. In addition, the student will learn appropriate methodologies for managing networks, with emphasis placed on clear and adequate documentation of the Network.

INCT 2140 - Wide Area Network Protocols

Total Credits = Cr: 4
Lecture = Lec: 2 / Laboratory = Lab: 2

This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction, includes, but is not limited to: a review of the Open System Interconnection (OSI) Reference Model, a study of the OSI layer functions, local area network (LAN) switching, Ethernet and virtual LANS (VLANs), LAN design, interior gateway routing protocol (IGRP), access control lists (ACLs), Novell Internet Packet Exchange (IPX), and network management. Particular emphasis is given to students being able to demonstrate the ability to apply learnings from Semesters 1 and 2 to a network and to be able to explain how and why a particular strategy is employed. In addition, the student will learn appropriate methodologies for managing networks, with emphasis placed on clear and adequate documentation of the Network.

• INCT 2150 - Advanced Routing 3 hrs./ 75 clock hrs.
• INCT 2160 - Remote Access 3 hrs./ 75 clock hrs.
• INCT 2170 - Multilayer Switching 3 hrs./ 75 clock hrs.

ICT Electives:

INCT 1120 - Installation & Troubleshooting Lab
This course is an intensive, hands-on laboratory designed to provide students with additional experience in installing, configuring, troubleshooting & problem resolution of IBM compatibles and peripherals.

**INCT 1250 - Project Management**

**Total Credits = Cr: 3**  
Lecture = Lec: 1; / Laboratory = Lab: 2;

Provides the foundation for understanding the broad concepts of successful planning, organization, and implementation within the realm of software development, enhancement, and reconfiguration. Uses real-world examples and identifies common mistakes and pitfalls. Topics covered include project management software, estimating, budgeting, scheduling, tracking, and controlling.

**INCT 1300 - Internet Applications**

**Total Credits = Cr: 3**  
Lecture = Lec: 1; / Laboratory = Lab: 2;

A comprehensive study of Internet concepts, terminology, connection practices, researching on, designing for and publishing on the Internet, as well as a brief study of the programming basics behind the creation of Web Pages using HTML and Dynamic HTML.

**INCT 1330 - Introduction To Networking**

**Total Credits = Cr:3**  
Lecture = Lec: 2; / Laboratory = Lab: 1;

Introduction to Networking is a foundation networking course that will cover the following topics: media and topologies, protocols and standards, network implementation, and network support. The course maps to CompTIA’s Network+ certification exam.

- INCT 1900 - Web Page Design 3 hrs./ 75 clock hrs.

**INCT 2010 - Introduction To Client/Server Networking**

**Total Credits = Cr: 4**  
Lecture = Lec: 2; / Laboratory = Lab: 2;

This course is designed to provide students with the knowledge and skills that are required to manage accounts and resources, maintain server resources, monitor server performance, and safeguard data in a Microsoft Windows Server™ 2003 environment. This course provides the skills and knowledge to prepare for Microsoft Certified Professional Exam 70-290.
- INCT 2180 - Designing Networks 3 hrs./ 75 clock hrs.
- INCT 2190 - Internetwork Support 3 hrs./ 75 clock hrs.

**INCT 2820 - Server Technology**

**Total Credits = Cr: 3**  
Lecture = Lec: 1; / Laboratory = Lab: 2;

The Server Hardware Specialist is expected to have an in-depth understanding of the planning, installing, configuring, and maintaining servers, including knowledge of server-level hardware implementations, data storage subsystems, data recovery, and I/O subsystems. This specialist should know the interrelationships of all parts of the server system and understand the ramifications of their actions. This course provides the skills and knowledge to prepare the students for Server+ CompTIA certification.

**INCT 2830 - Cabling Infrastructure**

**Total Credits = Cr: 3**  
Lecture = Lec: 1; / Laboratory = Lab: 2;

This course is designed for students interested in the physical aspects of voice and data network cabling and installation. The course focuses on cabling issues related to data and voice connections and provides an understanding of the industry and its worldwide standards, types of media and cabling, physical and logical networks, as well as signal transmission. Students will develop skills in reading network design documentation, part list set up and purchase, pulling and mounting cable, cable management, choosing wiring closets and patch panel installation and termination as well as installing jacks and cable testing. This hands-on, lab-oriented course stresses documentation, design, and installation issues, as well as laboratory safety, on-the-job safety, and working effectively in group environments. This course will help prepare students for the BICSI Registered Certified Installer, Level 1.

**INCT 2850 - Emerging Technologies**

**Total Credits = Cr: 3**  
Lecture = Lec: 3;

The goal of this course is to teach students the newest technological advances using hands-on demonstrations and lecture.

**INCT 2890 - Entrepreneurial Venture**

**Total Credits = Cr: 3**  
Lecture = Lec: 3;

Students enrolled in this course will explore the concepts of business planning, entrepreneurship and develop a business plan. They will explore whether their business concept meets their personal vision and goals; learn strategies to successfully market their business; understand how to price their new product or service; and learn how to develop sound financial statements and access capital. Students will apply the knowledge they learn to develop a business plan as they progress through the course.
- INCT 2910 - Home Technology Integrator 3 hrs./ 75 clock hrs.
- INCT 2920 - Network Defense and Countermeasures 3 hrs./ 75 clock hrs.
- INCT 2925 - Hardening the Network Infrastructure 3 hrs./ 75 clock hrs.
- INCT 2930 - Enterprise Security Implementation 3 hrs./ 75 clock hrs.
- INCT 2935 - Advanced Security Implementation 3 hrs./ 75 clock hrs.
- INCT 1391 - Procedural Programming Language I 7 hrs./ 195 clock hrs.
- INCT 1451 - Basic Programming I 7 hrs./ 195 clock hrs.
- INCT 1461 - C++ Programming I 7 hrs./ 195 clock hrs.
- INCT 1470 - CL Programming 3 hrs./ 75 clock hrs.
- INCT 1491 - RPG Programming I 7 hrs./ 195 clock hrs.
- INCT 1500 - Internet Programming Language I 3 hrs./ 75 clock hrs.
- INCT 1801 - Java Programming I 7 hrs./ 195 clock hrs.
- INCT 2500 - Internet Programming Language II 3 hrs./ 75 clock hrs.

May Not Be Substituted:

The following courses may not be substituted for the above course requirements.

**INCT 2991 - Special Projects, I**

**Total Credits = Cr: 1**  
/ Laboratory = Lab: 1;

A course designed for the student who has demonstrated specific special needs.

**INCT 2993 - Special Projects, II**

**Total Credits = Cr: 2**  
/ Laboratory = Lab: 2;

A course designed for the student who has demonstrated specific special needs.

**INCT 2995 - Special Projects, III**

**Total Credits = Cr: 3**  
/ Laboratory = Lab: 3;

A course designed for the student who has demonstrated specific special needs.

**INCT 2996 - Special Projects, IV**

**Total Credits = Cr: 3**
Lecture = Lec: 3;

A course designed for the student who has demonstrated specific special needs.

**INCT 2997 - Practicum**

Total Credits = Cr: 3
/ Laboratory = Lab: 3:

A course designed for the student who has demonstrated specific special needs.

**INCT 2999 - Cooperative Education**

Total Credits = Cr: 3
/ Laboratory = Lab: 3;

Cooperative Education provides supervised on-the-job work experience related to the student’s educational objectives. Students participating in Cooperative Education receive compensation for their work.

**Non-Major Electives:**

**CPTR 1000 - Introduction To Computers**

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introductory study of computer system components, operating system environments. Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

**Prerequisites:** None

**Optional Elective:**

**CSRV 1000 - Customer Service**

Total Credits = Cr: 3
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal
customers as well as their external customers in the workplace.

**Prerequisites:** Consent of Instructor

Below are Certificate Exit Levels:

**CTS - CIP 111001 - LAN Administrator**

**INCT 1100 - Installation & Troubleshooting, Part I**

- **Total Credits = Cr: 3**
- **Lecture = Lec: 1; Laboratory = Lab: 2;**

A hands-on intensive study involving PC hardware and software that prepares students for an industry-based certification such as the A+ examination. PC hardware includes installation of motherboards, various drives, and adapter cards. Software includes installation of operating systems, various applications, and communication software and their proper configuration. Provides a systematic approach towards PC diagnostics and troubleshooting through the use of practical industry standards diagnostic software.

**INCT 1110 - Installation & Troubleshooting, Part II**

- **Total Credits = Cr: 3**
- **Lecture = Lec: 1; Laboratory = Lab: 2;**

A hands-on advanced study involving PC hardware and software that prepares students for an industry-based certification such as the A+ examination. PC hardware includes installation of motherboards, various drives, and adapter cards. Software includes installation of operating systems, various applications, and communication software and their proper configuration. Provides a systematic approach towards PC diagnostics and troubleshooting through the use of practical industry standards diagnostic software.

**CPTR 1010 - IC3**

- **Total Credits = Cr: 4**
- **Lecture = Lec: 2; Laboratory = Lab: 2**

IC3–The Digital Literacy Certification courseware provides skills training and assessment for a broad range of computing concepts and techniques, including competency in computer hardware and software, operating systems, word processing and spreadsheet functions, networks and the Internet, electronic mail, and an understanding of the impact of computing and the Internet in society. The courseware is divided into three modules corresponding to the three exams that form the IC3 certification.

- **KYBD 1000 - Basic Keyboarding 2 hrs. / 45 clock hrs.**
INCT 2110 - Networking Technologies

Total Credits = Cr: 4
Lecture = Lec: 2; / Laboratory = Lab: 2;

A hands-on study of networking technologies, which includes the planning, implementation, and administration of networks. The course also includes troubleshooting and security related issues.

INCT 1200 - Operating Systems

Total Credits = Cr: 4
Lecture = Lec: 2; / Laboratory = Lab: 2;

A hands-on study of operating systems which prepares students for an industry-based certification such as the MCP examination. The course includes the installation and administration of a network operating system as well as troubleshooting and optimizing techniques.

INCT 2120 - Introduction To Basic Routers

Total Credits = Cr: 4
Lecture = Lec: 2; / Laboratory = Lab: 2;

This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction includes, but is not limited to, the Open System Interconnection (OSI) Reference Model, local area networks (LANs), wide area networks (WANs), transmission control protocol/Internet protocol (TCP/IP) addressing, routers, router configuration, routing and routing protocols, internet work open system (IOS) images and network troubleshooting. Particular emphasis is given to understanding the nature of and component of networks that make up LANs, WANs and the Internet. Students will become familiar with the use of command protocols that are used when configuring networks and will learn how to troubleshoot a 5-router topology.

• ICT Elective 3 hrs./ 75 clock hrs.

Total: 27 hrs./ 630 clock hrs.

CTS - CIP 111001 - Network Security Technician

INCT 1100 - Installation & Troubleshooting, Part I

Total Credits = Cr: 3
A hands-on intensive study involving PC hardware and software that prepares students for an industry-based certification such as the A+ examination. PC hardware includes installation of motherboards, various drives, and adapter cards. Software includes installation of operating systems, various applications, and communication software and their proper configuration. Provides a systematic approach towards PC diagnostics and troubleshooting through the use of practical industry standards diagnostic software.

**INCT 1110 - Installation & Troubleshooting, Part II**

Total Credits = Cr:3  
Lecture = Lec:1; / Laboratory = Lab: 2;  
A hands-on advanced study involving PC hardware and software that prepares students for an industry-based certification such as the A+ examination. PC hardware includes installation of motherboards, various drives, and adapter cards. Software includes installation of operating systems, various applications, and communication software and their proper configuration. Provides a systematic approach towards PC diagnostics and troubleshooting through the use of practical industry standards diagnostic software.

**CPTR 1010 - IC3**

Total Credits = Cr: 4  
Lecture = Lec: 2 / Laboratory = Lab: 2

IC3–The Digital Literacy Certification courseware provides skills training and assessment for a broad range of computing concepts and techniques, including competency in computer hardware and software, operating systems, word processing and spreadsheet functions, networks and the Internet, electronic mail, and an understanding of the impact of computing and the Internet in society. The courseware is divided into three modules corresponding to the three exams that form the IC3 certification.

- KYBD 1000 - Basic Keyboarding 2 hrs./ 45 clock hrs.

**INCT 1200 - Operating Systems**

Total Credits = Cr: 4  
Lecture = Lec: 2; / Laboratory = Lab: 2;  
A hands-on study of operating systems which prepares students for an industry-based certification such as the MCP examination. The course includes the installation and administration of a network operating system as well as troubleshooting and optimizing techniques.

**INCT 2110 - Networking Technologies**

Total Credits = Cr: 4  
Lecture = Lec: 2; / Laboratory = Lab: 2;
A hands-on study of networking technologies, which includes the planning, implementation, and administration of networks. The course also includes troubleshooting and security related issues.

**INCT 2120 - Introduction To Basic Routers**

**Total Credits = Cr: 4**  
Lecture = Lec: 2; / Laboratory = Lab: 2;

This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction includes, but is not limited to, the Open System Interconnection (OSI) Reference Model, local area networks (LANs), wide area networks (WANs), transmission control protocol/Internet protocol (TCP/IP) addressing, routers, router configuration, routing and routing protocols, internet work open system (IOS) images and network troubleshooting. Particular emphasis is given to understanding the nature of and component of networks that make up LANs, WANs and the Internet. Students will become familiar with the use of command protocols that are used when configuring networks and will learn how to troubleshoot a 5-router topology.

**INCT 2545 - Network Security: Ethical Hacking**

**Total Credits = Cr: 3**  
Lecture = Lec: 2; / Laboratory = Lab: 1;

This class will immerse the student into an interactive environment where they will be shown how to scan, test and secure their own systems. The lab intensive environment gives each student in-depth knowledge and practical experience with the current essential security systems. Students will begin by understanding how perimeter defenses work and then be lead into scanning and attacking their own networks, no real network is harmed. Students then learn how intruders escalate privileges and what steps can be taken to secure a system.

**INCT 2840 - Managing Network Security**

**Total Credits = Cr: 3**  
Lecture = Lec: 1; / Laboratory = Lab: 2;

This course is intended to serve the needs of individuals interested in understanding the field of network security and how the field relates to other areas of information technology. Individuals will study, design, configure, and implement solutions that will reduce the risk of revenue lost and vulnerability.

**INCT 2855 - Firewall Technology**

**Total Credits = Cr: 7**  
Lecture = Lec: 1; / Laboratory = Lab: 6;

Provides students with an understanding of firewalls and how the devices relate to other areas of information technology. Individuals will study, configure, and implement solutions using firewalls.
Total: 33 hrs./ 735 clock hrs.

TCA - CIP 111001 - Computer Technician

INCT 1100 - Installation & Troubleshooting, Part I

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;

A hands-on intensive study involving PC hardware and software that prepares students for an industry-based certification such as the A+ examination. PC hardware includes installation of motherboards, various drives, and adapter cards. Software includes installation of operating systems, various applications, and communication software and their proper configuration. Provides a systematic approach towards PC diagnostics and troubleshooting through the use of practical industry standards diagnostic software.

INCT 1110 - Installation & Troubleshooting, Part II

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;

A hands-on advanced study involving PC hardware and software that prepares students for an industry-based certification such as the A+ examination. PC hardware includes installation of motherboards, various drives, and adapter cards. Software includes installation of operating systems, various applications, and communication software and their proper configuration. Provides a systematic approach towards PC diagnostics and troubleshooting through the use of practical industry standards diagnostic software.

CPTR 1010 - IC3

Total Credits = Cr: 4  
Lecture = Lec: 2 / Laboratory = Lab: 2

IC3–The Digital Literacy Certification courseware provides skills training and assessment for a broad range of computing concepts and techniques, including competency in computer hardware and software, operating systems, word processing and spreadsheet functions, networks and the Internet, electronic mail, and an understanding of the impact of computing and the Internet in society. The courseware is divided into three modules corresponding to the three exams that form the IC3 certification.

- KYBD 1000 - Basic Keyboarding 2 hrs./ 45 clock hrs.

Total: 12 hrs./ 285 clock hrs.
INCT 2110 - Networking Technologies

Total Credits = Cr: 4
Lecture = Lec: 2; / Laboratory = Lab: 2;

A hands-on study of networking technologies, which includes the planning, implementation, and administration of networks. The course also includes troubleshooting and security related issues.

INCT 2120 - Introduction To Basic Routers

Total Credits = Cr: 4
Lecture = Lec: 2; / Laboratory = Lab: 2;

This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction includes, but is not limited to, the Open System Interconnection (OSI) Reference Model, local area networks (LANs), wide area networks (WANs), transmission control protocol/Internet protocol (TCP/IP) addressing, routers, router configuration, routing and routing protocols, internet work open system (IOS) images and network troubleshooting. Particular emphasis is given to understanding the nature of and component of networks that make up LANs, WANs and the Internet. Students will become familiar with the use of command protocols that are used when configuring networks and will learn how to troubleshoot a 5-router topology.

INCT 2130 - Intermediate Routing And Switching

Total Credits = Cr: 4
Lecture = Lec: 2 / Laboratory = Lab: 2

This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction, includes, but is not limited to: a review of the Open System Interconnection (OSI) Reference Model, a study of the OSI layer functions, local area network (LAN) switching, Ethernet and virtual LANS (VLANs), LAN design, interior gateway routing protocol (IGRP), access control lists (ACLs), Novell Internet Packet Exchange (IPX), and network management. Particular emphasis is given to students being able to demonstrate the ability to apply learnings from Semesters 1 and 2 to a network and to be able to explain how and why a particular strategy is employed. In addition, the student will learn appropriate methodologies for managing networks, with emphasis placed on clear and adequate documentation of the Network.

INCT 2140 - Wide Area Network Protocols

Total Credits = Cr: 4
Lecture = Lec: 2 / Laboratory = Lab: 2
This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction, includes, but is not limited to: a review of the Open System Interconnection (OSI) Reference Model, a study of the OSI layer functions, local area network (LAN) switching, Ethernet and virtual LANS (VLANs), LAN design, interior gateway routing protocol (IGRP), access control lists (ACLs), Novell Internet Packet Exchange (IPX), and network management. Particular emphasis is given to students being able to demonstrate the ability to apply learnings from Semesters 1 and 2 to a network and to be able to explain how and why a particular strategy is employed. In addition, the student will learn appropriate methodologies for managing networks, with emphasis placed on clear and adequate documentation of the Network.

Total: 16 hrs./ 360 clock hrs.

TCA - CIP 111001 - Wide Area Network Professional

- INCT 2150 - Advanced Routing 3 hrs./ 75 clock hrs.
- INCT 2160 - Remote Access 3 hrs./ 75 clock hrs.
- INCT 2170 - Multilayer Switching 3 hrs./ 75 clock hrs.
- INCT 2190 - Internetwork Support 3 hrs./ 75 clock hrs.

Total: 12 hrs./ 300 clock hrs.

ICT: Computer/Networking Support Associate of Applied Science

Available at These Campuses

- Delta Ouachita – West Monroe
- Northeast – Winnsboro

Prepare to Successfully Pass National and Industry-Based Exams Such as:

- IC3, Comp TIA’s A+, Network+
- Server+, HTI+, iNET+, Security+
- Cisco System’s Certified Network Associate
- Cisco Certified Network Design
- Cisco Certified Network Professional
- Microsoft’s Certified Desktop Technician

Credential Options:

- Associate of Applied Science (AAS)
- ICT Computer/Networking Support
Program Description

This program is divided into a basic core area and a specialty computer/networking area. The basic core courses of study will prepare individuals to troubleshoot, repair, and maintain computer systems and basic local area network problems. Students will also learn to operate a computer using current operating system software and use current application software for manipulating spreadsheets, databases, and word processing documents.

Industry Based Certifications Available through Training

IC3
MOS 2007
NRF Customer Service

Admissions Procedure

- Must be at least 16 years of age.
- Complete admission application and pay $5 fee.
- Take the COMPASS exam at a cost of $15 (contact campus or view website for testing dates & times at each campus).
- High School Diploma or GED is required for unconditional entry into the AAS degree.

Financial Aid is Available

Northeast Louisiana Technical College participates in the following financial aid programs: Pell Grant, WIA, STEP, TOPS Tech, TOPS Tech Early Start, LEAP, Go Grant, Vocational Rehabilitation, Veterans Benefits, VA, and Voc. Rehab. Program requirements and inquiries should be directed to the Financial Aid Office.
Calendar of Operations

The academic calendar operates on fall and spring semesters, as well as a summer session, as follows:

- **Fall**: August—December
- **Spring**: January—May
- **Summer**: June—August

Day Classes – 8 a.m. until 3 p.m.

Evening Classes – time varies

Grading Scale

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90 – 100%</td>
<td>Excellent</td>
</tr>
<tr>
<td>B</td>
<td>80% - 89%</td>
<td>Above Average</td>
</tr>
<tr>
<td>C</td>
<td>70 – 79%</td>
<td>Average</td>
</tr>
<tr>
<td>D</td>
<td>60 – 69%</td>
<td>Below Average</td>
</tr>
<tr>
<td>F</td>
<td>59% or Below</td>
<td>Failure</td>
</tr>
</tbody>
</table>

Costs Associated with Program Enrollment

<table>
<thead>
<tr>
<th>Cost</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition per Credit Hour</td>
<td>$30.25 (maximum for 12 or more hours = $363)</td>
</tr>
<tr>
<td>Semester Registration</td>
<td>$5</td>
</tr>
<tr>
<td>Course Materials Fee</td>
<td>$5 per course</td>
</tr>
<tr>
<td>Academic Excellence Fee</td>
<td>$7 per credit hour (maximum fee of $84)</td>
</tr>
<tr>
<td>SGA Student Activity Fee</td>
<td>$10 per semester</td>
</tr>
<tr>
<td>Operational Fee</td>
<td>$2 per credit hour (maximum fee of $18)</td>
</tr>
<tr>
<td>Technology Fee</td>
<td>$5 per credit hour (maximum fee of $60)</td>
</tr>
<tr>
<td>Data Base Fee</td>
<td>$16 per semester</td>
</tr>
<tr>
<td>Student I.D. Fee</td>
<td>$5</td>
</tr>
</tbody>
</table>
Parking Decal Fee | $5 per academic year

**NOTE:** Additional charge for books and supplies.

**Tuition doubles for out-of-state students.**

Program Cost Sheets Available Upon Request

**Developmental Studies**

Remedial assistance is available in reading, math, and/or English for students who have placement scores below program requirements.

**Institutional Mission**

The mission of Northeast Louisiana Technical College is to prepare Louisiana’s citizens for improved quality of life, workforce success, and continued learning.

**Accreditation**

Northeast Louisiana Technical College is accredited by the Council on Occupational Education. Contact COE at 7840 Roswell Road, Building 300, Suite 325, Atlanta, GA 30350 for questions about the accreditation status of Northeast Louisiana Technical College.

For additional information, please visit our web site: www.myneltc.edu

**Campus Locations & Contact Information**

NELTC, Delta Ouachita Main Campus
609 Vocational Parkway ♦ West Monroe, LA 71292
Telephone: 318.397.6100 ♦ Fax: 318.397.6106

NELTC, Bastrop Branch Campus
729 Kammell Street ♦ Bastrop, LA 71221-1120
Telephone: 318.283.0836 ♦ Fax: 318.283.0871

NELTC, Northeast Louisiana Branch Campus
1710 Warren Street ♦ Winnsboro, LA 71295
Telephone: 318.435.2163 or 2164 ♦ Fax: 318.435.2166
Toll Free: 1.888.320.6133

NELTC, Ruston Branch Campus
1010 James Street ♦ Ruston, LA 71273-1070
Telephone: 318.251.4145 ♦ Fax: 318.251.4159

NELTC, Bastrop Airport Extension Campus
6376 Airport Road ♦ Bastrop, LA 71221-1120
Telephone: 318.283.0836 ♦ Fax: 318.283.0871
Louisiana Transfer Degree, Business

Business Track, A.A.L.T.

School of Health Sciences

Nursing

Nursing, A.S.N.

Students desiring admission to the Nursing Degree Program must first meet general admission requirements for Louisiana Delta Community College and must be unconditionally accepted for admission to the college. Students must subsequently make application to the Division of Nursing & Allied Health in order to be considered for admission to the Nursing Degree Program. Successful completion of the Degree of Associate of Science in Nursing will allow a graduate to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

Program of Study

General Education Courses

English Composition 6 hours
ENGL 101 - English Composition I

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

ENGL 102 - English Composition

Total Credits = Cr. 3  
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

Prerequisites: ENGL 101 with a grade of “C” or higher.

Mathematics 6 hours

MATH 105 - College Algebra (Expanded)

Total Credits = Cr. 5  
Lecture = Lec. 5;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

MATH 110 - College Algebra

Total Credits = Cr. 3  
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

MATH 210 - Introduction To Statistics
This course is designed to introduce students to the fundamentals of descriptive and inferential statistics with a pronounced emphasis on inference. The major topics include methods for analyzing sets of data, probability, probability distributions, estimation, confidence intervals, hypotheses testing, simple linear regression, correlation and non-parametric statistics.

**Prerequisites:** TH 110 with “C” or higher.

Biology 12 hours

**BIOL 221 - Human Anatomy And Physiology I**

**Total Credits = Cr. 3**
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body. The emphasis of the lecture will be on the physiology of organs and tissues. Topics covered will include the human organism, chemical basis of life, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, spinal cord, spinal nerves, brain, cranial nerves, and integration of nervous system functions, autonomic nervous system and special senses. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Eligibility to enroll in ENGL 101 and MATH 110 and successful completion of PHSC 120 or high school or college level chemistry.
**Corequisites:** Concurrent enrollment in BIOL 223, Human Anatomy & Physiology I Laboratory.

**BIOL 223 - Human Anatomy & Physiology I Lab**

**Total Credits = Cr. 1**
Laboratory = Lab 3

**Prerequisites or Corequisites:** Concurrent enrollment in or successful completion of BIOL 221 with a grade of “C” or higher.

**BIOL 222 - Human Anatomy & Physiology II**

**Total Credits = Cr. 3**
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body covering the endocrine system, cardiovascular, lymphatic (immune), respiratory, digestive, urinary and reproductive systems, development, growth, aging, nutrition, acid base balance and genetics. This course is designed for science majors and students majoring in a pre-allied health related field.
**Prerequisites:** Completion of BIOL 221 and BIOL 223 with a grade of C or better.

**Corequisites:** Concurrent enrollment in BIOL 224, Human Anatomy & Physiology II Laboratory.

### BIOL 224 - Human Anatomy & Physiology II Lab

**Total Credits** = Cr. 1  
/ Laboratory = Lab 3

**Prerequisites or Corequisites:** Concurrent enrollment in or successful completion of BIOL 222 with a grade of “C” or higher.

### BIOL 210 - General Microbiology

(formerly BIOL 212)

**Total Credits** = Cr. 3  
Lecture = Lec 3

Course presents an integrated approach to essential concepts in Microbiology and provides a foundation for practical, hands-on work and critical thinking that are a part of science and medical based professions (for science majors).

**Prerequisites:** Successful completion of BIOL 221 and BIOL 223 with a grade of “C” or higher.

**Corequisites:** Concurrent enrollment in BIOL 211, General Microbiology Laboratory

### BIOL 211 - General Microbiology Lab

**Total Credits** = Cr. 1  
/ Laboratory = Lab 3

Laboratory designed to accompany and enhance techniques and concepts addressed in BIOL 210, General Microbiology lecture.

**Prerequisites or Corequisites:** Concurrent enrollment in or successful completion of BIOL 210, General Microbiology, with a grade of “C” or higher.

### Academic Skills Seminar 1 hour

### ACSE 100 - Academic Seminar

**Total Credits** = Cr. 1  
Lecture = Lec. 1

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average.
Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.

Psychology 3 hours

**PSYC 201 - Introduction To Psychology**

*Total Credits = Cr. 3*
*Lecture = Lec. 3*

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

Fine Arts Elective 3 hours

Humanities Elective 3 hours

(SPCH 120 recommended)

**CINS 101 - Introduction To Computers**

*Total Credits = Cr. 3*
*Lecture = Lec. 3*

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.

Required Courses

**NURS 112 - Basics In Nursing**

*Total Credits = Cr. 5*
*Lecture = Lec. 3(3 hr/wk); / Laboratory = Lab 2(6 hr/wk)*

An introduction to the basic standards, concepts, and processes required for quality and safety in nursing. The classroom,
laboratory, and clinical practice components provide opportunities for development of the basic knowledge, skills and attitude necessary for competence and accountability in the delivery of healthcare at the beginning level. The course presents the nature of nursing, nursing process, safety, illness, communication, teaching/learning, hygiene, comfort and pain, mobility and activity, rest and sleep, health assessment, oral and topical medication administration and drug calculation, oxygenation, nutrition, urinary elimination, sexuality, spirituality, and loss and grief.

**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program.

**Corequisites:** NURS 115, BIOL 222/BIOL 224, ENGL 102

**NURS 115 - Pharmacology For Nursing**

**Total Credits = Cr. 3**  
Lecture = Lec. 3; Laboratory = Lab 0;

An introduction to the basic standards, concepts, and processes required for quality and safety in pharmacological nursing. The didactic course provides for development of comprehension in principal actions, therapeutic uses, adverse effects, and legal and ethical implications of pharmacology in nursing at the beginning level.

**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program.

**Corequisites:** NURS 112, BIOL 222/BIOL 224, ENGL 102.

**NURS 122 - Nursing Of The Adult I**

**Total Credits = Cr. 8**  
Lecture = Lec. 4(4 hr/wk); Laboratory = Lab 4(12 hr/wk);

The processes in quality and safe nursing care of adults with common health disorders are emphasized in both theory and clinical practice. Opportunities are provided for the development of the knowledge, skills and attitudes necessary for competence and accountability in the delivery of healthcare at the beginning level adult nursing. The course presents nursing care of: perioperative; fluid/electrolyte and acid-base balance; pain management; sensory-perception; integument and burns; respiratory; cardiovascular; and gastrointestinal disorders.

**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, ENGL 102, NURS 112, NURS 115.

**Corequisites:** MATH 210, boil 210/211.

**NURS 219 - Parent-Child Nursing**

**Total Credits = Cr. 8**  
Lecture = Lec. 4(4 hr/wk); Laboratory = Lab 4(12 hr/wk);

The processes in quality and safe family-centered nursing care before, during, and after birth, and in alterations in newborn, child
and adolescent’s health are emphasized in both theory and clinical practice. Opportunities are provided for development of the knowledge, skills and attitudes necessary for competence and accountability in the delivery of healthcare in familycentered nursing.

**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, BIOL 210/BIOL 211, MATH 210.

**Corequisites:** NURS 221, humanities elective.

**NURS 221 - Mental Health Nursing**

**Total Credits = Cr. 4**  
Lecture = Lec. 2(2 hr/wk); / Laboratory = Lab 2(6 hr/wk);

The process in quality and safe nursing care of adolescents and adults with alterations in mental health are emphasized in both theory and clinical practice. Opportunities are provided for development of the knowledge, skills and attitudes necessary for competence and accountability in understanding human behaviors, necessary adaptations, and the delivery of therapeutic communication skills.

**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, BIOL 210/BIOL 211, MATH 210.

**Corequisites:** NURS 219, humanities elective.

**NURS 232 - Nursing Of The Adult II**

**Total Credits = Cr. 9**  
Lecture = Lec. 4(4 hr/wk); / Laboratory = Lab 5(15 hr/wk);

The processes in quality and safe nursing care of adults with complex health disorders are emphasized in both theory and clinical practice. Opportunities are provided for development of the knowledge, skills and attitudes necessary for competence and accountability in the delivery of healthcare at the advanced level of medical/surgical nursing. The course presents nursing care of immunologic/hematologic; oncology; neurologic; musculoskeletal; endocrine; renal; reproductive disorders and emergencies and disasters.

**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, BIOL 210/BIOL 211, MATH 210.

**Corequisites:** Fine arts elective, NURS 233.

**NURS 233 - Trends, Issues, And Management**

**Total Credits = Cr. 1**  
Lecture = Lec. 1(1 hr/wk); / Laboratory = Lab 0;

Economic and political aspects of standards, concepts, and processes required for quality and safety in professional nursing. The
didactic course provides opportunity for gaining competence and accountability in development of the knowledge, skills, and attitudes necessary for career opportunities in quality improvement, leadership and management roles, and professional growth in nursing.

**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, MATH 210, NURS 122, NURS 219, NURS 221, humanities elective.

**Corequisites:** Fine arts elective, NURS 232.

**Requirements for Admission**

Admission to the Nursing Degree Program is on a selective basis. Selection recommendations are made by the Division of Nursing and Allied Health Selection Committee to the Division Head. The number of students selected each year will depend upon a number of factors including financial, personnel, and other resources available to the Nursing Program. Students must meet the following minimum criteria to be considered eligible for selection into the Nursing Program:

1. Meet the general admission requirements of the community college.
2. Submit to the Division of Nursing & Allied Health a completed Nursing Selection Form accompanied by all documents by the first Monday in October.
3. Complete the following prerequisite courses with a grade-point average of 2.5 or higher: Must have a “C” or better in each of these pre-requisites for enrollment into the college.

<table>
<thead>
<tr>
<th>Courses</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 101</td>
<td>3</td>
</tr>
<tr>
<td>MATH 105 or MATH 110</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 221/BIOL 223</td>
<td>3/1</td>
</tr>
</tbody>
</table>

4. Must have completed high school level chemistry, college chemistry, or PHSC 120 as pre-requisites to Biology 221/223.
5. CINS 101 or computer literacy exam is required
6. Science courses may not be more than five years old.
7. Students who have been awarded academic degrees at the Baccalaureate or Master’s level will be required to complete the same pre-requisite course work for the nursing curriculum.
8. Take the NLN-PAX RN exam within the last two years and have the results sent directly to the nursing program from NLN or previous school prior to the application deadline for the nursing program.
9. The student is able to meet the Core Performance Standards with or without accommodations.

**Selection**

Meeting the minimum criteria does not guarantee admission into the Nursing Program. Eligible applicants will be considered on a competitive basis. Selection decisions for the spring class will be made in October. If the number of qualified applicants exceeds available positions, the following selection criteria will be considered:

- GPA in Pre-Nursing Curriculum
- Score on NLN-PAX RN
- Previous LPN or healthcare experience with unencumbered license
Once Admitted

The student admitted to the Nursing Program will receive an acceptance letter and additional information regarding the following admission requirements:

- Health History, Physical Examination, TB skin testing & Immunizations- completed health records must be submitted to the Nursing Division office by the date indicated in the acceptance letter. Cost for all health requirements will be incurred by the student.
- Urine Drug Screen- Urine drug screen results must be submitted to the Nursing Division office by the date indicated in the acceptance letter. Costs will be incurred by the student. A positive drug screen or any attempt to tamper with a specimen may subject applicant to disqualification of the application and/or dismissal from the Nursing Program.
- Criminal Background Check and Fingerprint Cards- The Louisiana State Board of Nursing (LSBN) requires persons who have been arrested, charged with, or convicted of any criminal offense in any state to petition the LSBN in writing for the right to practice as a student in Louisiana prior to enrolling in a clinical nursing course. All applicants must complete an Application for Approval to Enroll in a Clinical Nursing Course form and submit it for a criminal background check prior to enrollment in a clinical nursing course. Costs will be incurred by the student. Approval to enroll in clinical nursing courses is granted by the LSBN. If the LSBN denies or delays a student’s entrance into a nursing clinical course, the student will be dropped from the nursing program and must reapply when cleared by LSBN.
- CPR- All students accepted into the nursing program are required to have and maintain current CPR carding by the date indicated in the acceptance letter. Only American Heart Association CPR for Health Care Providers is accepted.
- Students who accept the invitation for admission to the nursing program must submit their confirmation letters by the date indicated in the acceptance letter.
- Students not accepted for admission should schedule an appointment for academic advisement with nursing faculty.
- Students are required to show proof of health insurance.
- Students are required to maintain nursing liability insurance coverage.

LPN to RN

Louisiana Delta Community College will make it possible for qualified LPN’s to apply to the Nursing Program using their previously earned credits and/or experience. This program is expected to begin in the summer or fall of 2010. For more information call (318) 345-9174.

Retention/Progression Guidelines

Acceptance into the Louisiana Delta Community College Nursing Program entitles the student to progress through the nursing curriculum along with the class to which he or she is admitted. In order for a student to be retained and to progress in the curriculum, a student must maintain an overall GPA of 2.0 or higher, complete all nursing courses with a grade of “C” or better and repeat any nursing course in which a grade of “D”, “F”, or “W” was earned. All non-nursing courses must be completed with a “C” no later than the semester reflected in the curriculum plan for the nursing program. A student must maintain current C.P.R. for Healthcare Providers and maintain health immunizations requirements.

Degree Requirements
Nursing students must meet all general requirements specified in this catalog. In addition all nursing students must pass all nursing courses with a “C” or better and pass all clinical components of the nursing courses. Students must participate in all course evaluations, program evaluations, and must participate to the best of their ability in selected achievement tests.

Degree Requirements for Associate of Science in Nursing

First Semester

**ACSE 100 - Academic Seminar**

*Total Credits = Cr. 1*
*Lecture = Lec. 1*

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average. Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.

**BIOL 221 - Human Anatomy And Physiology I**

*Total Credits = Cr. 3*
*Lecture = Lec. 3*

A descriptive presentation of the structure and function of the organ systems of the human body. The emphasis of the lecture will be on the physiology of organs and tissues. Topics covered will include the human organism, chemical basis of life, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, spinal cord, spinal nerves, brain, cranial nerves, and integration of nervous system functions, autonomic nervous system and special senses. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Eligibility to enroll in ENGL 101 and MATH 110 and successful completion of PHSC 120 or high school or college level chemistry.

**Corequisites:** Concurrent enrollment in BIOL 223, Human Anatomy & Physiology I Laboratory.

**BIOL 223 - Human Anatomy & Physiology I Lab**

*Total Credits = Cr. 1*
*Laboratory = Lab 3*

**Prerequisites or Corequisites:** Concurrent enrollment in or successful completion of BIOL 221 with a grade of “C” or higher.

**ENGL 101 - English Composition I**
Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

MATH 105 - College Algebra (Expanded)

Total Credits = Cr. 5
Lecture = Lec. 5;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

MATH 110 - College Algebra

Total Credits = Cr. 3
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

PSYC 201 - Introduction To Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

CINS 101 - Introduction To Computers

Total Credits = Cr. 3
Lecture = Lec. 3

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will
use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.

Total: 14 hours

Second Semester

**ENGL 102 - English Composition**

Total Credits = Cr. 3  
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

**Prerequisites:** ENGL 101 with a grade of “C” or higher.

**NURS 112 - Basics In Nursing**

Total Credits = Cr. 5  
Lecture = Lec. 3(3 hr/wk); / Laboratory = Lab 2(6 hr/wk);

An introduction to the basic standards, concepts, and processes required for quality and safety in nursing. The classroom, laboratory, and clinical practice components provide opportunities for development of the basic knowledge, skills and attitude necessary for competence and accountability in the delivery of healthcare at the beginning level. The course presents the nature of nursing, nursing process, safety, illness, communication, teaching/learning, hygiene, comfort and pain, mobility and activity, rest and sleep, health assessment, oral and topical medication administration and drug calculation, oxygenation, nutrition, urinary elimination, sexuality, spirituality, and loss and grief.

**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program.

**Corequisites:** NURS 115, BIOL 222/BIOL 224, ENGL 102

**NURS 115 - Pharmacology For Nursing**

Total Credits = Cr. 3  
Lecture = Lec. 3; / Laboratory = Lab 0;

An introduction to the basic standards, concepts, and processes required for quality and safety in pharmacological nursing. The didactic course provides for development of comprehension in principal actions, therapeutic uses, adverse effects, and legal and
ethical implications of pharmacology in nursing at the beginning level.

**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program.

**Corequisites:** NURS 112, BIOL 222/BIOL 224, ENGL 102.

Natural Science 4 hours

**BIOL 222 - Human Anatomy & Physiology II**

Total Credits = Cr. 3
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body covering the endocrine system, cardiovascular, lymphatic (immune), respiratory, digestive, urinary and reproductive systems, development, growth, aging, nutrition, acid base balance and genetics. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Completion of BIOL 221 and BIOL 223 with a grade of C or better.

**Corequisites:** Concurrent enrollment in BIOL 224, Human Anatomy & Physiology II Laboratory.

**BIOL 224 - Human Anatomy & Physiology II Lab**

Total Credits = Cr. 1
/ Laboratory = Lab 3

**Prerequisites or Corequisites:** Concurrent enrollment in or successful completion of BIOL 222 with a grade of “C” or higher.

Total: 15 hours

Third Semester

**BIOL 210 - General Microbiology**

(formerly BIOL 212)

**Total Credits = Cr. 3**
Lecture = Lee 3
Course presents an integrated approach to essential concepts in Microbiology and provides a foundation for practical, hands-on work and critical thinking that are a part of science and medical based professions (for science majors).

**Prerequisites:** Successful completion of BIOL 221 and BIOL 223 with a grade of “C” or higher.
**Corequisites:** Concurrent enrollment in BIOL 211, General Microbiology Laboratory

**BIOL 211 - General Microbiology Lab**

Total Credits = Cr. 1  
/ Laboratory = Lab 3

Laboratory designed to accompany and enhance techniques and concepts addressed in BIOL 210, General Microbiology lecture.

**Prerequisites or Corequisites:** Concurrent enrollment in or successful completion of BIOL 210, General Microbiology, with a grade of “C” or higher.

**MATH 210 - Introduction To Statistics**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course is designed to introduce students to the fundamentals of descriptive and inferential statistics with a pronounced emphasis on inference. The major topics include methods for analyzing sets of data, probability, probability distributions, estimation, confidence intervals, hypotheses testing, simple linear regression, correlation and non-parametric statistics.

**Prerequisites:** TH 110 with “C” or higher.

**NURS 122 - Nursing Of The Adult I**

Total Credits = Cr. 8  
Lecture = Lec. 4(4 hr/wk); / Laboratory = Lab 4(12 hr/wk);

The processes in quality and safe nursing care of adults with common health disorders are emphasized in both theory and clinical practice. Opportunities are provided for the development of the knowledge, skills and attitudes necessary for competence and accountability in the delivery of healthcare at the beginning level adult nursing. The course presents nursing care of: perioperative; fluid/electrolyte and acid-base balance; pain management; sensory-perception; integument and burns; respiratory; cardiovascular; and gastrointestinal disorders.

**Prerequisites:** BIOL 221/BIOI 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, ENGL 102, NURS 112, NURS 115.  
**Corequisites:** MATH 210, boil 210/211.

Total: 15 hours
Fourth Semester

**NURS 219 - Parent-Child Nursing**

Total Credits = Cr. 8  
Lecture = Lec. 4(4 hr/wk); / Laboratory = Lab 4(12 hr/wk);

The processes in quality and safe family-centered nursing care before, during, and after birth, and in alterations in newborn, child and adolescent’s health are emphasized in both theory and clinical practice. Opportunities are provided for development of the knowledge, skills and attitudes necessary for competence and accountability in the delivery of healthcare in family-centered nursing.

**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, BIOL 210/BIOL 211, MATH 210.  
**Corequisites:** NURS 221, humanities elective.

**NURS 221 - Mental Health Nursing**

Total Credits = Cr. 4  
Lecture = Lec. 2(2 hr/wk); / Laboratory = Lab 2(6 hr/wk);

The process in quality and safe nursing care of adolescents and adults with alterations in mental health are emphasized in both theory and clinical practice. Opportunities are provided for development of the knowledge, skills and attitudes necessary for competence and accountability in understanding human behaviors, necessary adaptations, and the delivery of therapeutic communication skills.

**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, BIOL 210/BIOL 211, MATH 210.  
**Corequisites:** NURS 219, humanities elective.

**Humanities Requirement**

**SPCM 120 - Intro To Public Speaking**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an
informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

Total: 15 hours

Fifth Semester

- Fine Arts Requirement

**NURS 232 - Nursing Of The Adult II**

**Total Credits = Cr. 9**
Lecture = Lec. 4(4 hr/wk); / Laboratory = Lab 5(15 hr/wk);

The processes in quality and safe nursing care of adults with complex health disorders are emphasized in both theory and clinical practice. Opportunities are provided for development of the knowledge, skills and attitudes necessary for competence and accountability in the delivery of healthcare at the advanced level of medical/surgical nursing. The course presents nursing care of immunologic/hematologic; oncology; neurologic; musculoskeletal; endocrine; renal; reproductive disorders and emergencies and disasters.

**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, MATH 210, NURS 122, NURS 219, NURS 221, humanities elective.
**Corequisites:** Fine arts elective, NURS 233.

**NURS 233 - Trends, Issues, And Management**

**Total Credits = Cr. 1**
Lecture = Lec. 1(1 hr/wk); / Laboratory = Lab 0;

Economic and political aspects of standards, concepts, and processes required for quality and safety in professional nursing. The didactic course provides opportunity for gaining competence and accountability in development of the knowledge, skills, and attitudes necessary for career opportunities in quality improvement, leadership and management roles, and professional growth in nursing.

**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, MATH 210, NURS 122, NURS 219, NURS 221, humanities elective.
**Corequisites:** Fine arts elective, NURS 232.
Total Hours: 72 Credit Hours

Allied Health Programs

Emergency Medical Technician, T.C.A.

Program Type: Technical Competency Area (TCA)
Program Length: 8 Credit Hours/165 Clock Hours

Program Description

This program prepares students to give advanced pre-hospital/emergency care to victims of accidents or medical emergencies in pre-hospital environments. Skills taught in this program are at the EMT-Basic level, and meet the minimum standards as identified by the US Department of Transportation (DOT) National Standard Curriculum for Paramedic Education and the LA State Bureau of Emergency Medical Services (BEMS). The course is competency/outcome based and instruction includes supervised classroom/labs, preceptor clinical and field internship experiences with summative evaluations. Completion of this course of study allows the student to be eligible to take the written and practical National registry examinations for Louisiana State certification.

This is a limited enrollment program. Students must be admitted to enroll in any of the listed courses.

Emergency Medical Technician/Basic Course Listing

TCA - EMT Basic

- HEMS 1110 - Introduction to Basic EMT 1 hr./ 15 clock hrs.
- HEMS 1120 - Patient Assessment and Airway Management 2 hrs./ 45 clock hrs.
- HEMS 1140 - Medical/Behavioral Emergencies and Trauma Management 2 hrs./ 45 clock hrs.
- HEMS 1160 - Maternal Pediatric Management 1 hr./ 15 clock hrs.
- HEMS 1170 - EMT - Ambulance Operation 1 hr./ 15 clock hrs.
- HEMS 1172 - EMT - Basic Clinical 1 hr./ 30 clock hrs.

Total: 8 hrs./ 165 clock hrs.

Nurse Assistant, T.C.A.

Program Type: Technical Competency Area (TCA)
Program Length: 5 Credit Hours/155 Clock Hours
Program Description

The Nurse Assistant Certificate Program prepares students for employment in long-term care facilities, home health agencies, and hospitals where basic bedside nursing care is needed. Classroom instruction includes an introduction to health care, essential OBRA skills required for certification, body structure and function, and the job-seeking process, with an introduction to computer skills, as it relates to the health care industry. Students participate in clinical activities at approved facilities under the supervision of the instructor.

Upon successful completion of this program the student is qualified for universal certification and employment in the areas of long-term care, home health care, and acute care.

Nurse Assistant Course Listing

TCA - Nurse Assistant

HNUR 1211 - Nursing Fundamentals I

Total Credits = Cr: 4
Lecture = Lec: 3 / Laboratory = Lab: 1

Theory (45hrs) and supervised skills lab (30hrs) experiences that focus on providing basic nursing skills to meet the physiological, psychosocial, socio-cultural, and spiritual needs of clients in various health care environments. Infection control information and skills are presented as part of this course. Omnibus Budget Reconciliation Act (OBRA) guidelines are presented as application of the nursing process in the management of clients with health alterations.

- HCOR 1212 - Skills Application 1 hr./ 80 clock hrs.

Total: 5 hrs./ 155 clock hrs.

Optional Electives:

CSRV 1000 - Customer Service

Total Credits = Cr: 3
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

Prerequisites: Consent of Instructor
May Not Be Substituted:

The following courses may not be substituted for the above requirements.

- HCOR 2991 - Special Projects I 1 hr./ 30 clock hrs.
- HCOR 2993 - Special Projects II 2 hrs./ 60 clock hrs.
- HCOR 2995 - Special Projects III 3 hrs./ 90 clock hrs.
- HCOR 2996 - Special Projects IV 3 hrs./ 45 clock hrs.
- HCOR 2997 - Special Projects V 1 hr./ 15 clock hrs.

Paramedic Certification

Patient Care Technician, C.T.S.

**Program Type:** Certificate of Technical Studies (CTS)  
**Program Length:** 27 Credit Hours/701 Clock Hours

**Program Description**

The Patient Care Technician certificate program prepares individuals for a variety of job opportunities in the health occupations areas and is generated to meet the need for cross training of employees in health care facilities. Graduates may find employment in long-term care facilities, hospitals, laboratories, and clinics where basic bedside nursing skills are required, as well as the skills of phlebotomy, performing electrocardiograms (EKG), stress testing, and holter monitoring procedures. All OBRA skill standards are included into this competency-based curriculum. The program consists of classroom/lab instruction and supervised/preceptor clinical activities. Prior to clinical, the student must present a current CPR card for Basic Life Support for Health Care Providers.

Upon successful completion of this competency-based program, students may be eligible to take certification exams in Phlebotomy, Nursing Assistant, Electrocardiogram (EKG) Technician, and/or Patient Care Technician.

**Patient Care Technician Course Listing**

**TCA - CIP 511614 - Nurse Assistant**

**HNUR 1211 - Nursing Fundamentals I**

**Total Credits = Cr: 4**  
Lecture = Lee: 3 / Laboratory = Lab: 1

Theory (45hrs) and supervised skills lab (30hrs) experiences that focus on providing basic nursing skills to meet the physiological, psychosocial, socio-cultural, and spiritual needs of clients in various health care environments. Infection control
information and skills are presented as part of this course. Omnibus Budget Reconciliation Act (OBRA) guidelines are presented as application of the nursing process in the management of clients with health alterations.

- HCOR 1212 - Skills Application 1 hr./ 80 clock hrs.

Total: 5 hrs./ 155 clock hrs.

**TCA - EKG Skills**

- HCOR 1120 - Basic Body Structure and Function 2 hrs./ 30 clock hrs.

**CPTR 1000 - Introduction To Computers**

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introductory study of computer system components, operating system environments. Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

**Prerequisites:** None
- MAST 1210 - Administrative Procedures 1 4 hrs./ 60 clock hrs.
- HEKG 1011 - EKG Procedures 3 hrs./ 105 clock hrs.
- HMD T1170 - Medical Terminology 1 hr./ 15 clock hrs.

Total: 12 hrs./ 255 clock hrs.

**TCA - Phlebotomy Skills**

- HPHL 1011 - Phlebotomy Principles 3 hrs./ 75 clock hrs.
- HPHL 1022 - Phlebotomy Procedures/Skills 6 hrs./ 201 clock hrs.
- HCOR 1160 - Professionalism for Healthcare Providers 1 hr./ 15 clock hrs.

Total: 10 hrs./ 291 clock hrs.

**CTS - Patient Care Technician**
Optional Elective:

**CSRV 1000 - Customer Service**

Total Credits = Cr: 3  
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

**Prerequisites:** Consent of Instructor

**May Be Substituted:**

With approval from the Chief Academic officer/designee, the following courses may be substituted for the above course requirements

- HCOR 2991 - Special Projects I 1 hr./ 30 clock hrs.
- HCOR 2993 - Special Projects II 2 hrs./ 60 clock hrs.
- HCOR 2995 - Special Projects III 3 hrs./ 90 clock hrs.
- HCOR 2996 - Special Projects IV 3 hrs./ 45 clock hrs.
- HCOR 2997 - Special Projects V 1 hr./ 15 clock hrs.

**Phlebotomy, T.C.A.**

**Practical Nursing, T.D.**

**Program Type:** Technical Diploma (TD)  
**Program Length:** 58 Credit Hours/1535 Clock Hours

**Program Description**

The Practical Nursing program is designed to prepare the student to meet the licensure requirements for Licensed Practical Nurse (LPN), as established by the Louisiana State Board of Practical Nurse Examiners (LSBPNE). The program progresses from simple to complex and consists of classroom instruction, lab practicum and supervised clinical activities in accredited hospitals, nursing homes, and other health care agencies.

Students should note that some courses have prerequisites, which must be completed before enrolling into upper level courses and continuing in the program. Students must demonstrate basic computer skills prior to advancement into the acute care clinical component of the program. Practical Nursing Program Coordinators or their designees may assess a student’s basic computer skills.
skills by administering a competency exam or having the student successfully complete the CPTR 1000 or a comparable computer course.

Articulated courses are determined at the discretion of the Practical Nurse Program Coordinator and based upon individual evaluation as described in the 2005 Louisiana Nursing Education Articulation Model.

Each course in the PN program must be completed with a minimum score of 80%. Upon graduation, the student is awarded a diploma and is eligible to take the National Council of State Boards Licensure Examination for Practical Nurses (NCLEX-PN).

This is a limited enrollment program. Students must be admitted to the program to enroll in any of the PN courses. Students must meet or exceed entrance test scores as indicated in table below:

<table>
<thead>
<tr>
<th>Type of test</th>
<th>Mathematics</th>
<th>Reading</th>
<th>Language</th>
<th>Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACT (sub score)</td>
<td>18-36</td>
<td>20-36</td>
<td>18-36</td>
<td>20</td>
</tr>
<tr>
<td>COMPASS</td>
<td>48-100</td>
<td>85-100</td>
<td>68-100</td>
<td>N/A</td>
</tr>
<tr>
<td>ASSET</td>
<td>42-55</td>
<td>44-55</td>
<td>44-55</td>
<td>N/A</td>
</tr>
<tr>
<td>TEAS</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>55 or ↑</td>
</tr>
</tbody>
</table>

Students scoring below the scores noted above will be required to complete applicable developmental courses or pre-requisite allied health courses prior to acceptance into the PN program.

Admission Requirements:

Students must apply to the campus/program of their choice and meet the minimum admission standards, including:

- Ability to obtain CPR for Healthcare Providers certification prior to first clinical course – or as directed by program coordinator
- Official birth certificate
- Official HS or GED transcript
- Proof of current immunizations
- History and Physical exam
- TB skin test or Chest x-ray
- Fingerprints and $26 money order payable to Louisiana Department of Public Safety and Corrections
- $50 money order payable to Louisiana State Board of Practical Nurse Examiners
- Additional criminal background check required for clinical courses – check with the campus for specific information
- Drug screening – check with the campus for specific information
- Applicants must NOT be currently serving under any court-imposed order of supervised probation, work release, school release or parole in conjunction with any felony conviction(s) or plea agreement.
- Students must demonstrate ability to meet following technical/performance standards while receiving the instruction as outlined in each course syllabus:
  a. Read and communicate orally and in writing using the English language.
  b. Hear with or without auditory aids to understand normal speaking voice without viewing the speakers face.
  c. Visually, with or without corrective lenses, observe changes in client’s condition and actively participate in learning process.
  d. Utilize stamina, strength and psychomotor coordination necessary to perform routine practical nursing procedures at floor or bed level.
  e. Demonstrate use of gross and fine motor skills necessary to provide independent, safe and effective practical nursing care.
f. Solve problems and apply critical thinking skills while providing safe and efficient client care.

g. Interact with individuals/families/groups from various socioeconomic and cultural backgrounds.

h. Adapt and function in a multi-stressor environment while adhering to legal/ethical guidelines of the school, Louisiana PN Nurse Practice Act and clinical agencies.

Practical Nursing Course Listing

Pre-requisite Courses:

Pre-requisite courses may be exempted based on entrance test scores or successful completion of previous college level courses.

AHSC 1000 - Allied Health Science

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

This Science course provides entry level introduction to biology and chemistry thus providing a foundation for enrollment into an allied health program and improving proficiency in career preparation courses.

AHMA 1000 - Allied Health Math

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

This applied mathematics course provides a review for the student who needs to master the fundamental numerical operations of addition, subtraction, multiplication, and division of whole numbers, fractions, and decimals. This course also assists the student in acquiring a better understanding of percent, ratio and proportion, measurements, algebraic concepts, and geometry. This course is designed to provide a foundation for enrollment into an allied health program and improving proficiency in career preparation courses.

AHRE 1000 - Allied Health Reading

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

This reading course provides an intensive study of vocabulary, and comprehension skills thus providing a foundation for enrollment into an allied health program and improving proficiency in career preparation courses.

AHEN 1000 - Allied Health English

Total Credits = Cr: 3
The purpose of this English course is to provide instruction that will enable students to acquire mastery of basic grammar, usage, and mechanics, as well as mastery of sentence structure and the study of paragraph development and introductory essay writing thus providing a foundation for enrollment into an allied health program and improving proficiency in career preparation courses.

**ORNT 1000 - Freshman Seminar**

**Total Credits = Cr. 1**  
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

**Required Practical Nursing Courses:**

**HNUR 1211 - Nursing Fundamentals I**

**Total Credits = Cr. 4**  
Lecture = Lec. 3 / Laboratory = Lab: 1

Theory (45hrs) and supervised skills lab (30hrs) experiences that focus on providing basic nursing skills to meet the physiological, psychosocial, socio-cultural, and spiritual needs of clients in various health care environments. Infection control information and skills are presented as part of this course. Omnibus Budget Reconciliation Act (OBRA) guidelines are presented as application of the nursing process in the management of clients with health alterations.

**HNUR 1212 - Geriatric Clinical**

**Total Credits = Cr. 1**  
Lecture = Lab:1

The student will perform, demonstrate, and practice a minimum of 40 hours of basic geriatric nursing care and skills in long term care facilities under the supervision and discretion of the LTC nursing faculty.

**TCA - Health Aid**
HNUR 1270 - Pn Perspectives

Total Credits = Cr: 3
Lecture = Lec: 3

This course includes information regarding vocational adjustments and personal, family, and community health issues. It expounds on the role of the practical nurse, practical nursing education and the Law Relating to the Practice of Practical Nursing as defined by the Louisiana State Board of Practical Nurse Examiners (LSBPNE), including the Louisiana Revised Statutes, Title 37, Chapter 11, Subpart II - Practical Nurses and LAC 46:XLVII.Nursing, subpart 1- Practical Nurses. Ethical/legal/cultural issues and trends, communication techniques, and personality development are addressed. It includes discussion of the concepts of health maintenance with identification of local, state and national health resources available for maintenance of health. Also included is an introduction to the normal aging process, including biological, psychosocial, cultural, spiritual, and pharmacological factors, including health maintenance throughout the life cycle. Additional topics covered in this course will include rehabilitative/restorative care and support of end-of-life issues utilizing therapeutic and preventive measures.

HNUR 1300 - Anatomy And Physiology For Healthcare Providers

Total Credits = Cr: 5
Lecture = Lec: 5

This course is a study of structure and function of the human body systems to include cells, skeletal, muscular, circulatory/lymphatic, digestive, respiratory, urinary, reproductive, endocrine, nervous, sensory and integumentary systems. Medical terms and commonly used medical/nursing abbreviations related to each body system are addressed in detail in this course.

HNUR 1320 - Nutritional Aspects

Total Credits = Cr: 2
Lecture = Lec: 2

Normal nutrition and the modification of the principles of normal nutrition for therapeutic purposes are studied. This course includes the role of the essential nutrients of proteins, carbohydrates, fats, vitamins, minerals and water in the maintenance of good health and wellness for all ages.

HNUR 1361 - Basic Pharmacology

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

Medical math is an integral component of this course. The terminology and principles of medication administration are presented in this course. It includes medication assessment, procedures for administration of oral, parenteral, topical, irrigation and instillation routes/methods, along with basic dosage calculations of medications/intravenous fluid rates. Safety precautions, guidelines and documentation are emphasized.
HNUR 1411 - Nursing Fundamentals II

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1

This course includes 30 hrs of theory and 60 hrs of supervised skills lab experiences that focus on providing practical nursing skills to meet the physiological, psychosocial, socio-cultural, and spiritual needs of clients in various healthcare environments. Advanced skills are presented through the application of the nursing process to assist in the management of all aged clients with health alterations.

HNUR 1460 - Advanced Pharmacology

Total Credits = Cr: 1  
Lecture = Lec: 1

Drug classifications and their effect on the various body systems are presented. Specific drugs in each classification are emphasized according to expected effects, side effects, and adverse effects. Routes of drug administration and variables that influence drug action are covered including dangerous drug interactions and nursing implications related to each drug. Safety precautions which will help to decrease the incidence of errors in medication administration are stressed. Advanced medication calculations will be required to demonstrate knowledge of safe dosing parameters. The nursing process is utilized to assess the client’s learning needs and effects of all pharmacological interventions.

HNUR 2113 - Medical/Surgical I

Total Credits = Cr: 8  
Lecture = Lec: 5 / Laboratory = Lab: 3

This course is a study of the nursing process as a method of individualizing patient care with special emphasis directed towards essential concepts related to body fluid/water, electrolytes, and acid-base balance, care of the perioperative adult client and the adult client experiencing alterations in cardiovascular/lymphatic/immune functioning. Included is a review of anatomy & physiology, and therapeutic/modified diets for each body system addressed. Pharmacological interventions/commonly used medications for each body system addressed are discussed at length. Geriatric considerations are addressed. Students will begin to utilize a nursing process approach, and will perform applicable practical nursing clinical skills to assigned client(s) in approved health care facilities under the supervision and discretion of practical nursing faculty. This course includes a 180-hour clinical component.

HNUR 2123 - Medical/Surgical III

Total Credits = Cr: 8  
Lecture = Lec: 5 / Laboratory = Lab: 3

This course includes theory related to nursing care provided to adult clients experiencing alterations in the respiratory, gastrointestinal, endocrine and integumentary function. Care of the adult client with a neoplastic disorder is also included. Included is a review of anatomy and physiology, and therapeutic/modified diets for each body system addressed.
Pharmacological interventions/commonly used medications for each body system addressed are discussed at length. Geriatric considerations are addressed. Utilizing a nursing process approach, the student will perform applicable practical nursing clinical skills to multiple clients in approved health care facilities under the supervision and discretion of practical nursing faculty. Critical thinking skills are encouraged while the student learns to make interdependent practical nursing decisions. This course includes a 180-hour clinical component.

**HNUR 2133 - Medical/surgical III**

**Total Credits = Cr: 8**  
Lecture = Lec: 5 / Laboratory = Lab: 3

This course includes the study of genitourinary, reproductive, sensory, neurological and musculoskeletal disorders with emphasis on pathophysiology and pharmacology for the adult client. Included is a review of anatomy and physiology, and therapeutic/modified diets. Pharmacological interventions/commonly used medications for each body system addressed are discussed at length. Geriatric considerations are addressed. Utilizing a nursing process approach, the student will perform applicable practical nursing clinical skills to multiple clients experiencing serious illnesses in approved health care facilities under the supervision and discretion of practical nursing faculty. Critical thinking skills are utilized while the student begins to make interdependent practical nursing decisions. Students will be expected to perform clinical skills with in-direct supervision of the clinical instructor. This course includes a 180-hour clinical component.

**HNUR 2523 - Mental Illness/ Psychiatric Nursing**

**Total Credits = Cr: 2.5**  
Lecture = Lec: 2 / Laboratory = Lab: 0.5

This is the study of the client experiencing emotional, mental and social alterations utilizing the nursing process approach with integrated pharmacology and application of life span principles. Geriatric considerations are addressed. Utilizing a nursing process approach, the student will perform applicable practical nursing clinical skills to clients in mental health facilities under the supervision and at the discretion of practical nursing faculty. This course includes a 30-hour clinical component.

**HNUR 2611 - IV Therapy**

**Total Credits = Cr: 1**  
Lecture = Lec: 1

The role of the practical nurse, legal implications of intravenous (IV) therapy, and equipment/devices used, anatomy/physiology, methods and techniques, infection control measures, complications, and other vital information related to intravenous therapy is discussed. Supervised lab performance (15hrs) is an integral part of this course.

**HNUR 2713 - Obstetrics**

**Total Credits = Cr: 2.5**  
Lecture = Lec: 2 / Laboratory = Lab: 0.5
Current issues, growth and development of the childbearing family, fetal development and gestation are studied. Care of the client during the antepartal, intrapartal, and postpartal periods is included, as well as care of the neonate. Included is a review of anatomy and physiology, and therapeutic/modified diets. Pharmacological interventions/commonly used medications for each body system and condition are discussed at length. Utilizing a nursing process approach, the student will perform applicable practical nursing clinical skills to maternal & neonatal clients during the antepartal, intrapartal, and postpartal periods, in appropriate clinical sites, under the supervision and at the discretion of practical nursing faculty. This course includes a 30-hour clinical component.

**HNUR 2723 - Pediatrics**

**Total Credits = Cr: 2.5**  
**Lecture = Lec: 2 / Laboratory = Lab: 0.5**

This course presents essential information related to growth and development of infants, toddlers, preschool through school age and adolescents, and those diseases common but not exclusive to the particular age groups. Included is a review of anatomy and physiology, and therapeutic/modified diets. Pharmacological interventions/commonly used medications for each body system and age group are discussed at length. Utilizing a nursing process approach, the student will perform applicable practical nursing clinical skills to pediatric clients in appropriate clinical sites under the supervision and at the discretion of practical nursing faculty. This course includes a 30-hour clinical component.

**HNUR 2813 - Pn Leadership And Management**

**Total Credits = Cr: 2.5**  
**Lecture = Lec: 2 / Laboratory = Lab: 0.5**

This course presents the laws, rules and regulations which govern licensure to practice practical nursing in the state of Louisiana, including a review of the Louisiana Revised Statutes, Title 37, Chapter 11, Subpart II – Practical Nurses and LAC 46:XLVII Nursing, subpart 1- Practical Nurses. Students are prepared for the NCLEX-PN licensure examination. It is designed to prepare the future LPN for compliance with the laws, to explain the procedures which facilitate necessary operations of the Louisiana State Board of Practical Nurse Examiners (LSBPNE) and to outline the obligations which accompany the privilege of service in health care. Legal responsibilities, confidentiality and ethical practice along with concepts of management and supervision are emphasized. Preparation for employment is introduced by evaluating job opportunities, compiling a resume, and outlining information essential to finding, applying for and terminating a job in the healthcare industry. A study of common health problems and etiologies seen in nursing home residents, including safe administration of medications, selected acute illnesses, and typical health emergencies. In addition, a review of documentation requirements, health protection guidelines, and health promotion activities in long-term facilities are presented. Appropriate teaching of related diagnostic results in the elderly are summarized. The leadership/management role in the nursing home setting is outlined including the delegation of tasks to support staff. The course focuses on issues such as the relationship of management and quality improvement for care of the elderly in long-term facilities. In addition, the organization and structure of the nursing home and the function of various departments are included. The Louisiana Department of Health and Hospitals and the survey process is integrated throughout the course. Common legal and ethical issues encountered in long-term care facilities are discussed. Utilizing a nursing process approach, the student will perform applicable practical nursing clinical skills to clients in geriatric care facilities under the supervision and at the discretion of practical nursing faculty. Critical thinking skills are encouraged while the student makes interdependent practical nursing decisions. Students will perform in management and leadership roles in the facility and will administer medications to groups of residents comparable to industry’s entry-level expectations of a beginning practitioner. This course includes a 30-hr clinical component.

Total: 5 hrs./ 115 clock hrs.
TD - Practical Nursing

Program Coordinators have the option to substitute HNUR 2523, HNUR 2713, or HNUR 2723 with approved courses, if needed to avoid clinical scheduling conflicts.

Total: 58 hrs./ 1535

Optional Electives:

**CSRV 1000 - Customer Service**

Total Credits = Cr: 3  
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

**Prerequisites:** Consent of Instructor

**CSRV 2000 - Customer Service**

NEEDS COURSE DESCRIPTION

**ENTP 1000 - Entrepreneurship**

NEEDS COURSE DESCRIPTION

**May Not Be Substituted:**

The following courses may not be substituted for the above course requirements

- HNUR 2991 - Special Projects I 1 hr./ 30 clock hrs.
- HNUR 2993 - Special Projects II 2 hrs./ 60 clock hrs.
- HNUR 2995 - Special Projects III 3 hrs./ 90 clock hrs.
- HNUR 2996 - Special Projects 3 hrs./ 45 clock hrs.

**Pre-Respiratory Therapy (in conjunction with BPCC)**
School of Technology

The Louisiana Transfer Associate Degree

The transfer associate degree is designed to provide students with an opportunity to complete the first 60 hours of work toward a baccalaureate degree at a two-year or community college. Students who successfully complete a designated transfer associate program are eligible to enter a four-year public university as a junior, with all 60 (non-developmental) credits transferring to the receiving university.

The Louisiana transfer associate degree consists of a 39-hour General Education (GenEd) block and a 21-hour block of additional course work. Students who enter a four-year public university with this degree in hand will have met the institution’s general education requirements and will be granted upper division (junior) status, with all of its concomitant rights and privileges. This guarantee applies to those who successfully complete the degree with a grade of “C” or better in each course.

Students may complete either an Associate of Arts/Louisiana Transfer (AA/LT) or Associate of Science/ Louisiana Transfer (AS/LT) degree, depending on interests and aspirations for further study toward the baccalaureate. Upon deciding on a prospective major, it is important that students do some research and seek advice about what the program’s prerequisite courses are so that they may be completed as a part of the AA or AS degree.

IN SUMMARY, the Louisiana Transfer Associate Degree* guarantees:

- Admission to a 4-year public university;
- Junior-level standing;
- Transfer of all 60 hours;
- Completion of General Education block requirements at any Louisiana public university;
- Equal opportunity to compete against ‘native’ students for admission to limited access programs.

* with grade requirement met

The Louisiana Transfer Associate Degree does not guarantee:

- Admission to every university or degree program: student must meet institutional or degree program admission requirements (e.g., GPA, specific course completions, etc);
- That the courses taken for the transfer degree will meet specified course requirements of the major.

Advising

Advising and planning are key to a student’s success in maximizing the transfer experience. All students who might be considering an eventual transfer from one institution to another should develop, with an advisor’s assistance, a written degree plan of courses to take for the transfer associate degree.

It is the student’s responsibility, with professional advice, to choose the array of courses that will optimize preparation for admission into specific senior colleges and timely completion of expected degree programs. Review of the degree plan will provide an opportunity to reflect on the qualifications conferred by the two-year transfer associate, which awards junior standing in a Louisiana public university.

Grades
Graduates of the designated Transfer Associate of Arts or Associate of Science degree programs must have achieved a grade of “C” or better in each course of the 60 hours applied toward the degree to qualify for block transfer guarantees. (Developmental courses do not apply to degree requirements.)

Student Benefits & Responsibilities for the Transfer Associate Degree:

1. The Louisiana Transfer Associate Degree guarantees admission to a Louisiana public 4-year university. However, admission to some high demand programs is competitive and can be based on grade point average and other academic requirements.

   It is the student’s responsibility to research and fulfill the admission requirements for such programs.

2. The Louisiana Transfer Associate Degree guarantees that transfer students will have an equal opportunity to compete with ‘native’ students to enter limited access programs at 4-year universities. It is the student’s responsibility to know the transfer admission requirements and to be as prepared as possible to compete for a place in the program.

3. The Louisiana Transfer Associate Degree guarantees that all 60 credits will transfer to the Louisiana public 4-year university.

   However, if a student transfers prior to completing the 60 credit associate transfer degree, s/he may find that some courses do not transfer or that s/he is required to take additional courses to meet the general education requirement at the receiving 4-year university.

4. Graduates of the designated transfer Associate of Arts or Associate of Science degree programs must have achieved a grade of “C” or better in each course of the 60 hours applied toward the degree to qualify for block transfer guarantees.

5. The Louisiana Transfer Associate is a two-year portable academic credential which awards junior standing in any Louisiana public university.

   Advising and planning are key to success. All students who might be considering an eventual transfer from one campus to another should develop, with an advisor’s assistance, a written degree plan. It is the student’s responsibility to choose the array of courses that will optimize preparation for admission into specific senior colleges and timely completion of the expected baccalaureate major.

Air Conditioning & Refrigeration, A.A.S.

**Program Type:** Associate of Applied Science (AAS)  
**Program Length:** 60 credit hours/1575 clock hours  
**Residential Air Conditioning and Refrigeration Technician:** 45 credit hours/1350 clock hours  
**Commercial Air Conditioning and Refrigeration Technician:** 45 credit hours/1350 clock hours  
**Commercial Refrigeration Technician:** 45 credit hours/1350 clock hours

**Program Description**

The purpose of this program is to provide specialized classroom instruction and practical shop experience to prepare students for employment in a variety of jobs in the field of heating, air conditioning, and refrigeration.

The Air Conditioning and Refrigeration program prepares individuals to install, diagnose, repair, and maintain the operating condition of domestic, residential, and commercial heating air conditioning, and refrigeration systems.

**NOTE:** Computer proficiency is required for enrollment in this program.
Air Conditioning and Refrigeration Course Listing

TCA - Helper I

- HACR 1150 - HVAC Introduction 3 hrs./ 90 clock hrs.
- HACR 1160 - Principles of Refrigeration I 3 hrs./ 90 clock hrs.
- HACR 1170 - Principles of Refrigeration II 3 hrs./ 90 clock hrs.
- HACR 1180 - Principles of Refrigeration III 3 hrs./ 90 clock hrs.

Total: 12 hrs./ 360 clock hrs.

CTS - Helper II

- HACR 1210 - Electrical Fundamentals 3 hrs./ 90 clock hrs.
- HACR 1220 - Electrical Components 3 hrs./ 90 clock hrs.
- HACR 1230 - Electric Motors 3 hrs./ 90 clock hrs.
- HACR 1240 - Applied Electricity and Troubleshooting 3 hrs./ 90 clock hrs.

Total: 24 hrs./ 720 clock hrs.

CTS - Domestic A/C & Refrigeration Technician

- HACR 1410 - Domestic Refrigeration 2 hrs./ 60 clock hrs.
- HACR 1420 - Room Air Conditioners 2 hrs./ 60 clock hrs.

Total: 28 hrs./ 840 clock hrs.

TD - Residential A/C & Refrigeration Technician

- HACR 2510 - Residential Central Air Conditioning I 3 hrs./ 90 clock hrs.
- HACR 2520 - Residential Central Air Conditioning II 2 hrs./ 75 clock hrs.
- HACR 2530 - Residential System Design 2 hrs./ 60 clock hrs.
- HACR 2540 - Residential Heating I 3 hrs./ 105 clock hrs.
- HACR 2550 - Residential Heating II 3 hrs./ 90 clock hrs.
- HACR 2560 - Residential Heat Pumps 2 hrs./ 60 clock hrs.
JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 45 hrs./ 1350 clock hrs.

Successful completion of TCA Helper I, CTS Helper II, & CTS Domestic A/C Refrig Tech. In addition, successful completion of above seven courses

TD - Commercial Refrigeration Technician

- HACR 2910 - Commercial Refrigeration I 6 hrs./ 210 clock hrs.
- HACR 2920 - Commercial Refrigeration Controls 7 hrs./ 210 clock hrs.
- HACR 2930 - Commercial Refrigeration II 6 hrs./ 180 clock hrs

Total: 45 hrs./ 1350 clock hrs.

Successful Completion of TCA Helper I, CTS Helper II, JOBS 2450, and the above three courses.

AAS – Air Conditioning and Refrigeration Technology

ENGL 1015 - English Composition I

Total Credits = Cr: 3
Lecture = Lec: 3

The study of the basic rhetorical modes of English composition with emphasis on prewriting, writing, and revising techniques utilizing correct English grammar, usage, and punctuation. Prerequisites: English score of at least 20 on the Enhanced ACT, successful completion of Developmental English, or permission of the campus CAO.

MATH 1015 - College Algebra
Total Credits = Cr: 3
Lecture = Lec: 3;

Linear and quadratic equations and inequalities, radical and rational equations, complex numbers, graphing, functions, exponential and logarithmic functions, polynomial equations, systems of linear equations and inequalities.

Prerequisites: Math score of at least 21 on the Enhanced ACT, successful completion of Developmental Math, or permission of the campus CAO

PSYC 2015 - Introduction To Psychology

Total Credits = Cr: 3
Lecture = Lec: 3;

An overview of psychology designed to expose students to the major theories, research practices, and applied areas of psychology.

SPCH 1015 - Introduction To Public Speaking

Total Credits = Cr: 3
Lecture = Lec: 3;

Designed to teach students basic public presentation principles and skills. Students complete one speech each of personal introduction, information, persuasion, demonstration, and special occasion (influential person).

PHSC 1015 - Physical Science I

Total Credits = Cr: 3
Lecture = Lec: 3;

Introductory study of topics in physical science including motion, energy, temperature, light and sound, electricity, and atomic structure.

Total: 60 hrs./ 1575 clock hrs.

May Be Substituted:

With Approval from the Chief Academic Officer/designee, the following courses may be substituted for the above course requirements

- SPPR 2991 - Special Projects I 1 hr./ 30 clock hrs.
• SPPR 2993 - Special Projects II 2 hrs./ 60 clock hrs.
• SPPR 2995 - Special Projects III 3 hrs./ 90 clock hrs.
• SPPR 2996 - Special Projects IV 3 hrs./ 45 clock hrs.
• SPPR 2997 - Practicum 3 hrs./ 135 clock hrs.
• SPPR 2999 - Cooperative Education 3 hrs./ 135 clock hrs.

Optional Electives:

C PTR 1000 - Introduction To Computers

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introductory study of computer system components, operating system environments. Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

Prerequisites: None

CSR V 1000 - Customer Service

Total Credits = Cr: 3
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

Prerequisites: Consent of Instructor

CSR V 2000 - Customer Service

NEEDS COURSE DESCRIPTION

ENTP 1000 - Entrepreneurship

NEEDS COURSE DESCRIPTION
• SOLR 1000 - Solar Fundamentals 3 hrs./ 45 clock hrs.
• SOLR 1010 - PV Solar Applications 3 hrs./ 75 clock hrs.
• SOLR 1020 - Industrial Solar Applications 3 hrs./ 75 clock hrs.
• SOLR 1030 - Solar Thermal Applications 3 hrs./ 75 clock hrs.
Additional TCA Exit Point:

- SOLR 1000 - Solar Fundamentals 3 hrs./45 clock hrs.
- SOLR 1010 - PV Solar Applications 3 hrs./75 clock hrs.
- SOLR 1020 - Industrial Solar Applications 3 hrs./75 clock hrs.
- SOLR 1030 - Solar Thermal Applications 3 hrs./75 clock hrs.
- TCA—Solar Systems Installer

Automotive Technology, T.D.

**Program Type:** Technical Diploma (TD)
**Program Length:** 60 Credit Hours/1740 Clock Hours

**Program Description**

The purpose of this program is to provide specialized classroom instruction and practical shop experience to prepare individuals to engage in the servicing and maintenance of all types of automobiles at the entry level. The program prepares the individual to select, safely use, and maintain hand and power tools, jacks, and hoisting equipment. Instruction in the diagnosis of malfunctions and the repair of engines; fuel, electrical, cooling, and brake systems; drive train; and suspension systems is included. The competencies in the automotive technology program are directly correlated with the knowledge required to prepare an individual for the certification test given by the National Institute for Automotive Service Excellence (ASE). The content is organized into competency-based courses of instruction that specify occupational competencies the individual must successfully complete according to the priorities for tasks established by the National Automotive Technicians Education Foundation (NATEF).

**Automotive Technology Course Listing**

**TCA - Engine Repair Technician**

**ORNT 1000 - Freshman Seminar**

**Total Credits = Cr. 1**
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

**AUTO 1100 - General Engine Diagnosis And Repair**
This course teaches the techniques used in diagnosing automotive engines and determining the necessary repair procedures. It also covers removal and installation of automotive engines.

**AUTO 1110 - Cylinder Head & Valve Train Diagnosis And Repair**

This course teaches the procedures and repair methods for diagnosing and reconditioning cylinder heads.

**AUTO 1120 - Engine Block Assembly Diagnosis And Repair**

This course teaches the procedures and repair methods for diagnosing and reconditioning engine blocks.

**AUTO 1130 - Lubrication And Cooling System Diagnosis And Repair**

This course teaches the procedures and methods for the diagnosis and repair of automotive engine lubrication and cooling system.

Total: 6 hrs./ 165 clock hrs.

**TCA - Automatic Transmission & Transaxle Technician**

**AUTO 1200 - General Transmission And Transaxle Diagnosis**

This course teaches the techniques and procedures used in the diagnosis of Automatic transmissions and transaxles.
AUTO 1210 - Transmission And Transaxle Maintenance

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures for the servicing of automatic transmissions and transaxles. It also teaches linkage adjustments.

AUTO 1220 - In Vehicle Repair

Total Credits = Cr: 1
/ Laboratory = Lec: 1

This course teaches the repair and adjustment procedures that can be performed with the transmission or transaxle installed in the vehicle.

AUTO 1230 - Off-vehicle Transmission And Transaxle Repair I

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures for removal, disassembly, reassembly, and reinstallation of automatic transmissions and transaxles. It also covers the procedures for the repair of torque converters and oil pump assemblies.

AUTO 1240 - Off-vehicle Transmission And Transaxle Repair II

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures for the inspection and measurement of gear trains, shafts, bushings and cases.

Total: 5 hrs./ 150 clock hrs.

TCA - Manual Drive Train Technician

AUTO 1300 - Drive Train And Clutch Diagnosis And Repair
Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods of diagnosis for manual drive trains and clutches. It also covers removal, installation, and adjustments of clutches.

**AUTO 1310 - Transmission And Transaxle Diagnosis And Repair**

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods for removal, installation, and reconditioning of manual transaxle and transmission units.

**AUTO 1320 - Drive And Half Shaft And Universal Joint Repair**

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods for diagnosis and repair of drive, half, and universal joints.

**AUTO 1330 - Drive Axle Diagnosis And Repair**

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods for diagnosis and repairs of standard differentials, limited slip differentials and drive axle shafts.

**AUTO 1340 - Four And All Wheel Drive Diagnosis And Repair**

Total Credits = Cr: 1
/ Laboratory = Lab: 1;

This course teaches the procedures and methods for diagnosis and repair of four and all wheel drive vehicles.

Total: 5 hrs./ 150 clock hrs.

**TCA - Steering & Suspension Technician**
AUTO 1400 - General Steering And Suspension Diagnosis

Total Credits = Cr: 1  
/ Laboratory = Lab: 1

This course teaches the procedures and methods used in diagnosing steering and suspension systems.

AUTO 1410 - Steering System Diagnosis And Repair

Total Credits = Cr: 1  
/ Laboratory = Lab: 1

This course teaches the different types of steering systems and the procedures and methods to diagnose and repair steering systems. It also includes instruction on supplemental restraint systems (Air Bags).

AUTO 1420 - Suspension Systems Diagnosis And Repair

Total Credits = Cr: 1  
/ Laboratory = Lab: 1

This course teaches the different types of suspension systems and the procedures and methods used for diagnose and repair.

AUTO 1430 - Wheel Alignment Diagnosis And Repair

Total Credits = Cr: 1  
/ Laboratory = Lab: 1

This course teaches the principles of geometry necessary to understand the procedures and methods for diagnosis and alignment of steering systems.

AUTO 1440 - Wheel And Tire Diagnosis And Repair

Total Credits = Cr: 1  
/ Laboratory = Lab: 1

This course teaches the procedures and methods in the servicing automotive tire and wheel assemblies including rotating, balancing, and repair.

Total: 5 hrs./ 150 clock hrs.
TCA - Brake Technician

AUTO 1500 - Hydraulic Systems Diagnosis And Repair

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the principles of physics as related to fluid pressures and hydraulics. It also teaches the procedures and methods of diagnosis of the automotive hydraulic system.

AUTO 1510 - Drum Brake Diagnosis And Repair

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair drum brake systems.

AUTO 1520 - Disk Brake Diagnosis And Repair

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair disc brake systems.

AUTO 1530 - Power Assist Diagnosis And Repair

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair power assist units in automotive braking systems.

AUTO 1540 - Antilock And Traction Control Diagnosis And Repair

Total Credits = Cr: 1
/ Laboratory = Lab: 1
This course teaches the procedures and methods necessary to diagnose and repair antilock brake systems and traction control systems.

Total: 5 hrs./ 150 clock hrs.

TCA - Electrical Technician

**AUTO 1600 - General Electrical System Diagnosis**

Total Credits = Cr: 2  
/ Laboratory = Lab: 2

This course teaches the electrical principles of Ohm’s Law, Series Circuits, Parallel Circuits, and Series Parallel circuits. It also teaches the basic methods of electrical diagnosis and use of schematic and wiring diagrams.

**AUTO 1610 - Battery Diagnosis And Repair**

Total Credits = Cr: 1  
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair the battery and associated electrical components.

**AUTO 1620 - Starting Systems Diagnosis And Repair**

Total Credits = Cr: 2  
/ Laboratory = Lab: 2

This course teaches the procedures and methods necessary to diagnose and repair starting systems including the removal and installation of components.

**AUTO 1630 - Charging Systems Diagnosis And Repair**

Total Credits = Cr: 2  
/ Laboratory = Lab: 2

This course teaches the procedures and methods necessary to diagnose and repair charging systems including removal and installation of components.
AUTO 1640 - Lighting Systems, Gauges, Warning Devices And Driver Information Diagnosis And Repair

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair lighting systems, gauges, warning devices and driver information systems.

AUTO 1650 - Horn And Wiper/Washer Diagnosis And Repair

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair windshield wiper/washer systems and the horn system.

- AUTO 1660 - Electrical Accessories Diagnosis and Repair 1 hr./ 30 clock hrs.

Total: 10 hrs./ 300 clock hrs.

TCA - Heating and Air Conditioning Technician

AUTO 1700 - Air Conditioning System Diagnosis And Repair

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the principles of refrigeration and the procedures and methods necessary to diagnose and repair automotive air conditioning systems.

AUTO 1710 - Refrigeration System Component Diagnosis And Repair

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair individual components of the air conditioning system.
AUTO 1720 - Heating And Ventilation Systems Diagnosis And Repair

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair automotive heating and ventilation systems.

AUTO 1730 - Operating Systems And Related Controls

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair electrical, vacuum, and automatic temperature controls.

AUTO 1740 - Refrigerant Recover, Recycling And Handling

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to properly handle and store refrigerants.

Total: 5 hrs./ 150 clock hrs.

TCA - Engine Performance Technician

AUTO 1800 - General Engine Diagnosis

Total Credits = Cr: 3
/ Laboratory = Lab: 3

This course teaches the principles of internal combustion engines and the procedures and methods necessary to diagnose general engine mechanical problems.

AUTO 1810 - Computerized Engine Controls Diagnosis And Repair
This course teaches the procedures and methods necessary to diagnose and repair computerized engine controls by retrieving and storing diagnostics codes.

**AUTO 1820 - Ignition Systems Diagnosis And Repair**

This course teaches the procedures and methods necessary to diagnose and repair the various types of ignition systems in use today.

**AUTO 1830 - Fuel, Air Induction, And Exhaust Systems**

This course teaches the procedures and methods necessary to diagnose and repair fuel supply and fuel delivery systems. It also teaches the repair procedures for intake and exhaust systems.

**AUTO 1840 - Emissions Systems Diagnosis And Repair**

This course teaches the procedures and methods necessary to diagnose and repair the myriad of emissions controls systems on modern automobiles.

**AUTO 1850 - Engine Related Services**

This course teaches the procedures and methods necessary to diagnose and repair mechanical timing devices, and cooling system components.

Total: 15 hrs./ 450 clock hrs.
TD - Automotive Technician

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2  
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

CPR 1000 - Introduction To Computers

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introductory study of computer system components, operating system environments. Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

Prerequisites: None

Total: 60 hrs./ 1740 clock hrs.

Barber-Styling, T.D.

Program Type: Technical Diploma (TD)  
Program Length: 53 Credit Hours/1605 Clock Hours

Program Description

The Barber-Styling diploma program is designed to prepare students to work efficiently in the industry of Barber-Styling. This competency-based program includes classroom instruction and practical/lab experience under supervision of the instructor.

Practical skills are developed through experience in a school-based, on-site shop which is equipped and managed according to industry standards by the students with instructor supervision. Upon completion of this program, which is approved by the LA State Board of Barber Examiners and meets the 1500-hour requirement, students are eligible to take the LA State Board of Barber Examiners licensure examination.
Barber-Styling Course Listing

TD - Barber Styling

ORNT 1000 - Freshman Seminar

Total Credits = Cr. 1
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

- BARB 1110 - History of Barbering and the Professional Image 2 hrs./ 30 clock hrs.

CPTR 1000 - Introduction To Computers

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introductory study of computer system components, operating system environments. Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

Prerequisites: None

- BARB 1120 - Sanitation, Bacteriology, Safety with Tools, Implements, and Equipment Theory and Practice 2 hrs./ 60 clock hrs.
- BARB 1131 - Sanitation, Bacteriology, Safety with Tools, Implements, and Equipment Lab 1 hrs./ 30 clock hrs.
- BARB 1160 - Men's/Women's Basic Haircutting/Styling Theory & Practice 2 hrs./ 60 clock hrs.
- BARB 1220 - Shaving, Mustaches, and Beards Theory & Practice 1 hrs./ 30 clock hrs.
- BARB 1211 - Barber-Styling Lab I 4 hrs./ 180 clock hrs.
- BARB 1410 - Electricity and Safety 1 hrs./ 15 clock hrs.
- BARB 1140 - Facial Massage and Treatments Theory & Practice 2 hrs./ 60 clock hrs.
- BARB 1150 - Properties/Disorders/Treatments of Skin, Scalp, & Hair Theory and Practice 2 hrs./ 60 clock hrs.
- BARB 1231 - Barber-Styling Lab II 2 hrs./ 90 clock hrs.
- BARB 1310 - Permanent Waving/Chemical Hair Relaxing Theory & Practice 3 hrs./ 90 clock hrs.
- BARB 1321 - Permanent Waving/Chemical Hair Relaxing Lab 2 hrs./ 60 clock hrs.
- BARB 1350 - Chemistry 2 hrs./ 30 clock hrs.
- BARB 1420 - Anatomy and Physiology 2 hrs./ 45 clock hrs.
- BARB 1430 - Men's Hairpieces Theory 1 hrs./ 30 clock hrs.
- BARB 1441 - Barber-Styling Lab III 5 hrs./ 225 clock hrs.
• BARB 2630 - Professionalism for Barber Styling 1 hrs./ 15 clock hrs.
• BARB 1330 - Hair Coloring Theory and Practice 2 hrs./ 60 clock hrs.
• BARB 1341 - Hair Coloring Lab 2 hrs./ 60 clock hrs.
• BARB 2111 - Barber-Styling Shop Management and Sales 2 hrs./ 60 clock hrs.
• BARB 2120 - LA State Barber Board Review Theory 3 hrs./ 45 clock hrs.
• BARB 2131 - LA State Barber Board Review Lab 4 hrs./ 180 clock hrs.

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 53 hrs./ 1605 clock hrs.

Optional Electives:

CSRV 1000 - Customer Service

Total Credits = Cr: 3
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

Prerequisites: Consent of Instructor

May Be Substituted:

With approval from the Chief Academic officer/designee, the following courses may be substituted for the above course requirements
Biomedical Equipment Technology, C.T.S

Commercial Vehicle Operations, T.C.A.

Program Type: Technical Competency Area (TCA)
Program Length: 10 Credit Hours/240 Clock Hours

Program Description

The purpose of this program is to prepare individuals for employment as professional tractor-trailer drivers. The program is a short-term training course designed to prepare students to enter the truck driving industry. The program content includes instruction in operating diesel powered tractor trailer rigs, identifying common vehicle components, defensive driving skills, actual driving on rural, urban and interstate highways, handling cargo, backing and maneuvering tractor trailers, documentation and verification of loads, logging and the performance of vehicle inspections.

Commercial Vehicle Operations Course Listing

TCA - Commercial Vehicle Operator

- CTDP 1110 - Introduction to Commercial Vehicle Operation 3 hrs./ 45 clock hrs
- CDPT 1120 - Federal Motor Carrier Safety Regulations 2 hrs./ 30 clock hrs.
- CTDP 1131 - Commercial Vehicle Inspections 1 hrs./ 30 clock hrs.
- CTDP 1140 - Commercial Vehicle Basic Skills 2 hrs./ 45 clock hrs.
- CTDP 1211 - Commercial Vehicle Operations I 2 hrs./ 90 clock hrs.

Total: 10 hrs./ 240 clock hrs.

Optional Elective:

CSRV 1000 - Customer Service

Total Credits = Cr: 3
This course is intended to help participants' progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

**Prerequisites:** Consent of Instructor

---

**Computer Numerical Control Specialist, C.T.S.**

**Program Type:** Certificate of Technical Studies (CTS)  
**Program Length:** 31 Credit Hours/630 Clock Hours

**Program Description**

The Certificate of Technical Studies in CNC Specialist involves two distinct components: (1) Technical Competency Area (TCA) ñ Certified Manufacturing Specialist (CMS), (2) Technical Competency Area (TCA) ñ Computer Numerical Controlled Machining (CNC). The CMS TCA produces skilled employees for manufacturing industries. Skills taught have been derived from typical business requirements for existing manufacturing employees and those entering the workforce. The CNC TCA prepares individuals to shape metal parts on Computer Numerical Controlled (CNC) machines programmed as lathes and milling machines.

**CNC Operator Course Listing**

**TCA - Certified Manufacturing Specialist**

**ORNT 1000 - Freshman Seminar**

**Total Credits = Cr. 1**  
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

- CNCS 1000 - Manufacturing Organizational Principles 2 hrs./30 clock hrs.  
- CNCS 1010 - Manufacturing Workforce Skills 2 hrs./30 clock hrs.  
- CNCS 1020 - Manufacturing Production Requirements 2 hrs./30 clock hrs.  
- CNCS 1030 - Automated Manufacturing Skills 2 hrs./30 clock hrs.  
- CNCS 1040 - Representative Manufacturing Skills 2 hrs./45 clock hrs.

**Total: 11 hrs./180 clock hrs.**
TCA - CNC Operator

- CNCS 1100 - Introduction to CNC Machining 3 hrs./ 75 clock hrs.
- CNCS 1110 - Blueprint Reading for CNC Machinists 3 hrs./ 60 clock hrs.
- CNCS 1120 - Introduction to CNC Machine Tooling 2 hrs./ 45 clock hrs.
- CNCS 1130 - G& M Code Programming 2 hrs./ 45 clock hrs.
- CNCS 1140 - CNC Forming and Shaping 2 hrs./ 45 clock hrs.
- CNCS 1150 - CNC Mill Operations 3 hrs./ 75 clock hrs.
- CNCS 1160 - CNC Lathe Operations 3 hrs./ 75 clock hrs.

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 20 hrs./ 450 clock hrs.

CTS - CNC Operator

CSRV 1000 - Customer Service

Total Credits = Cr: 3
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

Prerequisites: Consent of Instructor
- CNCS 2991 - Special Projects I 1 hr./ 30 clock hrs.
• CNCS 2993 - Special Projects II 2 hrs./ 60 clock hrs.
• CNCS 2995 - Special Projects III 3 hrs./ 90 clock hrs.
• CNCS 2996 - Special Projects IV 3 hrs./ 45 clock hrs.
• CNCS 2997 - Special Projects V 1 hr./ 15 clock hrs.

Total: 31 hrs./ 630 clock hrs.

**Diesel Powered Equipment Technology, T.D.**

**Program Type:** Technical Diploma (TD)

**Program Length:** 60 Credit Hours/1815

**Program Description**

To provide specialized classroom instruction and practical shop experience to prepare individuals to engage in the servicing and maintenance of all types of automobiles at the entry level. To prepare individuals to select, safety use, and maintain hand and power tools, jacks, and hoisting equipment. Instructions in the diagnostics of malfunctions and the repair of engines; fuel, electrical, cooling, HVAC systems, and brake systems, drive train and suspension systems included.

**Diesel Powered Equipment Technology**

**TCA - Air Condition Technician**

**ORNT 1000 - Freshman Seminar**

**Total Credits = Cr. 1**

Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

**DPET 1120 - Safety Skills & Introduction To Diesel**

**Total Credits = Cr. 4**

Lecture = Lec. 2 / Laboratory = Lab 2
Basic safety information needed to prepare individuals entering the workforce with an introduction to the occupation of diesel powered equipment technology, safety, tools, test equipment, fasteners, bearings, and seals. Laboratory work requires using tools and fasteners.

**DPET 2220 - Air Conditioning**

Total Credits = Cr: 4  
Lecture = Lec: 2 / Laboratory = Lab: 2

This course covers the physical and chemical laws governing the principles of refrigeration. The basic cycle and components will be covered. Applications will include alternate refrigerants, transferring, evacuation and system reprocessing.

Total: 8 hrs./ 240 clock hrs.

**TCA - Steering and Suspension**

**DPET 2140 - Fundamentals Of Steering**

Total Credits = Cr: 3  
Lecture = Lec: 1 / Laboratory = Lab: 2

The course contains the theory of operation and service procedures for medium/heavy duty truck steering systems.

**DPET 2210 - Fundamentals Of Suspension**

Total Credits = Cr: 3  
Lecture = Lec: 1 / Laboratory = Lab: 2

The course includes the theory of operation and service procedures for medium/heavy duty truck suspension systems.

Total: 10 hrs./ 390 clock hrs.

**TCA - Brakes**
DPET 2110 - Basic Hydraulics

Total Credits = Cr: 2  
Lecture = Lec: 1 / Laboratory = Lab: 1

This course includes the principles of basic hydraulic systems and general maintenance procedures of a hydraulic system. Also included are the disassembly and assembly of hydraulic components and the application of safety rules and regulations.

DPET 2130 - Brakes

Total Credits = Cr: 4  
Lecture = Lec: 1 / Laboratory = Lab: 3

The course includes nomenclature, theory of operation, and service procedure for medium/heavy duty truck braking systems to include air and hydraulics.

Total: 10 hrs./ 600 clock hrs.

TCA - Diesel Engine Technician Apprentice

DPET 1130 - Diesel Engine Parts Identification & Operating Principles

Total Credits = Cr: 4  
Lecture = Lec: 2 / Laboratory = Lab 2

This course is an introduction to the design and construction of diesel engines and identification of diesel engine parts.

DPET 1140 - Engines I

Total Credits = Cr: 3  
Lecture = Lec: 1 / Laboratory = Lab 2

The course will include disassembly, inspection and evaluation, repair and reassembly of engines.

Total: 11 hrs.
TCA - Drive Train Technician

DPET 1310 - Introduction To Power Trains

Total Credits = Cr: 2
Lecture = Lec: 1 / Laboratory = Lab: 1

This course includes the theory of operation and application of various mechanical gearing components.

DPET 1320 - Transmissions

Total Credits = Cr: 3
Lecture = Lec: 1 / Laboratory = Lab: 2

The course includes a detailed study of the function, construction, operation and servicing of automatic and manual transmissions.

DPET 1330 - Differentials

Total Credits = Cr: 3
Lecture = Lec: 1 / Laboratory = Lab: 2

This course includes identifying the parts of driver lines and differentials for medium/heavy duty trucks and heavy equipment. Live work will be a part of this course.

Total: 12 hrs./ 1065 clock hrs.

CTS - Diesel Engine Technician

DPET 1310 - Introduction To Power Trains

Total Credits = Cr: 2
Lecture = Lec: 1 / Laboratory = Lab: 1

This course includes the theory of operation and application of various mechanical gearing components.
DPET 1320 - Transmissions

Total Credits = Cr: 3  
Lecture = Lec: 1 / Laboratory = Lab: 2

The course includes a detailed study of the function, construction, operation and servicing of automatic and manual transmissions.

DPET 1330 - Differentials

Total Credits = Cr: 3  
Lecture = Lec: 1 / Laboratory = Lab: 2

This course includes identifying the parts of driver lines and differentials for medium/heavy duty trucks and heavy equipment. Live work will be a part of this course.

DPET 1130 - Diesel Engine Parts Identification & Operating Principles

Total Credits = Cr. 4  
Lecture = Lec. 2 / Laboratory = Lab 2

This course is an introduction to the design and construction of diesel engines and identification of diesel engine parts.

DPET 1140 - Engines I

Total Credits = Cr. 3  
Lecture = Lec. 1 / Laboratory = Lab 2

The course will include disassembly, inspection and evaluation, repair and reassembly of engines.

DPET 1141 - Engines II

Total Credits = Cr.  
Lecture = Lec. 1 / Laboratory = Lab 2

The course will include disassembly, inspection and evaluation, repair and reassembly of engines.

DPET 1240 - Diesel Engine Fuel Systems
This course will include the identity of type and functions of fuel injectors, nozzles, and unit injectors; troubleshooting, replacing injectors and nozzles, the identity of types, parts, functions, operation, and uses of various fuel injection pumps, electronic metering systems and electronic unit injectors.

**CPTR 1002 - Computer Literacy And Applications**

(**PREVIOUSLY KNOWN AS CPTR 1000)**

**Total Credits = Cr: 3**
**Lecture = Lec: 3**

This course is an introductory study and application of computer system components and operating system environments. Internet concepts, electronic mail, and core components of word processing, database management, spreadsheets, and presentation software will also be addressed.

**DPET 1210 - Basic Diesel Electrical Systems**

**Total Credits = Cr: 4**
**Lecture = Lec: 2 / Laboratory = Lab: 2**

This course will include electrical safety practices; tool use; connecting and disconnecting techniques; direct current symbols, components, and schematics; principles of DC voltage and current; Ohm’s Law; and troubleshoot, repair, and calibrate electrical/electronic systems.

**DPET 1220 - Advanced Diesel Electrical Systems**

**Total Credits = Cr: 3**
**Lecture = Lec: 1 / Laboratory = Lab: 2**

This course will include the study of DC resistance and conductors, principles of DC circuits, fundamentals of alternating current and semiconductors, basic electronic circuits, and digital electronics.

**DPET 1231 - Diesel Engine Control Systems**

**Total Credits = Cr: 2**
**Lecture = Lec: 1 / Laboratory = Lab: 1**

This course includes identification and functions of vehicle computer control systems.
DPET 1150 - General Engine Diagnosis

Total Credits = Cr: 3  
Lecture = Lec: 1 / Laboratory = Lab: 2

The course will include performance of preventive maintenance on diesel engines, diagnosis of engine malfunctions, performance of tune-ups using related service manuals and test equipment.

Total: 32 hrs./ 1905 clock hrs.

TD - Diesel Powered Equip Technician

DPET 2240 - Diesel Preventive Maintenance

Total Credits = Cr: 3  
Lecture = Lec: 1 / Laboratory = Lab: 2

The course includes the importance of preventive maintenance, types of preventive maintenance, types of preventive maintenance inspection, vehicle overview, and the knowledge and use of specialty tools.

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2  
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 60 hrs./ 2040 clock hrs.
May Be Substituted:

With approval from the Chief Academic Officer the following courses may be substituted for any of the above course requirements.

- DPET 2991 - Special Projects I 1 hrs./ 30 clock hrs.

**DPET 2993 - Special Projects II**

Total Credits = Cr: 2  
/ Laboratory = Lab: 2

A course designed for the student who has demonstrated specific special needs.

**DPET 2995 - Special Projects III**

Total Credits = Cr: 3  
/ Laboratory = Lab: 3

A course designed for the student who has demonstrated specific special needs.

**DPET 2996 - Special Projects IV**

Total Credits = Cr: 3  
Lecture = Lec: 3

A course designed for the student who has demonstrated specific special needs.

**DPET 2999 - Cooperative Education**

Total Credits = Cr: 3  
Lecture = Lec: 3

Cooperative Education provides supervised on-the-job work experience related to the student’s educational objectives. Students participating in Cooperative Education receive compensation for their work.

**DPET 1251 - Alternative Fuel Systems**

Total Credits = Cr: 2  
Lecture = Lec: 1 / Laboratory = Lab: 1
This course includes an introduction to various fuel systems, components, and their functions and the proper storage, identification and grading of fuels.

**DPET 2120 - Advanced Hydraulics**

Total Credits = Cr: 3  
Lecture = Lec: 1 / Laboratory = Lab: 2

The course includes principles of advanced hydraulic system, troubleshooting and application of open-centered and closed-centered systems, close-centered load sensing, variable displacement pump, positive displacement pump, hydrostatic systems, and electro-hydraulic systems.

**DPET 2231 - Welding**

Total Credits = Cr: 2  
Lecture = Lec: 1 / Laboratory = Lab: 1

The course includes practical experience in the use of oxyacetylene and shielded arc welding of steel plate in the flat position and an introduction of oxyacetylene/cutting procedures is also included.

**Drafting & Design Technology, A.A.S.**

**Program Type:** Associate of Applied Science (AAS)  
**Program Length:** 60 Credit Hours/1575 Clock Hours

**Program Description**

The Drafting and Design Technology program is a two-year technical program designed to give the student essential knowledge and skills required for efficient and productive performance in the drafting field. Northeast Louisiana Technical College grants an Associate of Applied Science (AAS) to students upon satisfactory completion of the curriculum and assists in placing students in gainful employment. Certificates are also offered for those needing a background in drafting without gaining all of the skills required for employment as a drafter.

**Drafting and Design Technology Course Listing**

TCA – Engineering Aide I

**ORNT 1000 - Freshman Seminar**

Total Credits = Cr. 1
This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

- DRFT 1110 - Drafting Fundamentals 2 hrs. / 45 clock hrs.
- DRFT 1120 - Geometric Construction 2 hrs. / 45 clock hrs.
- DRFT 1130 - Pictorial Drawing 2 hrs. / 45 clock hrs.
- DRFT 1145 - Machine & Section Drawing 3 hrs. / 105 clock hrs.
- DRFT 1161 - Dimensioning 2 hrs. / 45 clock hrs.

Total: 12 hrs. / 300 clock hrs.

**CTS - Engineering Aide II**

- MATH 1110 - Technical Math I 3 hrs. / 45 clock hrs. or
- DRFT 1160 - Drafting Math I 3 hrs. / 45 clock hrs.

- DRFT 1215 - Auxiliary Views/ Intersections & Development 3 hrs. / 105 clock hrs.
- DRFT 1230 - Fasteners 1 hr. / 30 clock hrs.
- CADD 1210 - Basic Computer Aided Drafting & Design 3 hrs. / 105 clock hrs.

Total: 22 hrs. / 585 clock hrs.

**TD - Drafting and Design Technician**

- CADD 1215 - Advanced Computer Aided Drafting & Design 3 hrs. / 105 clock hrs.
- DRFT 2310 - Discipline I - Introduction to Manufacturing/Electrical 3 hrs. / 105 clock hrs.
- DRFT 2320 - Discipline II - Introduction to Architectural/Civil/Structural 3 hrs. / 105 clock hrs.
- DRFT 2330 - Discipline III - Introduction to Piping/Marine 3 hrs. / 105 clock hrs.
- DRFT 2340 - Advanced Discipline I 3 hrs. / 105 clock hrs. *
- DRFT 2350 - Advanced Discipline II 3 hrs. / 105 clock hrs. *
- DRFT 2360 - Advanced Discipline III 3 hrs. / 105 clock hrs. *

**JOBS 2450 - Job Seeking Skills**

Total Credits = Cr: 2
This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 45 hrs./ 1350 clock hrs.

* Advanced Disciplines: Architectural, Civil, Electronics, Manufacturing, Marine, Piping, Structural

AAS - Drafting and Design Technology

Required General Education Courses:

ENGL 1015 - English Composition I

Total Credits = Cr: 3
Lecture = Lec: 3

The study of the basic rhetorical modes of English composition with emphasis on prewriting, writing, and revising techniques utilizing correct English grammar, usage, and punctuation. Prerequisites: English score of at least 20 on the Enhanced ACT, successful completion of Developmental English, or permission of the campus CAO.

MATH 1015 - College Algebra

Total Credits = Cr: 3
Lecture = Lec: 3;

Linear and quadratic equations and inequalities, radical and rational equations, complex numbers, graphing, functions, exponential and logarithmic functions, polynomial equations, systems of linear equations and inequalities.

Prerequisites: Math score of at least 21 on the Enhanced ACT, successful completion of Developmental Math, or permission of the campus CAO

PSYC 2015 - Introduction To Psychology

Total Credits = Cr: 3
Lecture = Lec: 3;
An overview of psychology designed to expose students to the major theories, research practices, and applied areas of psychology.

**PHSC 1015 - Physical Science I**

*Total Credits = Cr: 3*
*Lecture = Lec: 3;*

Introductory study of topics in physical science including motion, energy, temperature, light and sound, electricity, and atomic structure.

**SPCH 1015 - Introduction To Public Speaking**

*Total Credits = Cr: 3*
*Lecture = Lec: 3;*

Designed to teach students basic public presentation principles and skills. Students complete one speech each of personal introduction, information, persuasion, demonstration, and special occasion (influential person).

Total: 60 hrs./1575 clock hrs.

Optional Elective:

**CSRV 1000 - Customer Service**

*Total Credits = Cr: 3*
*Lecture = Lec: 3*

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

**Prerequisites:** Consent of Instructor

**CSRV 2000 - Customer Service**

NEEDS COURSE DESCRIPTION

**ENTP 1000 - Entrepreneurship**
May Be Substituted:

With approval from the Chief Academic Officer/designee, the following courses may be substituted for any of the above course requirements.

- SPPR 2991 - Special Projects I 1 hr./30 clock hrs.
- SPPR 2993 - Special Projects II 2 hrs./60 clock hrs.
- SPPR 2995 - Special Projects III 3 hrs./90 clock hrs.
- SPPR 2996 - Special Projects IV 3 hrs./45 clock hrs.
- SPPR 2998 - Special Projects V 1 hr./15 clock hrs.
- SPPR 2997 - Practicum 3 hrs./135 clock hrs.
- SPPR 2999 - Cooperative Education 3 hrs./135 clock hrs.

Electrician, T.D.

Program Type: Technical Diploma (TD)
Program Length: As follows

- **Industrial Electrician**: 47 Credit Hours/1425 Clock Hours
- **Marine Electrician**: 50 Credit Hours/1530 Clock Hours
- **Commercial Wiring I**: 47 Credit Hours/1425 Clock Hours
- **Commercial Wiring II**: 45 Credit Hours/1365 Clock Hours

Program Description

The purpose of this program is to provide a basic core of specialized instruction and practical shop experience to prepare students for employment in electrical trades.

Students who complete the basic core may choose any of the specialty areas. Specialty areas prepare the graduate as an Industrial Electrician, Marine Electrician, or Commercial Electrician.

The Industrial Electrician course will prepare individuals to install, troubleshoot, and repair wiring, electrical equipment, and other electrical devices used in the industrial environment, such as motors (AC and DC drives), transformers, control systems, instruments, PLC's, and lighting systems.

The Marine Electricity program prepares individuals to install and repair wiring fixtures, and equipment for electrical services aboard ships and in shipyard facilities. Marine wiring methods and equipment will also be covered.

The Commercial Electricity program generally prepares individuals to install, maintain, troubleshoot, and repair electrical devices, components, and equipment that are utilized in residential and commercial electrical systems. Students have two options to complete this diploma: by course work, or by employment in a work-based course with an electrical contractor.

All program specialties emphasize safe and efficient work practices, basic occupational skills, and are organized into competency-based courses that specify occupational competencies, which the student must successfully complete. Each area includes a study of all applicable codes and standards, blueprint reading, wiring diagrams, and installations which are appropriate to the area. All work is performed with an emphasis on shop and work safety.

Electrician Course Listing
TCA - Electrician Helper

ORNT 1000 - Freshman Seminar

Total Credits = Cr. 1
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.
  • ELEC 1120 - Basic Electricity 6 hrs./150 clock hrs.
  • ELEC 1210 - Residential Wiring 6 hrs./150 clock hrs.

Total: 13 hrs./315 clock hrs.

CTS - Residential Electrician

Basic Electrical Core
  • ELEC 2460 - Technical Mathematics for Electricians 2 hrs./45 clock hrs.
  • ELEC 1220 - Electrical Raceways 3 hrs./90 clock hrs.
  • ELEC 1230 - National Electrical Code 2 hrs./90 clock hrs.
  • ELEC 1311 - Residential Wiring Installation 6 hrs./165 clock hrs.
  • ELEC 1430 - Blueprint Interpretation 3 hrs./75 clock hrs.

CPTR 1000 - Introduction To Computers

Total Credits = Cr. 2
Lecture = Lec. 1; Laboratory = Lab. 1;

An introductory study of computer system components, operating system environments. Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

Prerequisites: None

JOBS 2450 - Job Seeking Skills
This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 33 hrs./ 855 clock hrs.

Technical Diplomas

Technical Diplomas in specialized areas require the completion of the basic core courses.

Plus the completion of specialty courses listed in the following groups:

TD - Industrial Electrician

- ELEC 1330 - Generators/Motors and Transformer Operation 2 hrs./ 90 clock hrs.
- ELEC 1420 - Introduction to Motor Controls 2 hrs./ 90 clock hrs.
- ELEC 1440 - Motor Controls 3 hrs./ 135 clock hrs.
- ELEC 2520 - Solid State Theory 3 hrs./ 75 clock hrs.
- ELEC 2540 - Logic Functions 2 hrs./ 90 clock hrs.
- ELEC 2720 - Introduction to Programmable Logic Controllers 2 hrs./ 90 clock hrs.

Total: 47 hrs./ 1425 clock hrs.

TD - Commercial Wiring

- ELEC 1410 - Commercial Wiring 5 hrs./ 195 clock hrs.

Total: 45 hrs./ 1365 clock hrs.

Optional Elective:
CSRV 1000 - Customer Service

Total Credits = Cr: 3  
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

Prerequisites: Consent of Instructor

May Be Substituted:

With approval from the Chief Academic officer/designee, the following courses may be substituted for the above course requirements

- ELEC 2991 - Special Projects I 1 hr./ 30 clock hrs.
- ELEC 2993 - Special Projects II 2 hrs./ 60 clock hrs.
- ELEC 2995 - Special Projects III 3 hrs./ 90 clock hrs.
- ELEC 2996 - Special Projects IV 3 hrs./ 45 clock hrs.
- ELEC 2997 - Practicum 3 hrs./ 135 clock hrs.
- ELEC 2999 - Cooperative Education 3 hrs./ 135 clock hrs.

Industrial Electronics Technology, A.A.S.

Program Type: Associate of Applied Science (AAS)  
Program Length: 60 Credit Hours/1575 Clock Hours

Program Description

The Industrial Electronics Technology program generally prepares individuals to assemble, install, operate, maintain, and repair electrical/electronic equipment used in business and industry. This course includes instruction, on actual equipment or associated trainers, relating to power supplies, amplifiers, motors, digital and computer circuitry, programmable controllers, computer peripherals, general robotic applications, lasers, fiber optics, communication systems, and video systems.

Industrial Electronics Technology Course Listing

TCA - Basic Electricity Technician

ORNT 1000 - Freshman Seminar

Total Credits = Cr. 1
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

- ETRN 1000 - Occupational Safety 2 hrs./ 30 clock hrs.
- MATH 1110 - Technical Math I 3 hrs./ 45 clock hrs.
- ETRN 1125 - Basic Electricity (AC/DC Circuits) 4 hrs./ 150 clock hrs.

Total: 10 hrs./ 240 clock hrs.

CTS - Basic Electronics Technician

- ETRN 1215 - Basic Electronics (Semiconductors & Transistors) 4 hrs./ 150 clock hrs.
- ETRN 1235 - Digital Circuits I & II 4 hrs./ 150 clock hrs.

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 20 hrs./ 570 clock hrs.

TD - Industrial Electronics Technician

- ETRN 2110 - Introduction to Programmable Controllers 4 hrs./ 150 clock hrs.
- ETRN 2130 - Telecommunications 3 hrs./ 90 clock hrs.
- Electronics Elective 3 hrs./ 90 clock hrs.
Electronics Elective 3 hrs./90 clock hrs.
Electronics Elective 3 hrs./90 clock hrs.
Electronics Elective 3 hrs./90 clock hrs.
Electronics Elective 3 hrs./90 clock hrs.
Electronics Elective 3 hrs./90 clock hrs.

Total: 45 hrs./1350 clock hrs.

AAS - Industrial Electronics Technology

Required General Education Courses:

**ENGL 1015 - English Composition I**

*Total Credits = Cr: 3  
Lecture = Lec: 3*

The study of the basic rhetorical modes of English composition with emphasis on prewriting, writing, and revising techniques utilizing correct English grammar, usage, and punctuation. Prerequisites: English score of at least 20 on the Enhanced ACT, successful completion of Developmental English, or permission of the campus CAO.

**MATH 1015 - College Algebra**

*Total Credits = Cr: 3  
Lecture = Lec: 3;*

Linear and quadratic equations and inequalities, radical and rational equations, complex numbers, graphing, functions, exponential and logarithmic functions, polynomial equations, systems of linear equations and inequalities.

*Prerequisites:* Math score of at least 21 on the Enhanced ACT, successful completion of Developmental Math, or permission of the campus CAO

**PSYC 2015 - Introduction To Psychology**

*Total Credits = Cr: 3  
Lecture = Lec: 3;*

An overview of psychology designed to expose students to the major theories, research practices, and applied areas of psychology.

**PHSC 1015 - Physical Science I**
Total Credits = Cr: 3
Lecture = Lec: 3;

Introductory study of topics in physical science including motion, energy, temperature, light and sound, electricity, and atomic structure.

SPCH 1015 - Introduction To Public Speaking

Total Credits = Cr: 3
Lecture = Lec: 3;

Designed to teach students basic public presentation principles and skills. Students complete one speech each of personal introduction, information, persuasion, demonstration, and special occasion (influential person).

Total: 60 hrs./ 1575 clock hrs.

Electronics Electives:

CPTR 1000 - Introduction To Computers

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introductory study of computer system components, operating system environments. Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

Prerequisites: None

- ETRN 1250 - Digital Electronics (Microprocessors) 3 hrs./ 90 clock hrs.
- ETRN 2120 - Communications Principles and Systems 3 hrs./ 90 clock hrs.
- ETRN 2140 - Computer Systems and Interfacing 3 hrs./ 90 clock hrs.
- ETRN 2520 - Video Principles and Systems 3 hrs./ 90 clock hrs.
- ETRN 2720 - Motors and Generators 3 hrs./ 90 clock hrs.
- ETRN 2800 - Electronic Troubleshooting I 3 hrs./ 90 clock hrs.
- ETRN 2700 - Generators and Transformers 2 hrs./ 90 clock hrs.
- ETRN 2600 - Motor Controls and Interlocks 2 hrs./ 90 clock hrs.
- ETRN 2710 - Introduction to Networking 3 hrs./ 90 clock hrs.
- ETRN 2620 - Introduction to Robotics 3 hrs./ 90 clock hrs.
- ETRN 2715 - Microwave Communications 3 hrs./ 90 clock hrs.
- ETRN 2725 - Computer Peripherals 3 hrs./ 90 clock hrs.
- ETRN 2830 - Voice and Data Cabling 4 hrs./ 90 clock hrs.
- ETRN 2840 - Electronic Troubleshooting II 3 hrs./ 90 clock hrs.
• ETRN 1100 - Computer Maintenance I 3 hrs./ 90 clock hrs.
• ETRN 1101 - Computer Maintenance Lab I 1 hr./ 30 clock hrs.
• ETRN 1110 - Computer Maintenance II 3 hrs./ 90 clock hrs.
• ETRN 1111 - Computer Maintenance Lab II 1 hr./ 30 clock hrs.
• ETRN 2730 - Advanced Networking 4 hrs./ 90 clock hrs.
• ETRN 2810 - Advanced Programmable Logic Controls 3 hrs./ 90 clock hrs.
• IPC Certification (2/2/4 crhrs/90 clock hrs)

Optional Elective:

**CSRV 1000 - Customer Service**

Total Credits = Cr: 3  
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

**Prerequisites:** Consent of Instructor

**CSRV 2000 - Customer Service**

NEEDS COURSE DESCRIPTION

**ENTP 1000 - Entrepreneurship**

NEEDS COURSE DESCRIPTION

May Be Substituted:

With approval from the Chief Academic Officer/designee, the following courses may be substituted for any of the above course requirements.

• SPPR 2991 - Special Projects I 1 hr./ 30 clock hrs.
• SPPR 2993 - Special Projects II 2 hrs./ 60 clock hrs.
• SPPR 2995 - Special Projects III 3 hrs./ 90 clock hrs.
• SPPR 2996 - Special Projects IV 3 hrs./ 45 clock hrs.
• SPPR 2998 - Special Projects V 1 hr./ 15 clock hrs.
• SPPR 2997 - Practicum 3 hrs./ 135 clock hrs.
• SPPR 2999 - Cooperative Education 3 hrs./ 135 clock hrs.
Industrial Instrumentation Technology, A.A.S.

Program Type: Associate of Applied Science (AAS)
Program Length: 75 Credit Hours/1980 Clock Hours

Program Description

This program prepares individuals to maintain, adjust, install, calibrate, and repair industrial measuring and control instruments. The instruments measure and control things such as the flow rate, and pressure and temperature of liquids or gases in industrial processing plants.

Industrial Instrumentation Technology Course Listing

TCA - Basic Electronic Repair

ORNT 1000 - Freshman Seminar

Total Credits = Cr. 1
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

- ETRN 1120 - Fundamentals of Direct Current Circuits 3 hrs./ 75 clock hrs.
- ETRN 1130 - Fundamentals of Alternating Current Circuits 3 hrs./ 75 clock hrs.
- ETRN 1210 - Fundamentals of Semiconductors 3 hrs./ 75 clock hrs.
- ETRN 1220 - Transistor Circuits 3 hrs./ 75 clock hrs.

JOBS 2450 - Job Seeking Skills

Total Credits = Cr. 2
Lecture = Lec. 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.
Prerequisites: None

Total: 15 hrs./ 345 clock hrs.

CTS - Industrial Electronic Repair

- ETRN 1230 - Digital Circuits I 3 hrs./ 75 clock hrs.
- ETRN 1240 - Digital Circuits II 3 hrs./ 75 clock hrs.
- INST 2620 - Motor Controls, Circuitry 3 hrs./ 90 clock hrs.
- INST 2630 - Variable Speed Drives 2 hrs./ 90 clock hrs.

CPTR 1000 - Introduction To Computers

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introductory study of computer system components, operating system environments. Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

Prerequisites: None

Total: 28 hrs./ 720 clock hrs.

TD - Industrial Instrumentation Technician

- INST 1110 - Introduction to Industrial Instrumentation 2 hrs./ 90 clock hrs.
- INST 1310 - Pressure Measurement 2 hrs./ 90 clock hrs.
- INST 1320 - Level Measurement 2 hrs./ 90 clock hrs.
- INST 1410 - Flow Measurement 2 hrs./ 90 clock hrs.
- INST 1420 - Temperature Measurement 2 hrs./ 60 clock hrs.
- INST 2730 - Analytical Measurements 3 hrs./ 75 clock hrs.
- INST 1430 - Final Elements 3 hrs./ 75 clock hrs.
- INST 2610 - Controllers 3 hrs./ 90 clock hrs.
- INST 2720 - Introduction to Programmable Logic Controls 2 hrs./ 90 clock hrs.
- INST 2810 - Advanced Programmable Logic Controls 3 hrs./ 90 clock hrs.
- INST 2820 - Principles of Process Control 3 hrs./ 90 clock hrs.
- INST 2830 - Analog Control Systems 3 hrs./ 90 clock hrs.
- INST 2840 - Digital Control Systems 3 hrs./ 90 clock hrs.
Total: 60 hrs./ 1755 clock hrs.

AAS – Industrial Instrumentation Technology

ENGL 1015 - English Composition I

Total Credits = Cr: 3
Lecture = Lec: 3

The study of the basic rhetorical modes of English composition with emphasis on prewriting, writing, and revising techniques utilizing correct English grammar, usage, and punctuation. Prerequisites: English score of at least 20 on the Enhanced ACT, successful completion of Developmental English, or permission of the campus CAO.

MATH 1015 - College Algebra

Total Credits = Cr: 3
Lecture = Lec: 3

Linear and quadratic equations and inequalities, radical and rational equations, complex numbers, graphing, functions, exponential and logarithmic functions, polynomial equations, systems of linear equations and inequalities.

Prerequisites: Math score of at least 21 on the Enhanced ACT, successful completion of Developmental Math, or permission of the campus CAO

PSYC 2015 - Introduction To Psychology

Total Credits = Cr: 3
Lecture = Lec: 3;

An overview of psychology designed to expose students to the major theories, research practices, and applied areas of psychology.

PHSC 1015 - Physical Science I

Total Credits = Cr: 3
Lecture = Lec: 3;

Introductory study of topics in physical science including motion, energy, temperature, light and sound, electricity, and atomic structure.
SPCH 1015 - Introduction To Public Speaking

Total Credits = Cr: 3  
Lecture = Lec: 3;

Designed to teach students basic public presentation principles and skills. Students complete one speech each of personal introduction, information, persuasion, demonstration, and special occasion (influential person).

Total: 75 hrs./ 1980 clock hrs.

Industrial Maintenance Technology, T.D.

Program Type: Technical Diploma (TD)  
Program Length: 60 Credit Hours/1830 Clock Hours

Program Description

The purpose of this program is to provide specialized classroom instruction and practical shop experience to prepare students for employment in a variety of jobs in the industrial maintenance field.

The Industrial Maintenance Technology program prepares individuals to install, repair, and maintain industrial machinery and equipment such as pumps, motors, pneumatic and hydraulic systems, and production machinery. It includes instruction in testing, adjusting, and repairing pneumatic and hydraulic systems, attaching supplemental equipment such as hoses, valves, gates, mechanical, electrical, and electronic control devices. It also includes instruction in material handling equipment, pipefitting, welding, metal fabrication, and millwright.

Industrial Maintenance Technology Course Listing

TCA - Fabrication Apprentice

ORNT 1000 - Freshman Seminar

Total Credits = Cr. 1  
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities
include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

- IMMT 1110 - Introduction to Industrial Maintenance Technology 1 hr./ 15 clock hrs.

**CPTR 1000 - Introduction To Computers**

**Total Credits = Cr: 2**
Lecture = Lec: 1; Laboratory = Lab: 1;

An introductory study of computer system components, operating system environments. Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

**Prerequisites:** None
- IMMT 1111 - Welding I 3 hrs./ 135 clock hrs.
- IMMT 1112 - Welding II 2 hrs./ 90 clock hrs.
- IMMT 1120 - Blueprint Reading 2 hrs./ 30 clock hrs.
- IMMT 1121 - Metal Fabrication 3 hrs./ 105 clock hrs.

Total: 14 hrs./ 435 clock hrs.

The above TCA plus one of the four possible Sequences of courses shown below, results in the CTS as indicated.

**CTS - Pneumatic Hydraulic Apprentice**

**Sequence A - Pneumatic Hydraulic Apprentice:**

- IMMT 1210 - Material Handling 2 hrs./ 30 clock hrs.
- IMMT 1220 - Pneumatics 3 hrs./ 45 clock hrs.
- IMMT 1221 - Pneumatics Application 2 hrs./ 90 clock hrs.
- IMMT 1230 - Hydraulics 3 hrs./ 45 clock hrs.
- IMMT 1231 - Hydraulics Application 3 hrs./ 135 clock hrs.
- IMMT 1241 - Hydraulics Troubleshooting Projects 3 hrs./ 135 clock hrs.

Total: 16 hrs./ 480 clock hrs.

**Total: 30 hrs./ 915 clock hrs.**

**CTS - Millwright Apprentice**
Sequence B - Millwright Apprentice:

- IMMT 1311 - Pipefitting 2 hrs./ 60 clock hrs.
- IMMT 1320 - Millwright I 3 hrs./ 45 clock hrs.
- IMMT 1321 - Millwright I LAB 2 hrs./ 90 clock hrs.
- IMMT 1330 - Millwright II 2 hrs./ 30 clock hrs.
- IMMT 1331 - Millwright II Lab 3 hrs./ 135 clock hrs.

Total: 12 hrs./ 360 clock hrs.

Total: 26 hrs./ 795 clock hrs.

CTS - Electrical Maintenance

Sequence C - Electrical Maintenance:

- IMMT 1410 - Basic Electricity 1 hr./ 15 clock hrs.
- IMMT 1411 - Basic Electricity Lab 3 hrs./ 90 clock hrs.
- IMMT 1421 - Industrial Electricity 4 hrs./ 120 clock hrs.
- IMMT 1430 - Motor Controls 4 hrs./ 180 clock hrs.
- IMMT 1441 - Programmable Logic Controllers 4 hrs./ 120 clock hrs.

Total: 16 hrs./ 525 clock hrs.

Total: 30 hrs./ 960 clock hrs.

CTS - Petrochemical Maintenance

Sequence D - Petrochemical Maintenance:

- IMMT1410 - Basic Electricity 1 hr./ 15 clock hrs.
- IMMT1500 - Advanced Pipefitting 4 hrs./ 120 clock hrs.
• IMMT1501 - Preventive Maintenance 4 hrs./ 180 clock hrs.
• IMMT1502 - Rigging 4 hrs./ 120 clock hrs.
• IMMT1503 - Plant Equipment 3 hrs./ 90 clock hrs.

Total: 16 hrs./ 525 clock hrs.

Total: 30 hrs./ 960 clock hrs.

TD - Industrial Maintenance Technology

(composed of the TCA plus Sequence A, Sequence B, Sequence C or D, and JOB SEEKING SKILLS.)

The following courses may be available as multiple as one-hour courses on some LTC campuses: WELDING I, WELDING II, METAL FABRICATION, PNEUMATICS APPLICATION, HYDRAULICS APPLICATION, HYDRAULICS TROUBLESHOOTING, PIPEFITTING, MILLWRIGHT I LAB, MILLWRIGHT II LAB, BASIC ELECTRICITY LAB, INDUSTRIAL ELECTRICITY, MOTOR CONTROLS, & PROGRAMABLE LOGIC CONTROLLERS.

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

Prerequisites: None

Total: 60 hrs./ 1830 clock hrs.

Optional Elective:

CSRV 1000 - Customer Service
Total Credits = Cr: 3
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

Prerequisites: Consent of Instructor

CSRV 2000 - Customer Service

NEEDS COURSE DESCRIPTION

ENTP 1000 - Entrepreneurship

NEEDS COURSE DESCRIPTION

May Be Substituted:

With approval from the Chief Academic Officer/designee, the following courses may be substituted for any of the above course requirements.

- IMMT 1131 - Advanced Metal Fabrication 3 hrs./ 135 clock hrs.
- IMMT 2991 - Special Projects I 1 hr./ 30 clock hrs.
- IMMT 2993 - Special Projects II 2 hrs./ 60 clock hrs.
- IMMT 2995 - Special Projects III 3 hrs./ 90 clock hrs.
- IMMT 2996 - Special Projects IV 3 hrs./ 45 clock hrs.
- IMMT 2997 - Practicum 3 hrs./ 135 clock hrs.
- IMMT 2999 - Cooperative Education 3 hrs./ 135 clock hrs.

Welding, T.D.

Program Type: Technical Diploma (TD)
Program Length: 60 Credit Hours/1800 Clock Hours

Program Description

The purpose of the Welding Program is to prepare individuals for employment in the field of welding. Instruction is provided in various processes and techniques of welding including oxy-fuel cutting, carbon arc cutting, shielded metal arc welding, gas tungsten arc welding, flux-cored arc welding, gas metal arc welding, pipe-welding, plasma arc cutting, blueprint reading, weld symbols, and joints. After completion of this program, the student will have covered the skills designated by the AWS (American Welding Society) and will be prepared to take the AWS Entry Level Welder test.

Welding Course Listing
Program Core:

**WELD 1110 - Occupational Orientation & Safety**

Total Credits = Cr: 3  
Lecture = Lec: 2; / Laboratory = Lab: 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

Prerequisites: Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

**WELD 1120 - Basic Blueprint, Metallurgy & Welding Symbols**

Total Credits = Cr: 3  
Lecture = Lec: 2; / Laboratory = Lab: 1;

This course provides instruction and review of basic construction mathematics, weld symbol interpretation, reading welding detail drawings, basic metallurgy, metal identification, and heat treatment of metals.

Prerequisites: WELD 1110 plus meets minimum approved Math entrance score, and consent of the Instructor/Advisor.

**WELD 1130 - Welding Inspection & Testing**

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to codes, standards, and agencies regulating the welding industry, a review of weld quality standards, concepts in proper visual and destructive testing methods, and a study of proper base metal preparation and joint fit-up.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1140 - Electrical Fundamentals**

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including
welding related equipment connection and a review of tools used in welding procedures.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1210 - Oxyfuel Systems**

Total Credits = Cr:2  
Lecture = Lec: 1; / Laboratory = Lab:1;  
An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practice cutting mild steel using both the manual and machine process.  
Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1310 - Cutting Processes - CAC/PAC**

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;  
An introduction to the principals of safely operating Air Carbon Arc Cutting (CAC-A) and Plasma Arc Cutting (PAC) equipment including practice cutting and gouging ferrous and non-ferrous metals. 
Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1410 - SMAW - Basic Beads**

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;  
An introduction to the principals of Shielded Metal Arc Welding (SMAW), component and consumable identification including the safe setup of equipment and practice of welding stinger beads, weave beads, and overlapping beads in various positions using various electrodes.  
Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1411 - SMAW - Fillet Weld**

Total Credits = Cr: 3  
Lecture = Lec: 0 / Laboratory = Lab: 3  
Safely setup and operate Shielded Metal Arc Welding (SMAW) equipment with practice of single and multi-pass fillet welds in the flat, horizontal, vertical, and overhead positions using various electrodes.  
Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.
WELD 1412 - SMAW - V-Groove Bu/Gouge

Total Credits = Cr: 3
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Shielded Metal Arc Welding (SMAW) equipment with practice of V-Groove welds with a backing or back gouging in the flat, horizontal, vertical, and overhead positions using various electrodes.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2110 - FCAW - Basic Fillet Welds

Total Credits = Cr: 3
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Flux Core Arc Welding (FCAW), component and consumable identification including the safe setup of equipment and practice of fillet welds in the flat, vertical, horizontal, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2111 - FCAW - Groove Welds

Total Credits = Cr: 3
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Flux Core Arc Welding (FCAW) equipment with practice of V-Groove welds with a backing or back gouging in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2210 - GTAW - Multi-joint

Total Credits = Cr: 3
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Gas Tungsten Arc Welding (GTAW), component and consumable identification including the safe setup of equipment and practice of welding beads (fillet welds), and groove welds in the flat, vertical, horizontal, and overhead positions using carbon steel consumables.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2230 - GTAW - Aluminum Multi-joint
An introduction to the principals of Gas Tungsten Arc Welding Aluminum (GTAW-A), component and consumable identification including the safe setup of equipment and practice of welding fillet and groove welds in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2310 - GMAW - Basic Fillet Weld

An introduction to the principals of Gas Metal Arc Welding (GMAW), types of weld transfer, weld quality, and component and consumable identification including the safe setup of equipment and practice of welding fillet welds in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2311 - GMAW - Groove Weld

Safely setup and operate Gas Metal Arc Welding (GMAW) equipment with practice of open V-Groove welds in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

CPTR 1000 - Introduction To Computers

An introductory study of computer system components, operating system environments. Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

Prerequisites: None

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

**Prerequisites:** None

**Total:** 44 hrs./1320 clock hrs.

**Required Electives:**

**SMAW Process**

**WELD 1420 - SMAW - V-Groove Open**

**Total Credits = Cr: 4**  
Lecture = Lec: 1; Laboratory = Lab: 3;

An introduction to the safe setup of equipment and principals of Shielded Metal Arc Welding (SMAW) for open V-Groove welds, joint preparation, proper weld quality, qualification testing, and practice welding open V-Groove welds in the flat, horizontal, vertical, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1510 - SMAW - Pipe 2G**

**Total Credits = Cr: 4**  
Lecture = Lec: 1; Laboratory = Lab: 3;

An introduction to the safe setup of equipment and principals of Shielded Metal Arc Welding of Pipe (SMAW-Pipe) in the 2G vertical fixed position, joint preparation, proper weld quality, qualification testing, and practice welding Shielded Metal Arc Welding of Pipe (SMAW-Pipe) in the 2G vertical fixed position.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.
WELD 1511 - SMAW - Pipe 5G

Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup equipment and apply principals of Shielded Metal Arc Welding of Pipe (SMAW-Pipe) in the 5G horizontal fixed position, review joint preparation, review proper weld quality and qualification testing, and practice welding Shielded Metal Arc Welding of Pipe (SMAW-Pipe) in the 5G horizontal fixed position.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1512 - SMAW - Pipe 6G

Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup equipment and apply principals of Shielded Metal Arc Welding of Pipe (SMAW-Pipe) in the 6G - 45° fixed position, review joint preparation, review proper weld quality and qualification testing, and practice welding Shielded Metal Arc Welding of Pipe (SMAW-Pipe) in the 6G - 45° fixed position.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1610 - SMAW Stainless Steel (SMAW-SS) Multi-joint

Total Credits = Cr: 4
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Shielded Metal Arc Welding Stainless Steel (SMAW-SS), component and consumable identification including the safe setup of equipment and practice of groove welds in the flat, vertical, horizontal, and overhead positions using stainless steel consumables.

Prerequisites: WELD 1110, WELD 1420 or WELD 2885 and the consent of the Instructor/Advisor.

WELD 1620 - SMAW Stainless Steel (SMAW-SS) 5G Pipe

Total Credits = Cr: 4
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the safe setup of equipment and principals of Shielded Metal Arc Welding of Stainless Steel Pipe (SMAW-SS Pipe) in the 5G horizontal fixed position, joint preparation, proper weld quality, qualification testing, and practice welding Shielded Metal Arc Welding of Stainless Steel Pipe (SMAW-SS Pipe) in the 5G horizontal fixed position.

Prerequisites: WELD 1110, WELD 1610, WELD 1510, WELD 1511, WELD 1512, or WELD 2885 and the consent of the Instructor/Advisor.
WELD 1621 - SMAW Stainless Steel (SMAW-SS) 2G Pipe

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup equipment and apply principals of Shielded Metal Arc Welding of Stainless Steel Pipe (SMAW-SS Pipe) in the 2G vertical fixed position, review joint preparation, review proper weld quality and qualification testing, and practice welding Shielded Metal Arc Welding of Stainless Steel Pipe (SMAW-SS Pipe) in the 2G vertical fixed position.

Prerequisites: WELD 1110, WELD 1610, WELD 1510, WELD 1511, WELD 1512 or WELD 2885 and the consent of the Instructor/Advisor.

WELD 1622 - Smaw Stainless Steel (SMAW-SS) 6G Pipe

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup equipment and apply principals of Shielded Metal Arc Welding of Stainless Steel Pipe (SMAW-SS Pipe) in the 6G - 45° fixed position, review joint preparation, review proper weld quality and qualification testing, and practice welding Shielded Metal Arc Welding of Stainless Steel Pipe (SMAWSS Pipe) in the 6G - 45° fixed position.

Prerequisites: WELD 1110, WELD 1610, WELD 1510, WELD 1511, WELD 1512 or WELD 2885 and the consent of the Instructor/Advisor.

FCAW Process

WELD 2112 - FCAW - Pipe 5G

Total Credits = Cr: 4  
Lecture = Lec: 1; / Laboratory = Lab: 3;

Safely setup and operate Flux Core Arc Welding pipe (FCAW-Pipe) equipment, proper assembly of a 5G - horizontal fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 5G pipe joint.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2113 - FCAW - Pipe 2G

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Flux Core Arc Welding pipe (FCAW-Pipe) equipment, proper assembly of a 2G – vertical fixed position
pipe joint, proper weld quality, safe setup of equipment and practice welding a 2G pipe joint.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2114 - FCAW - Pipe 6G**

**Total Credits = Cr: 4**
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Flux Core Arc Welding pipe (FCAW-Pipe) equipment, proper assembly of a 6G(R) - 45° fixed position pipe joint with/without a restriction ring, proper weld quality, safe setup of equipment and practice welding a 6G(R) pipe joint.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**GTAW Process**

**WELD 2220 - GTAW - Pipe 5G**

**Total Credits = Cr: 4**
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Gas Tungsten Arc Welding of Pipe (GTAW-Pipe) in the 5G horizontal fixed position, proper assembly of a 5G pipe joint, proper weld quality, safe setup of equipment and practice welding a 5G horizontal fixed position pipe joint.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2221 - GTAW - Pipe 2G**

**Total Credits = Cr: 4**
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Gas Tungsten Arc Welding Pipe (GTAW-Pipe) equipment, proper assembly of a 2G vertical fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 2G vertical fixed position pipe joint.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2222 - GTAW - Pipe 6G**

**Total Credits = Cr: 4**
Lecture = Lec: 0; / Laboratory = Lab: 4;

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2240 - GTAW Low Alloy (GTAW-LA) 5G Pipe**

**Total Credits = Cr: 4**
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Gas Tungsten Arc Welding of Low Alloy Pipe (GTAW- Low Alloy Pipe) in the 5G horizontal fixed position, proper assembly of a 5G pipe joint, proper weld quality, protecting the root, safe setup of equipment and practice welding a 5G horizontal fixed position pipe joint.

**Prerequisites:** WELD 1110, WELD 2220, WELD 2221, WELD 2222 or WELD 2885 and the consent of the Instructor/Advisor.

**WELD 2241 - GTAW Low Alloy (GTAW-LA) 2G Pipe**

**Total Credits = Cr: 4**
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Gas Tungsten Arc Welding Low Alloy pipe (GTAWLow Alloy Pipe) equipment, proper assembly of a 2G vertical fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 2G vertical fixed position pipe joint.

**Prerequisites:** WELD 1110, WELD 2240 or WELD 2885 and the consent of the Instructor/Advisor.

**WELD 2242 - GTAW Low Alloy (GTAW-LA) 6G Pipe**

**Total Credits = Cr: 4**
Lecture = Lec: 0; / Laboratory = Lab: 4


**Prerequisites:** WELD 1110, WELD 2240 or WELD 2885 and the consent of the Instructor/Advisor.

**WELD 2250 - GTAW Stainless Steel (GTAW-SS) 5G Pipe**

**Total Credits = Cr: 4**
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Gas Tungsten Arc Welding of Stainless Steel Pipe (GTAW- Stainless Steel Pipe) in the 5G
horizontal fixed position, proper assembly of a 5G pipe joint, proper weld quality, protecting the root, safe setup of equipment and practice welding a 5G horizontal fixed position pipe joint.

**Prerequisites or Corequisites:** WELD 1110, WELD 2220, WELD 2221, WELD 2222 or WELD 2885 and the consent of the Instructor/Advisor.

**Prerequisites:** WELD 1110, WELD 2220, WELD 2221, WELD 2222 or WELD 2885 and the consent of the Instructor/Advisor.

**WELD 2251 - GTAW Stainless Steel (GTAW-SS) 2G Pipe**

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Gas Tungsten Arc Welding Stainless Steel pipe (GTAW- Stainless Steel Pipe) equipment, proper assembly of a 2G vertical fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 2G vertical fixed position pipe joint.

**Prerequisites:** WELD 1110, WELD 2250 or WELD 2885 and the consent of the Instructor/Advisor.

**WELD 2252 - GTAW Stainless Steel (GTAW-SS) 6G Pipe**

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;


**Prerequisites:** WELD 1110, WELD 2250 or WELD 2885 and the consent of the Instructor/Advisor.

**WELD 2260 - GTAW Aluminum (GTAW-AL) 5G Pipe**

Total Credits = Cr: 4  
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Gas Tungsten Arc Welding of Aluminum Pipe (GTAW- Aluminum Pipe) in the 5G horizontal fixed position, proper assembly of a 5G pipe joint, proper weld quality, protecting the root, safe setup of equipment and practice welding a 5G horizontal fixed position pipe joint.

**Prerequisites:** WELD 1110, WELD 2230, WELD 2220, WELD 2221, WELD 2222 or WELD 2885 WELD 2885 and the consent of the Instructor/Advisor.

**WELD 2261 - GTAW Aluminum (GTAW-AL) 2G Pipe**

Total Credits = Cr: 4
Safely setup and operate Gas Tungsten Arc Welding Aluminum pipe (GTAW-Aluminum Pipe) equipment, proper assembly of a 2G vertical fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 2G vertical fixed position pipe joint.

Prerequisites: WELD 1110, WELD 2260 or WELD 2885 and the consent of the Instructor/Advisor.

WELD 2262 - GTAW Aluminum (GTAW-AL) 6G Pipe

Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4;


Prerequisites: WELD 1110, WELD 2260 or WELD 2885 and the consent of the Instructor/Advisor.

GMAW Process

WELD 2320 - GMAW - Pipe 2G

Total Credits = Cr: 4
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Gas Metal Arc Welding of Pipe (GMAW-Pipe) in the 2G vertical fixed position, proper assembly of a 2G pipe joint, proper weld quality, safe setup of equipment, and practice welding a 2G vertical fixed position pipe joint.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2321 - GMAW - Pipe 5G

Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Gas Metal Arc Welding pipe (GMAW-Pipe) equipment, proper assembly of a 5G horizontal fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 5G horizontal fixed position pipe joint.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2322 - GMAW - Pipe 6G
Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4;


Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2330 - GMAW - Aluminum Multi-joint

Total Credits = Cr: 4
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Gas Metal Arc Welding Aluminum (GMAW-A), component and consumable identification including the safe setup of equipment and practice of welding beads, fillet welds, and groove welds in the flat, vertical, horizontal, and overhead position.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2340 - GMAW Aluminum (GMAW-AL) 5G Pipe

Total Credits = Cr: 4
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Gas Metal Arc Welding of Aluminum Pipe (GMAW- Aluminum Pipe) in the 5G horizontal fixed position, proper assembly of a 5G pipe joint, proper weld quality, protecting the root, safe setup of equipment and practice welding a 5G horizontal fixed position pipe joint.

Prerequisites: WELD 1110, WELD 2330, WELD 2320, WELD 2321, WELD 2322 or WELD 2885 and the consent of the Instructor/Advisor.

WELD 2341 - GMAW Aluminum (GMAW-AL) 2G Pipe

Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Gas Metal Arc Welding Aluminum pipe (GMAWAluminum Pipe) equipment, proper assembly of a 2G vertical fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 2G vertical fixed position pipe joint.

Prerequisites: WELD 1110, WELD 2340 or WELD 2885 and the consent of the Instructor/Advisor.

WELD 2342 - GMAW Aluminum (GMAW-AL) 6G Pipe

Prerequisites: WELD 1110, WELD 2340 or WELD 2885 and the consent of the Instructor/Advisor.

Advanced Procedures

WELD 1121 - Advanced Blueprint Reading

Total Credits = Cr: 4
Lecture = Lec: 2; / Laboratory = Lab: 2;

Instruction in this course includes a review of basic blueprint reading and an introduction to advanced blueprint layout, concepts, nomenclature, mark-up, and sketching specifications. Advanced disciplines covered may include Architectural, Civil, Electronics, Manufacturing, and Marine, Piping, Structural, ISO (International Standards Organization) or other industry specific disciplines.

Prerequisites: WELD 1110, WELD 1120 plus meets minimum approved Math entrance score, and consent of the Instructor/Advisor.

WELD 2410 - Automated Welding Processes

Total Credits = Cr: 3
Lecture = Lec: 2; / Laboratory = Lab: 1;

An introduction to automated welding processes including a review of fundamental automated welding process knowledge, welding procedures, joint design, equipment set-up and operation. Process applications may include but are not limited to SAW (Submerged Arc Welding), FCAW (Flux-Core Arc Welding), GMAW (Gas Metal Arc Welding), and GTAW (Gas Tungsten Arc Welding).

Prerequisites: WELD 1110 and consent of the Instructor/Advisor.

WELD 2420 - Construction Procedures I

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in construction procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by
the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

### WELD 2421 - Construction Procedures II

**Total Credits = Cr: 2**

Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in construction procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

### WELD 2422 - Construction Procedures III

**Total Credits = Cr: 2**

Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in construction procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

### WELD 2423 - Construction Procedures IV

**Total Credits = Cr: 2**

Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in construction procedures, related performance skills, and/or
industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

---

**WELD 2430 - Maintenance Procedures I**

**Total Credits = Cr: 2**  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in maintenance procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

---

**WELD 2431 - Maintenance Procedures II**

**Total Credits = Cr: 2**  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in maintenance procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

---

**WELD 2432 - Maintenance Procedures III**

**Total Credits = Cr: 2**  
Lecture = Lec: 1; / Laboratory = Lab: 1;
This course is designed to introduce a student to advanced skills in maintenance procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)
Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2433 - Maintenance Procedures IV

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in maintenance procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)
Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2440 - Manufacturing Procedures I

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in manufacturing procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)
Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2441 - Manufacturing Procedures II

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;
This course is designed to introduce a student to advanced skills in manufacturing procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2442 - Manufacturing Procedures III

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in manufacturing procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2443 - Manufacturing Procedures IV

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in manufacturing procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2450 - Marine Procedures I

Total Credits = Cr: 2
This course is designed to introduce a student to skills in marine procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 2451 - Marine Procedures II**

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in marine procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 2452 - Marine Procedures III**

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in marine procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 2453 - Marine Procedures IV**
This course is designed to introduce a student to advanced skills in marine procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 2460 - Piping Procedures I**

This course is designed to introduce a student to skills in piping procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 2461 - Piping Procedures II**

This course is designed to introduce a student to advanced skills in piping procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 2462 - Piping Procedures III**
Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in piping procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2463 - Piping Procedures IV

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in piping procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2470 - Pressure Vessel Procedures I

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in pressure vessel procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2471 - Pressure Vessel Procedures II
This course is designed to introduce a student to advanced skills in pressure vessel procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2472 - Pressure Vessel Procedures III

This course is designed to introduce a student to advanced skills in pressure vessel procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2473 - Pressure Vessel Procedures IV

This course is designed to introduce a student to advanced skills in pressure vessel procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2480 - Shipbuilding Procedures I
This course is designed to introduce a student to skills in shipbuilding procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2481 - Shipbuilding Procedures II

This course is designed to introduce a student to advanced skills in shipbuilding procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2482 - Shipbuilding Procedures III

This course is designed to introduce a student to advanced skills in shipbuilding procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2483 - Shipbuilding Procedures IV
Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in shipbuilding procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2490 - Structural Procedures I

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in structural procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2491 - Structural Procedures II

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in structural procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2492 - Structural Procedures III
This course is designed to introduce a student to advanced skills in structural procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

### WELD 2493 - Structural Procedures IV

This course is designed to introduce a student to advanced skills in structural procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

### Approved Electives

#### WELD 2883 - Basic Skills Evaluation

A course designed to assess a student’s life skills in welding and welding related performance and/or knowledge. Specific skills tested will be determined by the instructor and may include any combination of competency indicated in the welding program core curriculum. This assessment will be used to determine a student’s readiness to enter the program at a more advanced skill level.
A course designed to assess a student’s life skills in advanced welding and welding related performance and/or knowledge. Specific skills tested will be determined by the instructor and may include any combination of competency indicated throughout the welding program. This assessment will be used to determine a student’s readiness to enter the program at a more advanced skill level. Note: Documented industry based certifications obtained within the past “6” (six) months may be substituted for skills determination with the instructor’s consent. This course is “NOT” a substitute for taking or challenging a core and/or required electives course and “NO” credit will be given toward a credit course.

**Prerequisites:** Consent of instructor

### WELD 2893 - SMAW Certification Preparation

**Total Credits = Cr: 3**  
Lecture = Lec: 0; / Laboratory = Lab: 3;

A review and practice of skills and procedures associated with advanced Shielded Metal Arc Welding (SMAW) to prepare for industry certification.

**Prerequisites:** Consent of the Instructor/Advisor.

### WELD 2895 - FCAW Certification Preparation

**Total Credits = Cr: 3**  
Lecture = Lec: 0; / Laboratory = Lab: 3;

A review and practice of skills and procedures associated with advanced Shielded Metal Arc Welding (SMAW) to prepare for industry certification.

**Prerequisites:** Consent of the Instructor/Advisor.

### WELD 2897 - GTAW Certification Preparation

**Total Credits = Cr: 3**  
Lecture = Lec: 0; / Laboratory = Lab: 3;

A review and practice of skills and procedures associated with advanced Shielded Metal Arc Welding (SMAW) to prepare for industry certification.

**Prerequisites:** Consent of the Instructor/Advisor.

### WELD 2899 - GMAW Certification Preparation
Total Credits = Cr: 3
Lecture = Lec: 0; / Laboratory = Lab: 3;

A review and practice of skills and procedures associated with advanced Shielded Metal Arc Welding (SMAW) to prepare for industry certification.

Prerequisites: Consent of the Instructor/Advisor.

WELD 2996 - Certification I

Total Credits = Cr: 4
Lecture = Lec: 2; / Laboratory = Lab: 2;

A review of American Welding Society certification requirements, materials and mastered student skills, compare completed records; take an AWS closed book certification exam, and prepare workmanship qualification samples according to the AWS QC10- Entry Level Welder standard.

Prerequisites: Complete Program Core and the consent of the Instructor/ Advisor.

WELD 2997 - Practicum

Total Credits = Cr: 3
Lecture = Lec: 0; / Laboratory = Lab: 3;

A Practicum provides supervised on-the-job work experience related to the student’s education objectives. Students participating in Practicum do not receive compensation.

Prerequisites: Consent of

WELD 2999 - Cooperative Education

Total Credits = Cr: 3
Lecture = Lec: 0; / Laboratory = Lab: 3;

Cooperative Education provides supervised on-the-job work experience related to the student’s educational objectives. Students participating in Cooperative Education receive compensation for their work.

Prerequisites: Consent of instructor

WELD 2991 - Special Projects I

Total Credits = Cr: 1
Lecture = Lec: 0; / Laboratory = Lab: 1;
A course designed for the student who has demonstrated specific special needs.

Prerequisites: Consent of instructor

WELD 2993 - Special Projects II

Total Credits = Cr: 2
Lecture = Lec: 0; / Laboratory = Lab: 2;

A course designed for the student who has demonstrated specific special needs.

Prerequisites: Consent of instructor

WELD 2995 - Special Projects III

Total Credits = Cr: 3
Lecture = Lec: 0; / Laboratory = Lab: 3;

A course designed for the student who has demonstrated specific special needs.

Prerequisites: Consent of instructor

WELD 2992 - Special Projects IV

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

A course designed for the student who has demonstrated specific special needs.

Prerequisites: Consent of instructor

WELD 2994 - Special Projects V

Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4;

A course designed for the student who has demonstrated specific special needs.

Prerequisites: Consent of instructor

WELD 2990 - Special Projects VI
A course designed for the student who has demonstrated specific special needs.

**Prerequisites:** Consent of instructor

Optional Elective

**CSRV 1000 - Customer Service**

**Total Credits = Cr: 3**  
Lecture = Lec: 3

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

**Prerequisites:** Consent of Instructor

Total: 16 hrs./480 clock hrs.

**TD - Welding**

To meet the requirements to earn a diploma, students must complete the program core and select an additional minimum of 16 credits from ANY of the courses listed as "Required Electives."

Total: 60 hrs./1800 clock hrs.

Certificate Exit Levels are Below:

TCA - Welder Helper

**WELD 1110 - Occupational Orientation & Safety**
Total Credits = Cr: 3  
Lecture = Lec: 2; Laboratory = Lab 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

Prerequisites: Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

WELD 1140 - Electrical Fundamentals

Total Credits = Cr: 2  
Lecture = Lec: 1; Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

Total: 5 hrs./ 105 clock hrs.

TCA - Thermal Cutter

WELD 1110 - Occupational Orientation & Safety

Total Credits = Cr: 3  
Lecture = Lec: 2; Laboratory = Lab 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

Prerequisites: Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

WELD 1210 - Oxyfuel Systems

Total Credits = Cr:2  
Lecture = Lec: 1; Laboratory = Lab:1;
An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practice cutting mild steel using both the manual and machine process.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

Total: 5 hrs./ 120 clock hrs.

TCA - Arc Cutter

**WELD 1110 - Occupational Orientation & Safety**

**Total Credits =** Cr: 3  
**Lecture =** Lec: 2;  
**Laboratory =** Lab 1;  

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

**Prerequisites:** Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

**WELD 1140 - Electrical Fundamentals**

**Total Credits =** Cr: 2  
**Lecture =** Lec: 1;  
**Laboratory =** Lab: 1;  

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1310 - Cutting Processes - CAC/PAC**

**Total Credits =** Cr: 2  
**Lecture =** Lec: 1;  
**Laboratory =** Lab: 1;  

An introduction to the principals of safely operating Air Carbon Arc Cutting (CAC-A) and Plasma Arc Cutting (PAC) equipment including practice cutting and gouging ferrous and non-ferrous metals.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.
Total: 7 hrs./ 150 clock hrs.

TCA - Arc Welder Skills Upgrade

WELD 2883 - Basic Skills Evaluation

Total Credits = Cr: 1
Lecture = Lec: 0; / Laboratory = Lab: 1;

A course designed to assess a student’s life skills in welding and welding related performance and/or knowledge. Specific skills tested will be determined by the instructor and may include any combination of competency indicated in the welding program core curriculum. This assessment will be used to determine a student’s readiness to enter the program at a more advanced skill level.

WELD 2885 - Advanced Skills Evaluation

Total Credits = Cr: 1
Lecture = Lec: 0; / Laboratory = Lab: 1;

A course designed to assess a student’s life skills in advanced welding and welding related performance and/or knowledge. Specific skills tested will be determined by the instructor and may include any combination of competency indicated throughout the welding program. This assessment will be used to determine a student’s readiness to enter the program at a more advanced skill level. Note: Documented industry based certifications obtained within the past “6” (six) months may be substituted for skills determination with the instructors consent. This course is “NOT” a substitute for taking or challenging a core and/or required electives course and “NO” credit will be given toward a credit course.

Prerequisites: Consent of instructor

WELD 1110 - Occupational Orientation & Safety

Total Credits = Cr: 3
Lecture = Lec: 2; / Laboratory = Lab 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

Prerequisites: Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

- PLUS - A minimum of 4 credits from the list of Required Electives 4 hrs./ 120 clock hrs.
Total: 8 hrs. / 210 clock hrs.

TCA - Tack Welder/Fitter Helper

WELD 1110 - Occupational Orientation & Safety

Total Credits = Cr: 3
Lecture = Lec: 2; / Laboratory = Lab: 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

Prerequisites: Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

WELD 1120 - Basic Blueprint, Metallurgy & Welding Symbols

Total Credits = Cr: 3
Lecture = Lec: 2; / Laboratory = Lab: 1;

This course provides instruction and review of basic construction mathematics, weld symbol interpretation, reading welding detail drawings, basic metallurgy, metal identification, and heat treatment of metals.

Prerequisites: WELD 1110 plus meets minimum approved Math entrance score, and consent of the Instructor/Advisor.

WELD 1210 - Oxyfuel Systems

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practice cutting mild steel using both the manual and machine process.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1410 - SMAW - Basic Beads

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of Shielded Metal Arc Welding (SMAW), component and consumable identification including the safe setup of equipment and practice of welding stinger beads, weave beads, and overlapping beads in various positions using various electrodes.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

Total: 10 hrs./ 255 clock hrs.

TCA - Production Line Welder

**WELD 1110 - Occupational Orientation & Safety**

**Total Credits = Cr: 3**
Lecture = Lec: 2; / Laboratory = Lab 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

**Prerequisites:** Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

**WELD 1140 - Electrical Fundamentals**

**Total Credits = Cr: 2**
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1210 - Oxyfuel Systems**

**Total Credits = Cr:2**
Lecture = Lec: 1; / Laboratory = Lab:1;

An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practicecutting mild steel using both the manual and machine process.
**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1410 - SMAW - Basic Beads**

**Total Credits = Cr:** 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of Shielded Metal Arc Welding (SMAW), component and consumable identification including the safe setup of equipment and practice of welding stinger beads, weave beads, and overlapping beads in various positions using various electrodes.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

PLUS – Any ONE below (3 hrs. / 105 clock hrs.)

**WELD 1411 - SMAW - Fillet Weld**

**Total Credits = Cr:** 3  
Lecture = Lec: 0 / Laboratory = Lab: 3

Safely setup and operate Shielded Metal Arc Welding (SMAW) equipment with practice of single and multi-pass fillet welds in the flat, horizontal, vertical, and overhead positions using various electrodes.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2110 - FCAW - Basic Fillet Welds**

**Total Credits = Cr:** 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Flux Core Arc Welding (FCAW), component and consumable identification including the safe setup of equipment and practice of fillet welds in the flat, vertical, horizontal, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2210 - GTAW - Multi-joint**

**Total Credits = Cr:** 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Gas Tungsten Arc Welding (GTAW), component and consumable identification including
the safe setup of equipment and practice of welding beads (fillet welds), and groove welds in the flat, vertical, horizontal, and overhead positions using carbon steel consumables.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2310 - GMAW - Basic Fillet Weld**

**Total Credits = Cr: 3**  
Lecture = Lec: 1; / Laboratory = Lab 2;

An introduction to the principals of Gas Metal Arc Welding (GMAW), types of weld transfer, weld quality, and component and consumable identification including the safe setup of equipment and practice of welding fillet welds in the flat, horizontal, vertical, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

Total: 12 hrs./ 330 clock hrs.

**CTS - Production Line Welder II**

**WELD 1110 - Occupational Orientation & Safety**

**Total Credits = Cr: 3**  
Lecture = Lec: 2; / Laboratory = Lab 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

**Prerequisites:** Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

**WELD 1140 - Electrical Fundamentals**

**Total Credits = Cr: 2**  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.
WELD 1210 - Oxyfuel Systems

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practice cutting mild steel using both the manual and machine process.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1310 - Cutting Processes - CAC/PAC

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of safely operating Air Carbon Arc Cutting (CAC-A) and Plasma Arc Cutting (PAC) equipment including practice cutting and gouging ferrous and non-ferrous metals.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1410 - SMAW - Basic Beads

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of Shielded Metal Arc Welding (SMAW), component and consumable identification including the safe setup of equipment and practice of welding stinger beads, weave beads, and overlapping beads in various positions using various electrodes.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

- PLUS - Any ONE Advanced Procedures course 2 hrs./ 60 clock hrs.

PLUS - 12 credits from list below (12 hrs./ 420 clock hrs.)

WELD 1411 - SMAW - Fillet Weld

Total Credits = Cr: 3
Lecture = Lec: 0 / Laboratory = Lab: 3

Safely setup and operate Shielded Metal Arc Welding (SMAW) equipment with practice of single and multi-pass fillet welds in the flat, horizontal, vertical, and overhead positions using various electrodes.
Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1412 - SMAW - V-Groove Bu/Gouge

Total Credits = Cr: 3  
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Shielded Metal Arc Welding (SMAW) equipment with practice of V-Groove welds with a backing or back gouging in the flat, horizontal, vertical, and overhead positions using various electrodes.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2110 - FCAW - Basic Fillet Welds

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Flux Core Arc Welding (FCAW), component and consumable identification including the safe setup of equipment and practice of fillet welds in the flat, vertical, horizontal, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2111 - FCAW - Groove Welds

Total Credits = Cr: 3  
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Flux Core Arc Welding (FCAW) equipment with practice of V-Groove welds with a backing or back gouging in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2210 - GTAW - Multi-joint

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Gas Tungsten Arc Welding (GTAW), component and consumable identification including the safe setup of equipment and practice of welding beads (fillet welds), and groove welds in the flat, vertical, horizontal, and overhead positions using carbon steel consumables.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.
WELD 2230 - GTAW - Aluminum Multi-joint

Total Credits = Cr: 3
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Gas Tungsten Arc Welding Aluminum (GTAW-A), component and consumable identification including the safe setup of equipment and practice of welding fillet and groove welds in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2310 - GMAW - Basic Fillet Weld

Total Credits = Cr: 3
Lecture = Lec: 1; / Laboratory = Lab 2;

An introduction to the principals of Gas Metal Arc Welding (GMAW), types of weld transfer, weld quality, and component and consumable identification including the safe setup of equipment and practice of welding fillet welds in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2311 - GMAW - Groove Weld

Total Credits = Cr: 3
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Gas Metal Arc Welding (GMAW) equipment with practice of open V-Groove welds in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

Total: 25 hrs./ 750 clock hrs.

CTS - Production Line Welder - Shipbuilding

WELD 1110 - Occupational Orientation & Safety

Total Credits = Cr: 3
An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

Prerequisites: Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

WELD 1140 - Electrical Fundamentals

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1210 - Oxyfuel Systems

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practicecutting mild steel using both the manual and machine process.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1410 - SMAW - Basic Beads

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of Shielded Metal Arc Welding (SMAW), component and consumable identification including the safe setup of equipment and practice of welding stinger beads, weave beads, and overlapping beads in various positions using various electrodes.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2110 - FCAW - Basic Fillet Welds

Total Credits = Cr: 3
Lecture = Lec: 1; / Laboratory = Lab: 2;
An introduction to the principals of Flux Core Arc Welding (FCAW), component and consumable identification including the safe setup of equipment and practice of fillet welds in the flat, vertical, horizontal, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2480 - Shipbuilding Procedures I**

**Total Credits = Cr: 2**
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in shipbuilding procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 1130 - Welding Inspection & Testing**

**Total Credits = Cr: 2**
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to codes, standards, and agencies regulating the welding industry, a review of weld quality standards, concepts in proper visual and destructive testing methods, and a study of proper base metal preparation and joint fit-up.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1411 - SMAW - Fillet Weld**

**Total Credits = Cr: 3**
Lecture = Lec: 0 / Laboratory = Lab: 3

Safely setup and operate Shielded Metal Arc Welding (SMAW) equipment with practice of single and multi-pass fillet welds in the flat, horizontal, vertical, and overhead positions using various electrodes.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1310 - Cutting Processes - CAC/PAC**
An introduction to the principals of safely operating Air Carbon Arc Cutting (CAC-A) and Plasma Arc Cutting (PAC) equipment including practice cutting and gouging ferrous and non-ferrous metals.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2111 - FCAW - Groove Welds**

Total Credits = Cr: 3  
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Flux Core Arc Welding (FCAW) equipment with practice of V-Groove welds with a backing or back gouging in the flat, horizontal, vertical, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2481 - Shipbuilding Procedures II**

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in shipbuilding procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

Total: 26 hrs./ 765 clock hrs.

**CTS - Arc Welder - GTAW**

**WELD 1110 - Occupational Orientation & Safety**

Total Credits = Cr: 3
An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

Prerequisites: Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

WELD 1140 - Electrical Fundamentals

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1210 - Oxyfuel Systems

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practice cutting mild steel using both the manual and machine process.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1310 - Cutting Processes - CAC/PAC

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of safely operating Air Carbon Arc Cutting (CAC-A) and Plasma Arc Cutting (PAC) equipment including practice cutting and gouging ferrous and non-ferrous metals.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2210 - GTAW - Multi-joint

Total Credits = Cr: 3
Lecture = Lec: 1; / Laboratory = Lab: 2;
An introduction to the principals of Gas Tungsten Arc Welding (GTAW), component and consumable identification including the safe setup of equipment and practice of welding beads (fillet welds), and groove welds in the flat, vertical, horizontal, and overhead positions using carbon steel consumables.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.
- PLUS ANY 3 courses from the GTAW Required Electives 12 hrs./ 360 clock hrs.

Total: 24 hrs./ 675 clock hrs.

**CTS - Arc Welder - GMAW**

**WELD 1110 - Occupational Orientation & Safety**

Total Credits = Cr: 3  
Lecture = Lec: 2; / Laboratory = Lab 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

**Prerequisites:** Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

**WELD 1140 - Electrical Fundamentals**

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1210 - Oxyfuel Systems**

Total Credits = Cr:2  
Lecture = Lec: 1; / Laboratory = Lab:1;

An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practice cutting mild steel using both the manual and machine process.
Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1310 - Cutting Processes - CAC/PAC

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of safely operating Air Carbon Arc Cutting (CAC-A) and Plasma Arc Cutting (PAC) equipment including practice cutting and gouging ferrous and non-ferrous metals.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2310 - GMAW - Basic Fillet Weld

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab 2;

An introduction to the principals of Gas Metal Arc Welding (GMAW), types of weld transfer, weld quality, and component and consumable identification including the safe setup of equipment and practice of welding fillet welds in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2311 - GMAW - Groove Weld

Total Credits = Cr: 3  
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Gas Metal Arc Welding (GMAW) equipment with practice of open V-Groove welds in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

- PLUS ANY 3 courses from the GMAW Required Electives 12 hrs./ 360 clock hrs.

Total: 27 hrs./ 780 clock hrs.

CTS - Arc Welder - FCAW

WELD 1110 - Occupational Orientation & Safety
An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

**Prerequisites:** Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

**WELD 1140 - Electrical Fundamentals**

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1210 - Oxyfuel Systems**

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practice cutting mild steel using both the manual and machine process.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1310 - Cutting Processes - CAC/PAC**

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of safely operating Air Carbon Arc Cutting (CAC-A) and Plasma Arc Cutting (PAC) equipment including practice cutting and gouging ferrous and non-ferrous metals.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2110 - FCAW - Basic Fillet Welds**

Total Credits = Cr: 3
An introduction to the principals of Flux Core Arc Welding (FCAW), component and consumable identification including the safe setup of equipment and practice of fillet welds in the flat, vertical, horizontal, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2111 - FCAW - Groove Welds**

**Total Credits = Cr: 3**
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Flux Core Arc Welding (FCAW) equipment with practice of V-Groove welds with a backing or back gouging in the flat, horizontal, vertical, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.
- PLUS ANY 3 courses from the FCAW Required Electives 12 hrs./ 360 clock hrs.

Total: 27 hrs./ 780 clock hrs.

**CTS - Arc Welder - SMAW**

**WELD 1110 - Occupational Orientation & Safety**

**Total Credits = Cr: 3**
Lecture = Lec: 2; / Laboratory = Lab 1;

An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

**Prerequisites:** Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

**WELD 1140 - Electrical Fundamentals**

**Total Credits = Cr: 2**
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.
Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1210 - Oxyfuel Systems

Total Credits = Cr:2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practice cutting mild steel using both the manual and machine process.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1310 - Cutting Processes - CAC/PAC

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of safely operating Air Carbon Arc Cutting (CAC-A) and Plasma Arc Cutting (PAC) equipment including practice cutting and gouging ferrous and non-ferrous metals.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1410 - SMAW - Basic Beads

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of Shielded Metal Arc Welding (SMAW), component and consumable identification including the safe setup of equipment and practice of welding stinger beads, weave beads, and overlapping beads in various positions using various electrodes.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1411 - SMAW - Fillet Weld

Total Credits = Cr: 3
Lecture = Lec: 0 / Laboratory = Lab: 3

Safely setup and operate Shielded Metal Arc Welding (SMAW) equipment with practice of single and multi-pass fillet welds in the flat, horizontal, vertical, and overhead positions using various electrodes.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.
WELD 1412 - SMAW - V-Groove Bu/Gouge

Total Credits = Cr: 3
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Shielded Metal Arc Welding (SMAW) equipment with practice of V-Groove welds with a backing or back gouging in the flat, horizontal, vertical, and overhead positions using various electrodes.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1420 - SMAW - V-Groove Open

Total Credits = Cr: 4
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the safe setup of equipment and principals of Shielded Metal Arc Welding (SMAW) for open V-Groove welds, joint preparation, proper weld quality, qualification testing, and practice welding open V-Groove welds in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

- PLUS ANY 3 courses from the SMAW Required Electives 12 hrs./ 360 clock hrs.

Total: 33 hrs./ 960 clock hrs.

Louisiana Transfer Degree, Sciences

Biological Sciences Track Transfer Degree, A.S.L.T.

All courses applied to the degree must be passed with a C or better. Developmental courses may not be applied.

Requirements for the ASLT track in biological sciences are listed below. When more than one option for fulfilling a requirement is given, even if some of these options are listed as “recommended” or “electives,” students should select courses that are required for the major they intend to pursue at a university. Students transferring to a University of Louisiana System (ULS) institution should follow the appropriate ULS track.

Biological Sciences Track

English Composition & Literature (Humanity) 9 hours
Complete both:

**ENGL 101 - English Composition I**

Total Credits = Cr. 3  
Lecture = Lec. 3  

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

**Prerequisites:** ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

**ENGL 102 - English Composition**

Total Credits = Cr. 3  
Lecture = Lec. 3  

Students will master the principles of researched writing and complete an accurately documented research paper.

**Prerequisites:** ENGL 101 with a grade of “C” or higher.

Choose one literature:

**ENGL 102 - English Composition**

Total Credits = Cr. 3  
Lecture = Lec. 3  

Students will master the principles of researched writing and complete an accurately documented research paper.

**Prerequisites:** ENGL 101 with a grade of “C” or higher.

**ENGL 201 - English Literature**

Total Credits = Cr. 3  
Lecture = Lec. 3  

This course is a survey of important works of English literature from the Anglo-Saxon period to the Restoration and Eighteenth
Century. Writers studied in the course will include Chaucer, Marlowe, Shakespeare, Donne, Milton, Swift and others.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 202 - English Literature

Total Credits = Cr. 3
Lecture = Lec. 3

This course is a survey of important works of English literature from the Romantic Period through the Twentieth Century. Writers studied in the course will include Blake, Shelley, Wordsworth, Keats, Bryon, Coleridge, Browning, Tennyson, Conrad, Yeats, Joyce, Lawrence, Eliot, Auden and others.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 203 - American Literature I

Total Credits = Cr. 3
Lecture = Lec. 3

This course will be a survey of significant works in American Literature from its beginnings to 1860. Included in the course are Native American myths, works by early explorers and settlers, the literature of reason and revolution, and the Romantic and Transcendental movements.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 204 - American Literature II

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of American Literature from 1860 to the present. Major writers include Whitman, Dickinson, Twain, Frost, Eliot, Hemingway, Faulkner and Steinbeck, as well as the rising voices of ethnic and women’s literature in the 20th century.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 205 - World Literature

Total Credits = Cr. 3
Lecture = Lec. 3;

A survey of the major works of World Literature from the Classical Period to the Renaissance, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.
Prerequisites: ENGL 102 with a grade of “C” or higher.

**ENGL 206 - World Literature**

Total Credits = Cr. 3  
Lecture = Lec. 3  

A survey of the major works of World Literature from the Renaissance to the present, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

Prerequisites: ENGL 102 with a grade of “C” or higher.

**ENGL 207 - Literature Of The Old Testament**

Total Credits = Cr. 3  
Lecture = Lec. 3  

This course is a survey of literature found in the Old Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

Prerequisites: ENGL 102 with “C” or higher.

**ENGL 208 - Literature Of The New Testament**

Total Credits = Cr. 3  
Lecture = Lec. 3  

This course is a survey of literature found in the New Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

Prerequisites: ENGL 102 with “C” or higher.

**ENGL 211 - Survey Of Short Stories & Novels**

Total Credits = Cr. 3  
Lecture = Lec. 3  

Skills for reading and writing about fiction; attention to generic conventions and critical perspectives; section emphasis may vary; consult departmental handout.

Prerequisites: ENGL 102 with a grade of “C” or higher.
ENGL 215 - Introduction To Drama & Poetry

Total Credits = Cr. 3  
Lecture = Lec. 3

The course is designed to develop in students an ability to understand, analyze and evaluate drama and poetry. The first half of the course focuses on drama and introduces the student to plays from the Greek classics through the twentieth century. The second half of the course emphasizes poetry that reflects different forms, subjects, themes and points of view. Since reading is a major focus of this course, students will practice a variety of interrelated reading and interpretative skills. Students’ writing should move beyond paraphrasing into analysis, interpretation and argumentation.

Prerequisites: ENGL 102 with a grade of “C” or higher.

Social/Behavioral Sciences 6 hours (3 at 200 level)

ECON 201 - Macroeconomics

Total Credits = Cr. 3  
Lecture = Lec. 3

A study of price and output determination, theories of production, determination of prices in regulated and unregulated industries, functional distribution of income, and international economics.

ECON 202 - Microeconomics

Total Credits = Cr. 3  
Lecture = Lec. 3

A study of economics, economic concepts and economic institutions. Emphasizes the operation and function of a market economy while analyzing economic problems related to income, employment, the business cycle, money and banking, growth and development.

Prerequisites: ECON 201

GEOG 202 - Cultural Geography

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to the concepts, themes and techniques of cultural geography; topical discussion of religion, politics, language, population, agriculture, urbanization, environmental and social problems.
**GEOG 205 - Physical Geography**

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to the concepts, themes and disciplines of physical geography. Discussion of atmospheric moisture, pressure and temperature, plate tectonics, volcanism, weathering and mass wasting, diastrophism, coastal processes, fluvial processes, global ecosystems and weather systems.

**POLI 110 - American Government**

Total Credits = Cr. 3  
Lecture = Lec. 3;

The principles, institutions, processes and functions of government. Emphasis is on the national government, the development of our constitutional system and the role of the citizen in the democratic process.

**PSYC 201 - Introduction To Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

**PSYC 225 - Child Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Physical, intellectual, social and emotional factors in child growth and development.

**Prerequisites:** PSYC 201.

**PSYC 226 - Developmental Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Physical, psychological, and social aspects of the individual from conception to death. Cultural, social, and hereditary factors that affect the individual’s behavior throughout the life cycle.
Prerequisites: PSYC 201 with a “C” or higher.

**PSYC 227 - Adolescent Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

A study of the physical and mental growth of youth during the period of adolescence and the transition from childhood to adulthood.

Prerequisites: PSYC 201 with a “C” or higher.

**SOCL 201 - Introduction To Sociology**

Total Credits = Cr. 3  
Lecture = Lec. 3;

As an introduction to the discipline of sociology, this course surveys and provides students with an understanding of human society and social life. It introduces students to the major subject areas of sociology, including the major theoretical perspectives and theorists; logic and techniques of research; social organization, institutions, and inequality and social change.

**SOCL 202 - Contemporary Social Problems**

Total Credits = Cr. 3  
Lecture = Lec. 3;

A description and sociological analysis of major contemporary social problems in American society. The focus is on both the individual and societal levels (on both social action and social structure) and on the reciprocal relationship between them.

Prerequisites: SOCL 201 with “C” or higher.

**Math/A.R. 6-11 hours**

**MATH 110 - College Algebra**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.
Prerequisites: Placement based on placement survey of ACT score.

MATH 111 - Plane Trigonometry

Total Credits = Cr. 3  
Lecture = Lec. 3;

Trigonometric functions and identities, inverse trigonometric functions, graphs, solving triangles and equations, complex numbers and polar coordinates.

Prerequisites: TH 110 with “C” or higher.
- Gen. Ed. Math/A.R.
- Elective

Note(s):

The math requirement may vary depending on the students intended major and transfer institution. Any of the following courses are acceptable for this requirement, MATH 111 (assuming it has not already been used), MATH 210, MATH 220.

Humanities 6 hours

Recommended: a history sequence, speech course, or foreign language series

FREN 101 - Elementary French I

Total Credits = Cr. 3  
Lecture = Lec. 3

A beginning course designed for students with no previous knowledge of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

FREN 102 - Elementary French II

Total Credits = Cr. 3  
Lecture = Lec. 3

A continuation of FREN 101. designed for students who have completed one semester of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

Prerequisites: FREN 101

FREN 201 - Intermediate French
This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: FREN 101, FREN 102

**FREN 202 - Intermediate French**

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: FREN 101, FREN 102, FREN 201

**HIST 101 - Western Civilization To 1650 A.D.**

A survey of civilization of the world to 1650. Major emphasis on western civilization.

**HIST 102 - Western Civilization Since 1650 A.D.**

A survey of civilization of the world from 1650 to the present. Major emphasis on western civilization.

**HIST 201 - History Of The United States 1492-1877**

A survey of United States history from discovery through Reconstruction.

**HIST 202 - History Of The Us 1877-present**
A survey of United States history from Reconstruction to the present.

**SPCM 110 - Fundamentals Of Speech**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course develops an awareness of the history and traditions of speech communication worthy of academic study. The course is a summary of this academic and professional field and is comprised of the component parts of organizational and business communication, mass communication, small group and interpersonal communication, as well as public speaking.

**SPCM 120 - Intro To Public Speaking**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

**SPCM 130 - Interpersonal Communication**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This speech and personal communication course is designed for students who are interested in improving their personal knowledge and practice of the principles that govern their interpersonal (usually one-to-one) and intrapersonal (within oneself) communication behavior on a daily basis. This course applies to personal, social and professional context interactions and relationships that often govern their success personally, professionally and in everyday social activities.

**SPAN 101 - Elementary Spanish I**

Total Credits = Cr. 3  
Lecture = Lec. 3;

An introduction to Spanish language and culture. The course explores the basic grammatical structures of the Spanish language. Throughout the semester, students will develop writing, reading and speaking skills. Emphasis will be placed on communicative skills.
SPAN 102 - Elementary Spanish II

Total Credits = Cr. 3  
Lecture = Lec. 3;

A continuation of SPAN 101. The course will extend students’ elementary knowledge of the basic grammatical structures of the Spanish language. Throughout the semester, students will continue to develop reading, writing and speaking skills. Emphasis will be placed on communication skills.

Prerequisites: SPAN 101 with “C” or higher

SPAN 201 - Intermediate Spanish I

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course is designed to build upon and extend students’ elementary knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: SPAN 102 with “C” or higher

SPAN 202 - Intermediate Spanish II

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course is designed to build upon and extend students’ intermediate knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: SPAN 201 with “C” or higher

Other options:

Choose other humanities course(s) from above list, literature list or from:

PHIL 201 - Introduction To Philosophy

Total Credits = Cr. 3  
Lecture = Lec. 3;

An introduction to philosophical ideas, problems and methods through a study of important philosophers and the major systems
of philosophy. Topics to be covered may include appearance and reality, human nature, nature of knowledge, relation of mind with body, the right and the good, the existence of God, and freedom and determinism.

Fine Arts 3 hours

**ARTS 120 - Art Appreciation**

(Formerly ARTS 101)

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

Lecture and discussion of the visual arts with emphasis on how and why works have been created in present and earlier times. All major forms of drawing, painting, printmaking, sculpture, design and architecture are explored in basic terms.

**ARTS 201 - Survey Of Art History I**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

This survey course is an introduction to the history of visual art through the study of selected masterworks from the prehistoric period through the Gothic.

**ARTS 202 - Survey Of Art History II**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

This survey course is an introduction to the history of visual art through the study of selected masterworks from the Renaissance to Modern time.

**MUSC 101 - Music Appreciation**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

This course is designed to foster an understanding of music through the study of selected examples of musical works. Emphasis is placed upon the analysis of compositions in conjunction with references to cultural and historical developments.

**THEA 190 - Theatre Appreciation**
This course seeks to improve both the appreciation for and understanding of theatre art that includes the structure, focus and purpose of dramatic literature, its presentation (acting), and directing/managing, as well as physical designing (scenery, lighting, costumes, make-up) and related theatrical elements. This course, where possible, includes attendance at local theatrical presentations.

Natural Sciences 18 hours

Complete all 12 hours:

**BIOL 201 - Principles Of Biology I**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course covers the concept of scientific methodology, genetics, cell structure and development, evolution and ecology and provides a laboratory component that coincides with the lecture; Designed for students majoring in a science related field.

Prerequisites: Eligibility for ENGL 101 and MATH 110 and successful completion of PHSC 120 or a high or college level chemistry.

**BIOL 203 - Principles Of Biology I Lab**

Total Credits = Cr. 1  
/ Laboratory = Lab 3  

Laboratory designed to accompany Principles of Biology I lecture (BIOL 201). Laboratory activities will cover the concept of scientific methodology, genetics, cell structure and development, evolution and ecology; Designed for students majoring in a science related field.

Prerequisites: Enrollment in or completion of BIOL 201 with a grade of “C” or higher

**BIOL 202 - Principles Of Biology II**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course covers the concepts of human evolution and effects on ecology, ecological interactions, natural selection, adaptation,
speciation and phylogeny.

**Prerequisites:** Grade of “C” or higher in BIOL 201

**BIOL 204 - Principles Of Biology II Lab**

**Total Credits = Cr. 1**  
/ Laboratory = Lab 3

Laboratory designed to accompany Principles of Biology II lecture (BIOL 202). Laboratory activities will cover the concepts of human evolution and effects on ecology, ecological interactions, natural selection, adaptation, speciation and phylogeny.

**Prerequisites or Corequisites:** Completion of BIOL 201 and BIOL 203 with a grade of “C” or higher and enrollment in or completion of BIOL 202 with a grade of “C” or higher.

**CHEM 110 - Chemistry I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on atomic structure, periodicity, bonds, thermochemistry, molecular geometry, gas laws, solutions, and stoichiometry. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in College Algebra or and ACT score of 20 in math.  
**Corequisites:** None

**CHEM 111 - Chemistry I Lab**

**Total Credits = Cr. 1**  
/ Laboratory = Lab 3

Laboratory designed to accompany CHEM 110, includes introduction to basic laboratory skills and operations including experiments dealing with physical and chemical properties, chemical reactions, and solution chemistry.

**Prerequisites:** None  
**Corequisites:** Enrollment in or completion of CHEM 110 with a “C” or better.

**Choose 6 hours f/list:**

**Recommended**
If a corresponding lab is offered, it may be taken and applied toward this requirement or toward the Natural Science & Humanities Electives requirement.

**BIOL 210 - General Microbiology**

(formerly BIOL 212)

**Total Credits = Cr. 3**  
Lecture = Lec 3

Course presents an integrated approach to essential concepts in Microbiology and provides a foundation for practical, hands-on work and critical thinking that are a part of science and medical based professions (for science majors).

**Prerequisites:** Successful completion of BIOL 221 and BIOL 223 with a grade of “C” or higher.  
**Corequisites:** Concurrent enrollment in BIOL 211, General Microbiology Laboratory

**CHEM 120 - Chemistry II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on reaction kinetics and equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and the chemistry of metals and nonmetals. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in CHEM 110.  
**Corequisites:** None
- Organic Chem I 3hrs.
- Organic Chem II 3hrs.

**Other Options**

If a corresponding lab is offered, it may be taken and applied toward this requirement or toward the Natural Science & Humanities Electives requirement.

**ATMO 101 - Intro To Weather & Climate I**

(formerly PHSC 112)

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course will present an integrated approach to basic meteorology. Basic science skills, such as the scientific method will be highlighted, through meteorology. Meteorology concepts such as structure of the atmosphere, solar radiation, temperature, and atmospheric stability will be covered.
ATMO 102 - Intro To Weather & Climate I

(formerly PHSC 113)

Total Credits = Cr. 3
Lecture = Lec. 3

This course will explore the dynamic atmosphere including topics of air masses, weather forecasting, and an in-depth view into severe weather and hurricanes will also be discussed and debated as it pertains to current trends of global warming.

Prerequisites: None
Corequisites: None

BIOL 221 - Human Anatomy And Physiology I

Total Credits = Cr. 3
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body. The emphasis of the lecture will be on the physiology of organs and tissues. Topics covered will include the human organism, chemical basis of life, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, spinal cord, spinal nerves, brain, cranial nerves, and integration of nervous system functions, autonomic nervous system and special senses. This course is designed for science majors and students majoring in a pre-allied health related field.

Prerequisites: Eligibility to enroll in ENGL 101 and MATH 110 and successful completion of PHSC 120 or high school or college level chemistry.
Corequisites: Concurrent enrollment in BIOL 223, Human Anatomy & Physiology I Laboratory.

BIOL 222 - Human Anatomy & Physiology II

Total Credits = Cr. 3
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body covering the endocrine system, cardiovascular, lymphatic (immune), respiratory, digestive, urinary and reproductive systems, development, growth, aging, nutrition, acid base balance and genetics. This course is designed for science majors and students majoring in a pre-allied health related field.

Prerequisites: Completion of BIOL 221 and BIOL 223 with a grade of C or better.
Corequisites: Concurrent enrollment in BIOL 224, Human Anatomy & Physiology II Laboratory.

BIOL 228 - Pathophysiology
Total Credits = Cr. 3
Lecture = Lec. 3

A detailed study of the mechanisms of disease, alterations in body defenses and the effects on the following body systems: hematological, cardiovascular, respiratory, urinary, gastrointestinal, endocrine, reproductive, nervous, skeletal and integumentary.

Prerequisites: Completion of BIOL 221, BIOL 222, BIOL 223 & BIOL 224 with a grade of “C” or higher in each.

BIOL 230 - Principles Of Zoology

Total Credits = Cr. 3
Lecture = Lec. 3

This course is designed for students with majors and minors in biological science. The course presents the major concepts of biology as illustrated by animal life and studies selected vertebrates as laboratory animals. An introduction to the anatomy, physiology, classification, and relationships of major animal phyla will be covered. Emphasis will be placed on levels of organization, reproduction, evolution of animal life, diversity and the environment. This course may be used as a general science elective to satisfy the core content requirements.

Prerequisites: Eligibility for MATH 110 and ENGL 101; Successful completion of PHSC 120 or high school or college level chemistry.

GEOL 101 - Physical Geology

Total Credits = Cr. 3
Lecture = Lec. 3

An introduction to the scope of geology, the external and internal features of the earth such as landforms, and the agents which are responsible for them including volcanoes, glaciers, earthquakes, wind and running water.

GEOL 102 - Historical Geology

Total Credits = Cr. 3
Lecture = Lec. 3

The development, changes and destruction of the land features and sea areas of the earth and the changing panorama of plant and animal life from the earth’s origin to the present day.

Prerequisites: Successful completion of GEOL 101, Physical Geology, with a grade of “C” or higher or by special permission.

PHSC 100 - Physical Science I
This course is a presentation of an integrated approach to essential concepts in physics such as motion, gravity, heat, electricity, magnetism, sound and light and to emphasize the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

**Prerequisites:** Eligibility to enroll in MATH 99 or higher level math

**PHSC 120 - Physical Science II**

This course introduces the student to the following concepts of basic chemistry: atoms and their structure, atomic models, atomic nucleus and electron configuration, mixture, bonding, acids and bases, and oxidation and reduction.

**Prerequisites:** Eligibility for MATH 99 or higher level math

**PHYS 210 - General Physics I**

This first semester of a two-semester sequence is an overview of basic concepts and principles of mechanics, heat, and sound. This course is intended for science majors.

**Prerequisites:** Successful completion of MATH 111, Plane Trigonometry, with a grade of “C” or higher; Corequisites: Concurrent enrollment in PHYS 211, General Physics I Laboratory

**PHYS 211 - General Physics I Lab**

Laboratory designed to accompany PHYS 210, General Physics I; Laboratory activities are used to enhance the content and learning outcomes established for PHYS 210 for mechanics, heat, and sound.

**Prerequisites or Corequisites:** Concurrent enrollment in or successful completion of PHYS 210 with a grade of “C” or better

**SCIE 101 - Introductory Earth Science I**

Total Credits = Cr.3
This survey course will present an integrated approach to general earth science with an emphasis on the following: geology with an introduction to oceanography, meteorology, and astronomy. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. Field trips may be arranged, but not required.

**Prerequisites:** None;  
**Corequisites:** None

### SCIE 102 - Introductory Earth Science II

Total Credits = Cr.3  
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. General Earth Science 102 will include the following disciplines: geology, oceanography, meteorology, and astronomy with emphasis on oceanography, meteorology, and astronomy. Field trips may be arranged, but not required

**Prerequisites:** None- Students may enroll in SCIE 102 without having taken SCIE 101;  
**Corequisites:** None

### SCIE 114 - Environmental Science & Lab

Total Credits = Cr 3  
Lecture = Lec. 3;

Study of the interactions of human activity with the environment and the future impact of these actions. Ecological, impact, sustainable management and risk analysis will be integrated throughout the course.

**Prerequisites:** Completion of MATH 110 with a grade of “C” or higher.  
Or other natural sciences approved by advisor

### Natural Science & Humanities Electives 7-12 hours

Choose from departments listed below. Taking courses recommended in previous natural science and humanities sections is encouraged, as are labs for previously recommended science lectures.

**Natural Science Electives**

- Biological Sciences - BIOL  
- Chemistry - CHEM  
- Geology - GEOL  
- Physical Science - PHSC  
- Physics - PHYS
Humanities

- English - ENGL
- History - HIST
- Philosophy - PHIL
- Speech - SPCH

Other

- MATH 210 - MATH

Note(s):

Completion of the Associate of Arts/Science Louisiana Transfer (AALT, ASLT) degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an AALT/ASLT degree.

Additional Information

Course Selection

1 The math requirement may vary depending on the students intended major and transfer institution. Any of the following courses are acceptable for this requirement, MATH 111 (assuming it has not already been used), MATH 210, MATH 220.

2 If a corresponding lab is offered, it may be taken and applied toward this requirement or toward the Natural Science & Humanities Electives requirement.

Completing an Associate of Arts/Science Louisiana Transfer Degree (AALT/ASLT) at LDCC

- A student’s placement in English and math courses will be determined by ACT, SAT, and/or COMPASS scores. As a result of these scores, some students may be required to take developmental classes in preparation for the English and math classes required for the transfer degree. Note: When appropriate, previous college work will be used to determined placement in these subject areas.
- A course may be applied only once for degree credit.
- Transfer coursework is unofficial until all official transcripts are evaluated and posted.
- To graduate with the AALT or ASLT, students must have LDCC and adjusted cumulative grade-point averages of 2.00.
- Students should refer to the LDCC General Catalog for a detailed explanation of graduation requirements.

Transferring to a University with an AALT or ASLT Degree

Advising and planning are key to a student’s success in maximizing the transfer experience. All students who might eventually transfer from one institution to another should develop, with an advisor’s assistance, a written degree plan of courses to take for the transfer associate degree. Whenever possible, students should use the transfer degree requirements to satisfy the admission requirements of the university to which they wish to transfer; the university’s senior college, departmental, and/or program admission requirements; and course requirements for the baccalaureate degree. Additionally, a student with coursework from
multiple institutions may need to contact the Campus Transfer Ombudsman* at the transfer university for information regarding the applicability of non-LDCC coursework toward the intended major at the university.

Completion of the AALT or ASLT does not guarantee that a student will have the grade-point average necessary for admission to the university, senior college, department, program, etc, to which a student wishes to transfer. It is therefore essential that students find out these requirements* as early as possible.

*To identify the Campus Transfer Ombudsman (or designated contact person) or GPA requirements for the university to which you wish to transfer, visit the statewide articulation web site. Links to each participating institution’s articulation web site can be found here with other helpful academic resources.

Note(s):

Completion of the Associate of Arts/Science Louisiana Transfer (AALT, ASLT) degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an AALT/ASLT degree.

Physical Sciences Track Transfer Degree, A.S.L.T.

Requirements for the ASLT track in physical sciences are listed below. When more than one option for fulfilling a requirement is given, even if some of these options are listed as “recommended” or “electives,” students should select courses that are required for the major they intend to pursue at a university. Students transferring to a University of Louisiana System (ULS) institution should follow the appropriate ULS track.

Physical Sciences Track

English Composition & Literature (Humanity) 9 hours

Complete both:

ENGL 101 - English Composition I

Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.
**ENGL 102 - English Composition**

Total Credits = Cr. 3  
Lecture = Lec. 3  

Students will master the principles of researched writing and complete an accurately documented research paper.  

**Prerequisites:** ENGL 101 with a grade of “C” or higher.

Choose one literature:

**ENGL 201 - English Literature**

Total Credits = Cr. 3  
Lecture = Lec. 3  

This course is a survey of important works of English literature from the Anglo-Saxon period to the Restoration and Eighteenth Century. Writers studied in the course will include Chaucer, Marlowe, Shakespeare, Donne, Milton, Swift and others.  

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 202 - English Literature**

Total Credits = Cr. 3  
Lecture = Lec. 3  

This course is a survey of important works of English literature from the Romantic Period through the Twentieth Century. Writers studied in the course will include Blake, Shelley, Wordsworth, Keats, Byron, Coleridge, Browning, Tennyson, Conrad, Yeats, Joyce, Lawrence, Eliot, Auden and others.  

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 203 - American Literature I**

Total Credits = Cr. 3  
Lecture = Lec. 3  

This course will be a survey of significant works in American Literature from its beginnings to 1860. Included in the course are Native American myths, works by early explorers and settlers, the literature of reason and revolution, and the Romantic and Transcendental movements.  

**Prerequisites:** ENGL 102 with a grade of “C” or higher.
ENGL 204 - American Literature II

Total Credits = Cr. 3  
Lecture = Lec. 3

A survey of American Literature from 1860 to the present. Major writers include Whitman, Dickinson, Twain, Frost, Eliot, Hemingway, Faulkner and Steinbeck, as well as the rising voices of ethnic and women's literature in the 20th century.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 205 - World Literature

Total Credits = Cr. 3  
Lecture = Lec. 3

A survey of the major works of World Literature from the Classical Period to the Renaissance, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 206 - World Literature

Total Credits = Cr. 3  
Lecture = Lec. 3

A survey of the major works of World Literature from the Renaissance to the present, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 207 - Literature Of The Old Testament

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is a survey of literature found in the Old Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

Prerequisites: ENGL 102 with “C” or higher.

ENGL 208 - Literature Of The New Testament
This course is a survey of literature found in the New Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

**Prerequisites:** ENGL 102 with “C” or higher.

**ENGL 211 - Survey Of Short Stories & Novels**

Skills for reading and writing about fiction; attention to generic conventions and critical perspectives; section emphasis may vary; consult departmental handout.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 215 - Introduction To Drama & Poetry**

The course is designed to develop in students an ability to understand, analyze and evaluate drama and poetry. The first half of the course focuses on drama and introduces the student to plays from the Greek classics through the twentieth century. The second half of the course emphasizes poetry that reflects different forms, subjects, themes and points of view. Since reading is a major focus of this course, students will practice a variety of interrelated reading and interpretative skills. Students’ writing should move beyond paraphrasing into analysis, interpretation and argumentation.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**Social/Behavioral Sciences 6 hours (3 at 200 level)**

**ECON 201 - Macroeconomics**

A study of price and output determination, theories of production, determination of prices in regulated and unregulated industries, functional distribution of income, and international economics.

**ECON 202 - Microeconomics**
A study of economics, economic concepts and economic institutions. Emphasizes the operation and function of a market economy while analyzing economic problems related to income, employment, the business cycle, money and banking, growth and development.

Prerequisites: ECON 201

GEOG 202 - Cultural Geography

Introduction to the concepts, themes and techniques of cultural geography; topical discussion of religion, politics, language, population, agriculture, urbanization, environmental and social problems.

GEOG 205 - Physical Geography

Introduction to the concepts, themes and disciplines of physical geography. Discussion of atmospheric moisture, pressure and temperature, plate tectonics, volcanism, weathering and mass wasting, diastrophism, coastal processes, fluvial processes, global ecosystems and weather systems.

POLI 110 - American Government

The principles, institutions, processes and functions of government. Emphasis is on the national government, the development of our constitutional system and the role of the citizen in the democratic process.

PSYC 201 - Introduction To Psychology

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.
PSYC 225 - Child Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

Physical, intellectual, social and emotional factors in child growth and development.

Prerequisites: PSYC 201.

PSYC 226 - Developmental Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

Physical, psychological, and social aspects of the individual from conception to death. Cultural, social, and hereditary factors that affect the individual’s behavior throughout the life cycle.

Prerequisites: PSYC 201 with a “C” or higher.

PSYC 227 - Adolescent Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

A study of the physical and mental growth of youth during the period of adolescence and the transition from childhood to adulthood.

Prerequisites: PSYC 201 with a “C” or higher.

SOCL 201 - Introduction To Sociology

Total Credits = Cr. 3
Lecture = Lec. 3;

As an introduction to the discipline of sociology, this course surveys and provides students with an understanding of human society and social life. It introduces students to the major subject areas of sociology, including the major theoretical perspectives and theorists; logic and techniques of research; social organization, institutions, and inequality and social change.

SOCL 202 - Contemporary Social Problems

Total Credits = Cr. 3
Lecture = Lec. 3;
A description and sociological analysis of major contemporary social problems in American society. The focus is on both the individual and societal levels (on both social action and social structure) and on the reciprocal relationship between them.

**Prerequisites:** SOCL 201 with “C” or higher.

**Math/A.R. 10 hours**

**MATH 220 - Calculus I**

Total Credits = Cr. 5  
Lecture = Lec. 5;

This is the first course of a three course sequence. The concept of a limit is introduced, and it is used to develop the concepts of continuity and the derivative. These are studied numerically, graphically, and analytically for a wide variety of elementary, and transcendental functions. Applications of the derivative relating to curve sketching, related rates, and optimization are developed. Definite and indefinite integrals, the Fundamental Theorem of Calculus, and applications of the integral are also introduced.

**Prerequisites or Corequisites:** Successful completion of MATH 105/MATH 110 and MATH 111 or MATH 120, or by permission of department head.

**MATH 221 - Calculus II**

Total Credits = Cr. 5  
Lecture = Lec. 5;

This is the second course of a three course sequence. The course continues with additional applications of the integral relating to volume, work, arc length, and surface area. Additional techniques of integration for a wide variety of functions are also developed. Other topics include: parametric equations, polar coordinates, infinite sequences and series, Taylor Polynomials, and vectors.

**Prerequisites:** A grade of “C” or higher in MATH 220.

**Humanities 6 hours**

Recommended: a history sequence, speech course, or foreign language series

**FREN 101 - Elementary French I**

Total Credits = Cr. 3  
Lecture = Lec. 3
A beginning course designed for students with no previous knowledge of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

**FREN 102 - Elementary French II**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

A continuation of FREN 101, designed for students who have completed one semester of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

**Prerequisites:** FREN 101

**FREN 201 - Intermediate French**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** FREN 101, FREN 102

**FREN 202 - Intermediate French**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** FREN 101, FREN 102, FREN 201

**HIST 101 - Western Civilization To 1650 A.D.**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

A survey of civilization of the world to 1650. Major emphasis on western civilization.

**HIST 102 - Western Civilization Since 1650 A.D.**
A survey of civilization of the world from 1650 to the present. Major emphasis on western civilization.

**HIST 201 - History Of The United States 1492-1877**

A survey of United States history from discovery through Reconstruction.

**HIST 202 - History Of The Us 1877-present**

A survey of United States history from Reconstruction to the present.

**SPCM 110 - Fundamentals Of Speech**

This course develops an awareness of the history and traditions of speech communication worthy of academic study. The course is a summary of this academic and professional field and is comprised of the component parts of organizational and business communication, mass communication, small group and interpersonal communication, as well as public speaking.

**SPCM 120 - Intro To Public Speaking**

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

**SPCM 130 - Interpersonal Communication**
This speech and personal communication course is designed for students who are interested in improving their personal knowledge and practice of the principles that govern their interpersonal (usually one-to-one) and intrapersonal (within oneself) communication behavior on a daily basis. This course applies to personal, social and professional context interactions and relationships that often govern their success personally, professionally and in everyday social activities.

**SPAN 101 - Elementary Spanish I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;  

An introduction to Spanish language and culture. The course explores the basic grammatical structures of the Spanish language. Throughout the semester, students will develop writing, reading and speaking skills. Emphasis will be placed on communicative skills.

**SPAN 102 - Elementary Spanish II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;  

A continuation of SPAN 101. The course will extend students’ elementary knowledge of the basic grammatical structures of the Spanish language. Throughout the semester, students will continue to develop reading, writing and speaking skills. Emphasis will be placed on communication skills.  

**Prerequisites:** SPAN 101 with “C” or higher

**SPAN 201 - Intermediate Spanish I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;  

This course is designed to build upon and extend students’ elementary knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.  

**Prerequisites:** SPAN 102 with “C” or higher

**SPAN 202 - Intermediate Spanish II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;  

This course is designed to build upon and extend students’ intermediate knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.
communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** SPAN 201 with “C” or higher

**Other options:**

*Choose other humanities course(s) from above list, literature list or from:*

**PHIL 201 - Introduction To Philosophy**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**;

An introduction to philosophical ideas, problems and methods through a study of important philosophers and the major systems of philosophy. Topics to be covered may include appearance and reality, human nature, nature of knowledge, relation of mind with body, the right and the good, the existence of God, and freedom and determinism.

**Fine Arts 3 hours**

**ARTS 120 - Art Appreciation**

(Formerly ARTS 101)

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

Lecture and discussion of the visual arts with emphasis on how and why works have been created in present and earlier times. All major forms of drawing, painting, printmaking, sculpture, design and architecture are explored in basic terms.

**ARTS 201 - Survey Of Art History I**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

This survey course is an introduction to the history of visual art through the study of selected masterworks from the prehistoric period through the Gothic.

**ARTS 202 - Survey Of Art History II**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**
This survey course is an introduction to the history of visual art through the study of selected masterworks from the Renaissance to Modern time.

**MUSC 101 - Music Appreciation**

**Total Credits = Cr. 3**
**Lecture = Lec. 3;**

This course is designed to foster an understanding of music through the study of selected examples of musical works. Emphasis is placed upon the analysis of compositions in conjunction with references to cultural and historical developments.

**THEA 190 - Theatre Appreciation**

**Total Credits = Cr. 3**
**Lecture = Lec. 3;**

This course seeks to improve both the appreciation for and understanding of theatre art that includes the structure, focus and purpose of dramatic literature, its presentation (acting), and directing/managing, as well as physical designing (scenery, lighting, costumes, make-up) and related theatrical elements. This course, where possible, includes attendance at local theatrical presentations.

**Natural Sciences 17 hours**

Complete all 11 hours:

**CHEM 110 - Chemistry I**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on atomic structure, periodicity, bonds, thermochemistry, molecular geometry, gas laws, solutions, and stoichiometry. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in College Algebra or and ACT score of 20 in math.
**Corequisites:** None

**CHEM 111 - Chemistry I Lab**
Laboratory designed to accompany CHEM 110, includes introduction to basic laboratory skills and operations including experiments dealing with physical and chemical properties, chemical reactions, and solution chemistry.

**Prerequisites:** None  
**Corequisites:** Enrollment in or completion of CHEM 110 with a “C” or better.

**CHEM 120 - Chemistry II**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on reaction kinetics and equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and the chemistry of metals and nonmetals. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in CHEM 110.  
**Corequisites:** None

**CHEM 121 - Chemistry II Lab**

Total Credits = Cr. 1  
Lecture = Lab 3

Laboratory designed to accompany CHEM 120; included in the laboratory component are experiments in qualitative inorganic analysis, acid/base properties, and titration.

**Prerequisites:** None  
**Corequisites:** Enrollment in or completion of CHEM 120 with a “C” or better.

**BIOL 201 - Principles Of Biology I**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course covers the concept of scientific methodology, genetics, cell structure and development, evolution and ecology and provides a laboratory component that coincides with the lecture; Designed for students majoring in a science related field.

**Prerequisites:** Eligibility for ENGL 101 and MATH 110 and successful completion of PHSC 120 or a high or college level chemistry.

Choose 6 hours f/list:
Recommended

If a corresponding lab is offered, it may be taken and applied toward this requirement or toward the Natural Science & Humanities Electives requirement.

**BIOL 202 - Principles Of Biology II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course covers the concepts of human evolution and effects on ecology, ecological interactions, natural selection, adaptation, speciation and phylogeny.

**Prerequisites:** Grade of “C” or higher in BIOL 201  
- Organic Chem I 3 hrs.  
- Organic Chem II 3 hrs.

**GEOL 101 - Physical Geology**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

An introduction to the scope of geology, the external and internal features of the earth such as landforms, and the agents which are responsible for them including volcanoes, glaciers, earthquakes, wind and running water.

**GEOL 102 - Historical Geology**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

The development, changes and destruction of the land features and sea areas of the earth and the changing panorama of plant and animal life from the earth’s origin to the present day.

**Prerequisites:** Successful completion of GEOL 101, Physical Geology, with a grade of “C” or higher or by special permission.

**PHYS 210 - General Physics I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This first semester of a two-semester sequence is an overview of basic concepts and principles of mechanics, heat, and sound. This course is intended for science majors.
Prerequisites: Successful completion of MATH 111, Plane Trigonometry, with a grade of “C” or higher; Corequisites: Concurrent enrollment in PHYS 211, General Physics I Laboratory

**PHYS 220 - General Physics II**

Total Credits = Cr. 3
Lecture = Lec. 3;

This second semester of a two-semester sequence is an overview of basic concepts and principles of optics, electricity, magnetism, and other topics of modern physics. This course is intended for science majors.

Prerequisites: Successful completion of PHYS 210 & PHYS 211 with a grade of “C” or higher; Corequisites: Concurrent enrollment in PHYS 221, General Physics II Laboratory

Other Options

If a corresponding lab is offered, it may be taken and applied toward this requirement or toward the Natural Science & Humanities Electives requirement.

**ATMO 101 - Intro To Weather & Climate I**

(formerly PHSC 112)

Total Credits = Cr. 3
Lecture = Lec. 3

This course will present an integrated approach to basic meteorology. Basic science skills, such as the scientific method will be highlighted, through meteorology. Meteorology concepts such as structure of the atmosphere, solar radiation, temperature, and atmospheric stability will be covered.

Prerequisites: None
Corequisites: None

**ATMO 102 - Intro To Weather & Climate I**

(formerly PHSC 113)

Total Credits = Cr. 3
Lecture = Lec. 3

This course will explore the dynamic atmosphere including topics of air masses, weather forecasting, and an in-depth view into severe weather and hurricanes will also be discussed and debated as it pertains to current trends of global warming.

Prerequisites: None
Corequisites: None
**BIOL 210 - General Microbiology**

(formerly BIOL 212)

**Total Credits = Cr. 3**  
Lecture = Lec 3

Course presents an integrated approach to essential concepts in Microbiology and provides a foundation for practical, hands-on work and critical thinking that are a part of science and medical based professions (for science majors).

**Prerequisites:** Successful completion of BIOL 221 and BIOL 223 with a grade of “C” or higher.  
**Corequisites:** Concurrent enrollment in BIOL 211, General Microbiology Laboratory

**BIOL 221 - Human Anatomy And Physiology I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body. The emphasis of the lecture will be on the physiology of organs and tissues. Topics covered will include the human organism, chemical basis of life, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, spinal cord, spinal nerves, brain, cranial nerves, and integration of nervous system functions, autonomic nervous system and special senses. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Eligibility to enroll in ENGL 101 and MATH 110 and successful completion of PHSC 120 or high school or college level chemistry.  
**Corequisites:** Concurrent enrollment in BIOL 223, Human Anatomy & Physiology I Laboratory.

**BIOL 222 - Human Anatomy & Physiology II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body covering the endocrine system, cardiovascular, lymphatic (immune), respiratory, digestive, urinary and reproductive systems, development, growth, aging, nutrition, acid base balance and genetics. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Completion of BIOL 221 and BIOL 223 with a grade of C or better.  
**Corequisites:** Concurrent enrollment in BIOL 224, Human Anatomy & Physiology II Laboratory.

**BIOL 228 - Pathophysiology**

**Total Credits = Cr. 3**
A detailed study of the mechanisms of disease, alterations in body defenses and the effects on the following body systems: hematological, cardiovascular, respiratory, urinary, gastrointestinal, endocrine, reproductive, nervous, skeletal and integumentary.

**Prerequisites:** Completion of BIOL 221, BIOL 222, BIOL 223 & BIOL 224 with a grade of “C” or higher in each.

**BIOL 230 - Principles Of Zoology**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

This course is designed for students with majors and minors in biological science. The course presents the major concepts of biology as illustrated by animal life and studies selected vertebrates as laboratory animals. An introduction to the anatomy, physiology, classification, and relationships of major animal phyla will be covered. Emphasis will be placed on levels of organization, reproduction, evolution of animal life, diversity and the environment. This course may be used as a general science elective to satisfy the core content requirements.

**Prerequisites:** Eligibility for MATH 110 and ENGL 101; Successful completion of PHSC 120 or high school or college level chemistry.

**PHSC 100 - Physical Science I**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

This course is a presentation of an integrated approach to essential concepts in physics such as motion, gravity, heat, electricity, magnetism, sound and light and to emphasize the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

**Prerequisites:** Eligibility to enroll in MATH 99 or higher level math

**PHSC 120 - Physical Science II**

**Total Credits = Cr.3**  
**Lecture = Lec.3**

This course introduces the student to the following concepts of basic chemistry: atoms and their structure, atomic models, atomic nucleus and electron configuration, mixture, bonding, acids and bases, and oxidation and reduction.

**Prerequisites:** Eligibility for MATH 99 or higher level math

**SCIE 101 - Introductory Earth Science I**
Total Credits = Cr.3
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science with an emphasis on the following: geology with an introduction to oceanography, meteorology, and astronomy. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. Field trips may be arranged, but not required.

Prerequisites: None;
Corequisites: None

SCIE 102 - Introductory Earth Science II

Total Credits = Cr.3
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. General Earth Science 102 will include the following disciplines: geology, oceanography, meteorology, and astronomy with emphasis on oceanography, meteorology, and astronomy. Field trips may be arranged, but not required.

Prerequisites: None- Students may enroll in SCIE 102 without having taken SCIE 101;
Corequisites: None

SCIE 114 - Environmental Science & Lab

Total Credits = Cr 3
Lecture = Lec. 3;

Study of the interactions of human activity with the environment and the future impact of these actions. Ecological, impact, sustainable management and risk analysis will be integrated throughout the course.

Prerequisites: Completion of MATH 110 with a grade of “C” or higher.
  • or other natural sciences approved by advisor

Natural Science & Humanities Electives 9 hours

Choose from departments listed below. Taking courses recommended in previous natural science and humanities sections is encouraged, as are labs for previously recommended science lectures.

Natural Science Electives

  • Atmospheric Science - ATMO
  • Biological Sciences - BIOL
  • Chemistry - CHEM
  • Geology - GEOL
Physical Science - PHSC
Physics - PHYS
Science - SCIE

Humanities

- English - ENGL
- Foreign Language - FREN or SPAN
- History - HIST
- Philosophy - PHIL
- Speech - SPCH

Other

- MATH 210 - MATH

Note(s):

Completion of the Associate of Arts/Science Louisiana Transfer (AALT, ASLT) degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an AALT/ASLT degree.

Additional Information

Course Selection

1 Students who have completed an approved 3- to 4-credit hour equivalent of Calculus I must make up the missing hour(s) in the Natural Science & Humanities Electives section.

2 If a corresponding lab is offered, it may be taken and applied toward this requirement or toward the Natural Science & Humanities Electives requirement.

Completing an Associate of Arts/Science Louisiana Transfer Degree (AALT/ASLT) at LDCC

- A student’s placement in English and math courses will be determined by ACT, SAT, and/or COMPASS scores. As a result of these scores, some students may be required to take developmental classes in preparation for the English and math classes required for the transfer degree. Note: When appropriate, previous college work will be used to determined placement in these subject areas.
- A course may be applied only once for degree credit.
- Transfer coursework is unofficial until all official transcripts are evaluated and posted.
- To graduate with the AALT or ASLT, students must have LDCC and adjusted cumulative grade-point averages of 2.00.
- Students should refer to the LDCC General Catalog for a detailed explanation of graduation requirements.

Transferring to a University with an AALT or ASLT Degree
Advising and planning are key to a student’s success in maximizing the transfer experience. All students who might eventually transfer from one institution to another should develop, with an advisor’s assistance, a written degree plan of courses to take for the transfer associate degree. Whenever possible, students should use the transfer degree requirements to satisfy the admission requirements of the university to which they wish to transfer; the university’s senior college, departmental, and/or program admission requirements; and course requirements for the baccalaureate degree. Additionally, a student with coursework from multiple institutions may need to contact the Campus Transfer Ombudsman* at the transfer university for information regarding the applicability of non-LDCC coursework toward the intended major at the university.

Completion of the AALT or ASLT does not guarantee that a student will have the grade-point average necessary for admission to the university, senior college, department, program, etc, to which a student wishes to transfer. It is therefore essential that students find out these requirements* as early as possible.

*To identify the Campus Transfer Ombudsman (or designated contact person) or GPA requirements for the university to which you wish to transfer, visit the statewide articulation web site. Links to each participating institution’s articulation web site can be found here with other helpful academic resources.

Note(s):

Completion of the Associate of Arts/Science Louisiana Transfer (AALT, ASLT) degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an AALT/ASLT degree.

Process Technology

Process Technology, A.A.S.

Process technology operators control and monitor the systems that run industrial plants. Operators gather information using instrumentation and lab equipment to maintain safe work areas and keep plants in compliance with regulatory requirements. Operators work both indoors and outdoors alongside engineers, chemists and other professionals. Operators use knowledge of computers, math, physics and chemistry to keep industrial plants running safely and efficiently. They require strong communications skills – the ability to write, express views orally and listen – in order to succeed at their jobs.

The objectives of the AAS in Process Technology program are to prepare graduates to:

• work effectively in chemical, petrochemical, oil and gas production, energy, pulp and paper, and pharmaceutical industries.
• be aware of safety procedures, hazards, housekeeping, and appropriate cautions in industry.
• demonstrate up-to-date understanding of the technical aspects of process technology.

AAS in Process Technology - Program of Study

First Semester
ACSE 100 - Academic Seminar

Total Credits = Cr. 1
Lecture = Lec. 1

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average. Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.

ENGL 101 - English Composition I

Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

MATH 110 - College Algebra

Total Credits = Cr. 3
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

CINS 101 - Introduction To Computers

Total Credits = Cr. 3
Lecture = Lec. 3

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.

PTEC 101 - Intro To Process Technology

Total Credits = Cr. 3
Lecture = Lec. 3;

This course introduces students to the field of process operations within the process industry. It reviews the roles and responsibilities of process technicians, the environment in which they work, and the equipment and systems which they operate.

**Prerequisites:** Must be eligible for MATH 99 and ENGL 99.

**PTEC 131 - Process Instrumentation**

**Total Credits = Cr. 3**
Lecture = Lec. 2, / Laboratory = lab 2;

This course involves the study of the instruments and instrument systems used in the chemical processing industry including terminology, primary variables, symbology, control loops, and basic troubleshooting.

**Prerequisites:** Must be eligible for MATH 99 and ENGL 99.

Total: 16 Hours

Second Semester

**ENGL 102 - English Composition**

**Total Credits = Cr. 3**
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

**Prerequisites:** ENGL 101 with a grade of “C” or higher.

**CHEM 101 - General Chemistry**

**Total Credits = Cr. 3**
Lecture = Lec. 3

An introduction to chemistry, this course presents the basics of inorganic chemistry including the following topics: scientific measurements and calculations, elements and compounds, bonding, stoichiometry, calorimetry, gases, solutions and concentrations, acids and bases. Integrated into this course are problem-solving and quantitative approaches. This course is intended for non-science and pre-allied health majors.

**Prerequisites:** Completion of MATH 110 with a grade of “C” or higher; Grade of “C” or better in College Algebra or and ACT
score of 20 in math.

Corequisites: Concurrent enrollment in CHEM 103;

CHEM 103 - General Chemistry I Lab

Total Credits = Cr. 1
Lecture = Lab 3

Laboratory designed to accompany CHEM 101, General Chemistry I; Integrated into this course are problem-solving and quantitative approaches. Laboratory component includes introduction to basic laboratory skills and operations, including experiments dealing with physical and chemical properties, chemical reactions, and solution chemistry.

Prerequisites or Corequisites: Concurrent enrollment in or successful completion of CHEM 101 with “C” grade or higher.

MATH 117 - A Survey Of Mathematics

Total Credits = Cr. 3
Lecture = Lec. 3;

Course covers topics from critical thinking skills, logic, the real number system, geometry and measurement, consumer mathematics, counting principles, probability, and statistics (including the normal curve).

Prerequisites: Grade of “C” or higher in MATH 105 or MATH 110

PTEC 132 - Process Instrumentation II

Total Credits = Cr. 3
Lecture = Lecture 2, / Laboratory = Lab 2;

Continues Instrumentation I using actual demonstration units. Introduces switches, relays, annunciator system, signal conversion, transmission, controllers, control schemes, advance control schemes, digital control, programmable logic controls, distribution control systems, instrumentation malfunctions.

Prerequisites: Successful completion of PTEC 101 and PTEC 131 with a grade of “C” or higher.

PTEC 161 - Equipment

Total Credits = Cr. 3
Lecture = Lec. 2; / Laboratory = Lab 2;

This course introduces equipment used in the process industry. It also studies many process industry-related equipment concepts including purpose, components, and operation.

Prerequisites: Successful completion of PTEC 101 and PTEC 131 with a grade of “C” or higher.
Total: 16 Hours

Third Semester

**PHSC 100 - Physical Science I**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course is a presentation of an integrated approach to essential concepts in physics such as motion, gravity, heat, electricity, magnetism, sound and light and to emphasize the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

**Prerequisites:** Eligibility to enroll in MATH 99 or higher level math

**PHSC 110 - Physical Science I Lab**

Total Credits = Cr. 1  
/ Laboratory = Lab 3;

This laboratory is designed to accompany and enhance the lecture course Physical Science I (PHSC 100). Activities and exercises will address concepts presented in PHSC 100 in addition to emphasizing the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

**Prerequisites or Corequisites:** Concurrent enrollment in or successful completion of PHSC 100 with a grade of “C” or higher

**PTEC 203 - Safety Health And Environment**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Introduces various types of plant hazards, safety, and environmental systems and equipment, and regulations under which industry is governed.

**Prerequisites:** Must be eligible for MATH 99 or higher level Math.

**PTEC 242 - Systems**

Total Credits = Cr. 4
Studies the interrelation of process equipment and process systems by arranging process equipment into basic systems; by describing the purpose and the function of specific process systems; by explaining how factors affecting process systems are controlled under normal conditions; and recognizing abnormal process conditions. Introduces the concept of system and plant economics.

**Prerequisites:** Successful completion of PTEC 132 and PTEC 161 with a grade of “C” or higher.

---

**PTEC 243 - Operations/Capstone**

**Total Credits = Cr. 4**  
Lecture = Lec. 3; / Laboratory = Lab 2;  

Teaches the operation of an entire unit within the process industry using existing knowledge of equipment, systems, and instrumentations. Studies concepts related to commissioning, normal startup, normal operations, normal shutdown, turnarounds, and abnormal situations, as well as the process technician’s role in performing the tasks associated with these concepts within an operating unit. Project required.

**Prerequisites:** Successful completion of PTEC 132 and PTEC 161 with a grade of “C” or higher.  
- Social/Behavioral Science 3 hrs.

---

**Total: 17 Hours**

---

**Fourth Semester**

- Humanities 3 hrs.

**PTEC 207 - Quality**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;  

This course introduces students to industry and laboratory related quality concepts including operating consistency, continuous improvement, economics, team skills, root cause analysis/scientific reasoning, precision and accuracy of measuring system and statistical process control.

**Prerequisites:** Must be eligible for MATH 99 or higher level Math.

---

**PTEC 244 - Troubleshooting**
This course applies a six-step troubleshooting method for solving and correcting operation problems. There is a focus on malfunctions as opposed to process design or configuration improvements. This course uses data from the instrumentation to determine the cause for the abnormal conditions in an organized and regimented way.

**Prerequisites:** Successful completion of PTEC 132 and PTEC 161 with a grade of “C” or higher.

### PTEC Related Elective

#### PTEC 263 - Fluid Mechanics

**Total Credits = Cr. 3**
Lecture = Lec. 2; / Laboratory = Lab 2;

This course addresses fluids, fluid types, chemical and physical natures and factors affecting fluids while in motion. Reviews basic calculations relative to flow and volume. Discusses other topics such as laminar/turbulent flow, viscosity, and Reynolds Number.

**Prerequisites:** PTEC 161 with a grade of “C” or higher.

#### ENGL 220 - Technical Writing

**Total Credits = Cr. 3**
Lecture = Lec. 3

Development of written communication skills required in the technical, professional, and scientific workplace. Course includes preparation of reports, proposals, memorandums, letters, abstracts, and other writing assignments, including a research paper.

**Prerequisites:** ENGL 102 and CINS 101 with a grade of “C” or higher.

(Fourth Semester-continued)

#### PTEC 291 - Process Tech Internship

**Total Credits = Cr. 3**
Lecture = Lec. 1; / Laboratory = Lab 9;

Students qualifying for an external internship must work a minimum of 140 supervised hours in a local industrial facility.
Students who are unable to obtain an external internship will be required to take an internal internship consisting of 140 hours of departmentally approved team activities utilizing the PTEC laboratories and simulation programs. Drug screen required.

**SPCM 120 - Intro To Public Speaking**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

**Total: 18 Hours**

**Note(s):**

- ‡ Humanities Elective: ENGL Literature courses, HIST, HUMN and PHIL
- † Fine Arts Elective: ARTS, MUSC, THEA
- ^ CDYC Elective must be approved by the student’s advisor and may be taken from the following: CDYC or EDUC
- * Students placing in any 095 developmental courses OR two or more developmental courses are required to take Academic Skills Seminar
- – ACSE 101, 3 credit hours.

**School of Liberal Arts**

**The Louisiana Transfer Associate Degree**

The transfer associate degree is designed to provide students with an opportunity to complete the first 60 hours of work toward a baccalaureate degree at a two-year or community college. Students who successfully complete a designated transfer associate program are eligible to enter a four-year public university as a junior, with all 60 (non-developmental) credits transferring to the receiving university.

The Louisiana transfer associate degree consists of a 39-hour General Education (GenEd) block and a 21-hour block of additional course work. Students who enter a four-year public university with this degree in hand will have met the institution’s general education requirements and will be granted upper division (junior) status, with all of its concomitant rights and privileges. This guarantee applies to those who successfully complete the degree with a grade of “C” or better in each course.

Students may complete either an Associate of Arts/Louisiana Transfer (AA/LT) or Associate of Science/ Louisiana Transfer (AS/LT) degree, depending on interests and aspirations for further study toward the baccalaureate. Upon deciding on a prospective major, it is important that students do some research and seek advice about what the program’s prerequisite courses are so that they may be completed as a part of the AA or AS degree.

**IN SUMMARY, the Louisiana Transfer Associate Degree® guarantees:**
• Admission to a 4-year public university;
• Junior-level standing;
• Transfer of all 60 hours;
• Completion of General Education block requirements at any Louisiana public university;
• Equal opportunity to compete against ‘native’ students for admission to limited access programs.

* with grade requirement met

The Louisiana Transfer Associate Degree does not guarantee:

• Admission to every university or degree program: student must meet institutional or degree program admission requirements (e.g., GPA, specific course completions, etc);
• That the courses taken for the transfer degree will meet specified course requirements of the major.

Advising

Advising and planning are key to a student’s success in maximizing the transfer experience. All students who might be considering an eventual transfer from one institution to another should develop, with an advisor’s assistance, a written degree plan of courses to take for the transfer associate degree. It is the student’s responsibility, with professional advice, to choose the array of courses that will optimize preparation for admission into specific senior colleges and timely completion of expected degree programs. Review of the degree plan will provide an opportunity to reflect on the qualifications conferred by the two-year transfer associate, which awards junior standing in a Louisiana public university.

Grades

Graduates of the designated Transfer Associate of Arts or Associate of Science degree programs must have achieved a grade of “C” or better in each course of the 60 hours applied toward the degree to qualify for block transfer guarantees. (Developmental courses do not apply to degree requirements.)

Student Benefits & Responsibilities for the Transfer Associate Degree:

1. The Louisiana Transfer Associate Degree guarantees admission to a Louisiana public 4-year university. However, admission to some high demand programs is competitive and can be based on grade point average and other academic requirements.

   It is the student’s responsibility to research and fulfill the admission requirements for such programs.

2. The Louisiana Transfer Associate Degree guarantees that transfer students will have an equal opportunity to compete with ‘native’ students to enter limited access programs at 4-year universities. It is the student’s responsibility to know the transfer admission requirements and to be as prepared as possible to compete for a place in the program.

3. The Louisiana Transfer Associate Degree guarantees that all 60 credits will transfer to the Louisiana public 4-year university.

   However, if a student transfers prior to completing the 60 credit associate transfer degree, s/he may find that some courses do not transfer or that s/he is required to take additional courses to meet the general education requirement at the receiving 4-year university.
4. Graduates of the designated transfer Associate of Arts or Associate of Science degree programs must have achieved a grade of “C” or better in each course of the 60 hours applied toward the degree to qualify for block transfer guarantees.

5. The Louisiana Transfer Associate is a two-year portable academic credential which awards junior standing in any Louisiana public university.

Advising and planning are key to success. All students who might be considering an eventual transfer from one campus to another should develop, with an advisor’s assistance, a written degree plan. It is the student’s responsibility to choose the array of courses that will optimize preparation for admission into specific senior colleges and timely completion of the expected baccalaureate major.

General Studies and Behavioral/Social Sciences

Associate of General Studies, A.G.S.

The Associate of General Studies is designed to allow students greater flexibility to develop a degree program tailored to their individual needs, whether students intend to earn a degree and begin work or continue at a fouryear institution to pursue a bachelor’s degree. The degree provides a strong academic skill foundation through eight courses in general education, and offers students an opportunity to explore other careers or areas of study through a major (six courses) and minor (three courses) concentration. To be awarded this degree, students must have a cumulative GPA of 2.00 or better in all credits toward the degree, minimum of 18 credit hours in major thematic concentration with a 2.00 in each course, a minimum of 9 credit hours in minor concentration with a 2.00 GPA, and complete the following course work:

Program of Study

- **Major Concentration Area** 18 hrs.
- **Minor Concentration Area** 9 hrs.

Total: 27 hours

General Education Requirements (GER)

- English Composition 6 hrs.
- Mathematics 3 hrs.
- Natural Science 6 hrs.
- Fine Arts 3 hrs.
- Humanities 3 hrs.
- Social/Behavioral Science 6 hrs.

Total: 27 hours
Required Related Courses

- Speech Communication 3 hrs.
- Introduction to Computers 3 hrs.
- Academic Seminar 1 hr.

Total: 7 hours

Total Hours: 61 Credit Hours

Concentration Areas

Group 1 (Art & Humanities)

- Art
- English
- Foreign Language
- History
- Humanities
- Mass Communication
- Music
- Speech
- Theater

Group II (Natural Sciences)

- Biology
- Chemistry
- Earth Science
- Geology
- Physical Science
- Physics

Group III (Behavioral/Social Sciences)

- Anthropology
- Criminal Justice
- Economics
- Education
• Geography
• Government/Public Administration
• Kinesiology
• Psychology
• Social Work
• Sociology

Group IV (Business)

• Accounting
• Business
• Computer Information System
• Finance
• Management
• Marketing

Group V (Applied Sciences)

• Agriculture
• Agronomy
• Animal Science
• Computer Science
• Engineering
• Family & Consumer Science
• Health Science/Nursing
• Mathematics
• Process Technology

Associate of General Studies

First Semester

ACSE 100 - Academic Seminar

Total Credits = Cr. 1
Lecture = Lec. 1

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average. Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.
ENGL 101 - English Composition I

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

MATH 110 - College Algebra

Total Credits = Cr. 3  
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.
  • Natural Science (GER) 3 hrs.
  • Social/Behavioral (GER) 3 hrs.
  • Concentration Area 3 hrs.

Total: 16 hours

Second Semester

ENGL 102 - English Composition

Total Credits = Cr. 3  
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

Prerequisites: ENGL 101 with a grade of “C” or higher.
  • Natural Science (GER) 3 hrs.
  • Social/Behavioral Science (GER) 3 hrs.
  • Concentration Area 3 hrs.
  • Concentration Area 3 hrs.
Total: 15 hours

Third Semester

- Concentration Area 3 hrs.

**SPCM 110 - Fundamentals Of Speech**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course develops an awareness of the history and traditions of speech communication worthy of academic study. The course is a summary of this academic and professional field and is comprised of the component parts of organizational and business communication, mass communication, small group and interpersonal communication, as well as public speaking.

**SPCM 120 - Intro To Public Speaking**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

**CINS 101 - Introduction To Computers**

Total Credits = Cr. 3  
Lecture = Lec. 3

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.

- Concentration Area 3 hrs.

Fine Arts (3 hours)
ARTS 120 - Art Appreciation

(Formerly ARTS 101)

Total Credits = Cr. 3
Lecture = Lec.3

Lecture and discussion of the visual arts with emphasis on how and why works have been created in present and earlier times. All major forms of drawing, painting, printmaking, sculpture, design and architecture are explored in basic terms.

MUSC 101 - Music Appreciation

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is designed to foster an understanding of music through the study of selected examples of musical works. Emphasis is placed upon the analysis of compositions in conjunction with references to cultural and historical developments.

THEA 190 - Theatre Appreciation

Total Credits = Cr. 3
Lecture = Lec. 3;

This course seeks to improve both the appreciation for and understanding of theatre art that includes the structure, focus and purpose of dramatic literature, its presentation (acting), and directing/managing, as well as physical designing (scenery, lighting, costumes, make-up) and related theatrical elements. This course, where possible, includes attendance at local theatrical presentations.

Total: 15 hours

Fourth Semester

- Concentration Area 12 hrs.
- Humanities Course (GER) 3 hrs.

Total: 15 hours

Total Hours: 61 Credit hours
Note(s):

* Students placing in any 095 developmental courses OR two or more developmental courses are required to take Academic Skills Seminar- ACSE 101, 3 credit hours.

Certificate of General Studies, C.G.S.

The Certificate of General Studies (CGS) is designed to provide a foundation of fundamental academic skills in English, math, natural science, arts, humanities, and social and behavioral sciences. The CGS allows students to explore career opportunities and prepare for collegiate studies. The curriculum also provides students with general skills that will enhance employment opportunities. The flexible CGS framework allows students that plan to transfer to other two-year and four-year colleges and universities to select courses which will meet admission requirements or programmatic requirements at receiving institutions. Louisiana universities with selective admission require the completion of between 12-24 credit hours of college-level coursework.

The CGS curriculum consists of 30 credit hours of freshman-level courses. The courses will fulfill general education requirements at most two-year and four-year institutions in Louisiana and the nation. Eight courses (24 credit hours) are to be selected from courses listed on the Louisiana Board of Regents General Education Matrix, which assures transferability to other colleges and universities in the state of Louisiana.

Program of Study: Certificate of General Studies

General Education Requirements

- Mathematics (College Algebra) 3 hrs.
- Fine Arts 3 hrs.
- Humanities 3 hrs.
- Natural Science 3 hrs.
- Social/Behavioral Science 3 hrs.

English Composition

ENGL 101 - English Composition I

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

ENGL 102 - English Composition
Students will master the principles of researched writing and complete an accurately documented research paper.

**Prerequisites:** ENGL 101 with a grade of “C” or higher.

**General Education Elective**

- Humanities, Mathematics, Natural Science 3 hrs. or
- Behavioral/Social Science

**Certificate Elective Area of Choice**

- Two 3-credit hour courses 6 hrs.

**Total Hours: 30 Credit Hours**

---

**Care and Development of Young Children**

**Care and Development of Young Children, A.A.S.**

The Associate of Applied Science in Care and Development of Young Children is designed as a degree program to meet the needs of those pursuing a career in early childhood development and the new guidelines established by the United States Department of Education as a part of the No Child Left Behind (NCLB) legislation. To be awarded this degree, students must have a cumulative GPA of 2.00 or better in all credits toward the degree and complete the following course work:

**Program of Study**

**Core Courses**

**CDYC 101 - Foundations Of Early Childhood Development**

**Total Credits = Cr. 3**

**Lecture = Lec. 3**
Overview of Early Childhood Education, including personal and professional growth and development, learning theories, ethical standards, and current issues and trends in Early Childhood Education.

**CDYC 103 - The Learning Environment**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course introduces concepts, policies and procedures necessary to create and maintain a safe and healthy learning environment for young children.

**CDYC 165 - Language & Literacy In Early Childhood**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course introduces students to the developmental stages and theories of language and promotes an understanding of individual and cultural differences in language. Actual methods and developmentally appropriate practices are discussed, demonstrated and practiced.

**CDYC 211 - Child Guidance**

Total Credits = Cr. 3  
Lecture = Lec. 3

Positive guidance, discipline and behavior management techniques are learned skills that create competent, effective early childhood educators. Many educators leave the field because they lack knowledge and skills in positive guidance. This course will not only give students a background in discipline techniques but will also provide limited practical experiences with children and caregivers.

**CDYC 240 - Observation And Participation**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course presents an overview of child development with several varied methods of observing and assessing development in an actual child care setting.

Prerequisites: CDYC 101 and permission of instructor.

**CDYC 273 - Developmental Curriculum And Materials In Early Childhood**
Planning and implementing developmentally appropriate curriculum and materials for young children; required knowledge and skills in curriculum content area and in developmentally appropriate practice.

Prerequisites: CDYC 101

CDYC 298 - Practica In Early Childhood Development

Total Credits = Cr. 6
Lecture = Lec 1 / Laboratory = Lab. 18

Supervised work experience in an approved early childhood setting.

Prerequisites: All CDYC courses with a grade of “C” or better, a candidate for graduation, and permission of instructor.
- CDYC Electives 6 hrs.

Total: 30 hours

General Education Courses (GER)

ENGL 101 - English Composition I

Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

ENGL 102 - English Composition

Total Credits = Cr. 3
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

Prerequisites: ENGL 101 with a grade of “C” or higher.
MATH 110 - College Algebra

Total Credits = Cr. 3
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.

- Natural Science 3 hrs.
- Fine Arts 3 hrs.
- Humanities 3 hrs.
- Social/Behavioral Science** 3 hrs.

Total: 21 hours

Required Related Courses

CINS 101 - Introduction To Computers

Total Credits = Cr. 3
Lecture = Lec. 3

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.

ACSE 100 - Academic Seminar

Total Credits = Cr. 1
Lecture = Lec. 1

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average. Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.

SPCM 120 - Intro To Public Speaking
Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

**PSYC 225 - Child Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;  

Physical, intellectual, social and emotional factors in child growth and development.  

**Prerequisites:** PSYC 201.

**PSYC 226 - Developmental Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;  

Physical, psychological, and social aspects of the individual from conception to death. Cultural, social, and hereditary factors that affect the individual’s behavior throughout the life cycle.  

**Prerequisites:** PSYC 201 with a “C” or higher.

**HSCI 102 - Community First Aid With CPR**

Total Credits = Cr. 1  
Lecture = Lec. 1  

Basic first aid with CPR course.

Total: 11 hours

Total Hours: 62 Credit Hours

Note(s):
Psychology 201 required as Social/Behavioral Science General Education Requirement.

Associate of Applied Science in Care and Development of Young Children

First Semester

ACSE 100 - Academic Seminar

Total Credits = Cr. 1
Lecture = Lec. 1

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average. Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.

ENGL 101 - English Composition I

Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

CDYC 101 - Foundations Of Early Childhood Development

Total Credits = Cr. 3
Lecture = Lec. 3

Overview of Early Childhood Education, including personal and professional growth and development, learning theories, ethical standards, and current issues and trends in Early Childhood Education.

MATH 110 - College Algebra

Total Credits = Cr. 3
Lecture = Lec. 3

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.
Prerequisites: Placement based on placement survey of ACT score.

**PSYC 201 - Introduction To Psychology**

Total Credits = Cr. 3  
Lecture = Lec. 3;  
A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

**CDYC 103 - The Learning Environment**

Total Credits = Cr. 3  
Lecture = Lec. 3  
This course introduces concepts, policies and procedures necessary to create and maintain a safe and healthy learning environment for young children.

Total: 16 hours

**Second Semester**

**ENGL 102 - English Composition**

Total Credits = Cr. 3  
Lecture = Lec. 3  
Students will master the principles of researched writing and complete an accurately documented research paper.

Prerequisites: ENGL 101 with a grade of “C” or higher.  
- Natural Science 3 hrs.  
- Speech 120 3 hrs. or  
- Speech 110 3 hrs.

**CDYC 211 - Child Guidance**

Total Credits = Cr. 3  
Lecture = Lec. 3
Positive guidance, discipline and behavior management techniques are learned skills that create competent, effective early childhood educators. Many educators leave the field because they lack knowledge and skills in positive guidance. This course will not only give students a background in discipline techniques but will also provide limited practical experiences with children and caregivers.

**CDYC 165 - Language & Literacy In Early Childhood**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course introduces students to the developmental stages and theories of language and promotes an understanding of individual and cultural differences in language. Actual methods and developmentally appropriate practices are discussed, demonstrated and practiced.

Total: 15 hours

**Third Semester**

**PSYC 226 - Developmental Psychology**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

Physical, psychological, and social aspects of the individual from conception to death. Cultural, social, and hereditary factors that affect the individual’s behavior throughout the life cycle.

**Prerequisites:** PSYC 201 with a “C” or higher.

**CDYC 240 - Observation And Participation**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course presents an overview of child development with several varied methods of observing and assessing development in an actual child care setting.

**Prerequisites:** CDYC 101 and permission of instructor.

**CDYC 273 - Developmental Curriculum And Materials In Early Childhood**
Planning and implementing developmentally appropriate curriculum and materials for young children; required knowledge and skills in curriculum content area and in developmentally appropriate practice.

**Prerequisites:** CDYC 101

### HSCI 102 - Community First Aid With CPR

**Total Credits = Cr. 1**  
**Lecture = Lec. 1**

Basic first aid with CPR course.
- CDYC Elective^ 3 hrs.

### CINS 101 - Introduction To Computers

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.

**Total: 16 hours**

### Fourth Semester

- Fine Arts † 3 hrs.
- CDYC Elective ^ 3 hrs.

### CDYC 298 - Practica In Early Childhood Development

**Total Credits = Cr. 6**  
**Lecture = Lec 1 / Laboratory = Lab. 18**

Supervised work experience in an approved early childhood setting.
Prerequisites: All CDYC courses with a grade of “C” or better, a candidate for graduation, and permission of instructor.
  • Humanities Elective‡ 3 hrs.

Total: 15 hours

Total Hours: 62 Credit Hours

Note(s):

‡Humanities Elective: ENGL Literature courses, HIST, HUMN and PHIL

†Fine Arts Elective: ARTS, MUSC, THEA

^CDYC Elective must be approved by the student’s advisor and may be taken from the following: CDYC or EDUC

* Students placing in any 095 developmental courses OR two or more developmental courses are required to take Academic Skills Seminar
  – ACSE 101, 3 credit hours.

**Care and Development of Young Children, C.T.S.**

First Semester

**ENGL 101 - English Composition I**

Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.
  • Fine Arts† 3 hrs.

**CDYC 101 - Foundations Of Early Childhood Development**
Overview of Early Childhood Education, including personal and professional growth and development, learning theories, ethical standards, and current issues and trends in Early Childhood Education.

CDYC 103 - The Learning Environment

Total Credits = Cr. 3
Lecture = Lec. 3

This course introduces concepts, policies and procedures necessary to create and maintain a safe and healthy learning environment for young children.

- Selected Elective‡ 3 hrs.

Total: 15 hours

Second Semester

PSYC 201 - Introduction To Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

CDYC 165 - Language & Literacy In Early Childhood

Total Credits = Cr. 3
Lecture = Lec. 3

This course introduces students to the developmental stages and theories of language and promotes an understanding of individual and cultural differences in language. Actual methods and developmentally appropriate practices are discussed, demonstrated and practiced.

CDYC 211 - Child Guidance
Positive guidance, discipline and behavior management techniques are learned skills that create competent, effective early childhood educators. Many educators leave the field because they lack knowledge and skills in positive guidance. This course will not only give students a background in discipline techniques but will also provide limited practical experiences with children and caregivers.

- CDYC Elective^ 3 hrs.
- Selected Elective‡ 3 hrs.

Total: 15 hours

Total Hours: 30 Credit Hours

Note(s):

†Fine Arts Elective: ARTS, MUSC, THEA

*New course

‡Selected Elective must be approved by the student’s advisor and may be taken from any of the following: BUSN, CINS, CDYC, SOCL, SPCM, ARTS, MUSC, THEA

^CDYC Elective must be approved by the student’s advisor and may be taken from the following: CDYC or EDUC

**Care and Development of Young Children, T.C.A**

**Required Courses**

**CDYC 101 - Foundations Of Early Childhood Development**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

Overview of Early Childhood Education, including personal and professional growth and development, learning theories, ethical standards, and current issues and trends in Early Childhood Education.

**CDYC 103 - The Learning Environment**
Total Credits = Cr. 3
Lecture = Lec. 3

This course introduces concepts, policies and procedures necessary to create and maintain a safe and healthy learning environment for young children.

**CDYC 211 - Child Guidance**

Total Credits = Cr. 3
Lecture = Lec. 3

Positive guidance, discipline and behavior management techniques are learned skills that create competent, effective early childhood educators. Many educators leave the field because they lack knowledge and skills in positive guidance. This course will not only give students a background in discipline techniques but will also provide limited practical experiences with children and caregivers.

Total Hours: 9 Credit Hours

**Care and Development of Young Children, T.D.**

**Program Type:** Technical Diploma (TD)  
**Program Length:** 60 Credit Hours/1410 Clock Hours

**Program Description**

The Care and Development of Young Children program prepares individuals for various levels of employment in child care centers, nursery schools, recreation centers, public school settings, head start programs, or other areas where caring for young children is the principal function. This program focuses on cognitive, physical, emotional, and social growth and development. Developmentally appropriate play activities, curriculum, nutrition, guidance, health/safety, children with special needs, and approaches for teaching as suggested by the National Association for the Education of Young Children (NAEYC) are included.

**Care and Development of Young Children Course Listing Course**

**TCA - Basic Caregiver I**

- CDYC 1110 - Introduction to Care and Development of Young Children 3 hrs./ 45 clock hrs.

Total: 3 hrs./ 45 clock hrs.
ORNT 1000 - Freshman Seminar

Total Credits = Cr. 1
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

- CDYC 1120 - Child Health, First Aid and Safety 2 hrs./ 45 clock hrs.
- CDYC 1130 - Child Guidance and Behaviors 3 hrs./ 45 clock hrs.
- CYDC 1151 - Observation/Participation Lab/Work Based Learning 3 hrs./ 135 clock hrs.

Total: 9 hrs./ 240 clock hrs.

CTS - Child Care Teacher

(Includes TCA-Basic Caregiver I & II and TCA-Basic Infant/Toddler Caregiver)

- CYDC 1210 - Infant/Toddler Growth and Development 3 hrs./ 45 clock hrs.
- CDYC 1220 - Infant/Toddler Care and Curriculum 3 hrs./ 45 clock hrs.
- CDYC 1241 - Infant/Toddler Lab/Work Based Learning 3 hrs./ 135 clock hrs.
- CDYC 1140 - Nutrition for Children 3 hrs./ 45 clock hrs.
- TCA – Basic Infant/Toddler Caregiver 12 hrs./ 270 clock hrs.

Total: 24 hrs./ 555 clock hrs.

TCA - Basic Preschool Caregiver

- CDYC 1310 - Preschool Growth and Development 2 hrs./ 30 clock hrs.
- CDYC 1320 - Preschool Curriculum 3 hrs./ 45 clock hrs.
- CDYC 1341 - Preschool Lab/Work Based Learning 3 hrs./ 135 clock hrs.
- CDYC 1410 - Children With Special Needs/Lab 3 hrs./ 60 clock hrs.

Total: 11 hrs./ 270 clock hrs.
CTS - Child Care Teacher II

(Includes TCA-Basic Preschool Caregiver and TCA-Basic Preschool Teacher)

- CDYC 1330 - Literature/Language Methods 3 hrs./ 45 clock hrs.
- CDYC 1332 - Math/Science Methods 3 hrs./ 45 clock hrs.
- CDYC 1333 - Social Studies/The Arts Methods 3 hrs./ 45 clock hrs.
- TCA – Basic Preschool Teacher 9 hrs./ 135 clock hours

Total: 20 hrs./ 405 clock hrs.

TCA - Care and Development Specialist

- CDYC 1420 - Organization and Administration of Care and Development of Young Children/Lab 3 hrs./ 60 clock hrs.
- CDYC 2211 - Practicum in Care and Development of Young Children 6 hrs./ 270 clock hrs.
- CDYC 1230 - Family Relationships and Issues 3 hrs./ 45 clock hrs.

Total: 12 hrs./ 375 clock hrs.

TD - Care and Development of Young Children

CPTR 1000 - Introduction To Computers

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introductory study of computer system components, operating system environments. Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

Prerequisites: None

JOBS 2450 - Job Seeking Skills

Total Credits = Cr: 2
Lecture = Lec: 2; / Laboratory = Lab: 0;

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future
decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

**Prerequisites:** None

Total: 60 hrs./ 1410 clock hrs.

**Childcare Administration, T.C.A**

**Required Courses**

**CDYC 101 - Foundations Of Early Childhood Development**

*Total Credits = Cr. 3*
*Lecture = Lec. 3*

Overview of Early Childhood Education, including personal and professional growth and development, learning theories, ethical standards, and current issues and trends in Early Childhood Education.

**CDYC 280 - Administration Of Early Childhood Programs**

*Total Credits = Cr. 3*
*Lecture = Lec. 3*

An overview of administrative responsibilities in CDYC. Examines professionalism, budget, personnel decisions, philosophy and curriculum development, evaluation tools, development of staff and parent handbooks, state and local regulations and parental involvement.

**Prerequisites:** CDYC 101

**BUSN 190 - Small Business Management**

*Total Credits = Cr: 3*
*Lecture = Lec: 3*
Introduction to the initial market research, financing, location and management of a small business firm. Emphasis will be placed on methods and procedures used in the successful establishment and operation of franchised or non-franchised firms.

Total Hours: 9 Credit Hours

Associate of Science in Teaching Program

Teaching: Grades 1-5, A.S.

The Associate of Science in Teaching (AST) degree is an innovative program that is designed to attract talented individuals looking for a flexible and cost-effective way to pursue a college degree and begin the path toward becoming certified elementary teachers (grades 1-5).

It is also beneficial to students that do not wish to continue to a 4 year full teaching degree. These students can opt to become highly qualified para-professionals employable by local districts.

All of the course credits earned in this program of study will transfer to a four-year elementary education program in Louisiana, enabling AST degree recipients to enter such a program at a Junior level.

In addition to general education courses, students will complete two professional education courses that include 37 hours of associated field experience and must pass two parts of the PRAXIS teacher certification exam before graduation. Candidates will also be encouraged to join or participate in a number of programs, clubs, etc. that are designed to further their professional development.

Degree Requirements for Associate of Science in Teaching Grades 1-5

First Semester

Also required during the first semester is ACSE 100 for 1 credit. ACSE is required for all LDCC degree majors.

ACSE 100 - Academic Seminar

Total Credits = Cr. 1  
Lecture = Lec. 1

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average. Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.

ENGL 101 - English Composition I
Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

**Prerequisites:** ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

**MATH 110 - College Algebra**

Total Credits = Cr. 3  
Lecture = Lec. 3 ;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

**Prerequisites:** Placement based on placement survey of ACT score.

**BIOL 101 - General Biology I**

Total Credits = Cr. 3  
Lecture = Lec. 3

Course surveys the building blocks of life, basic principles of genetics, evolution and diversity, basic principles of the form and function of plants, animal anatomy, physiology and behavior and their effects on ecology (for non-science majors.)

**Prerequisites:** Eligibility for ENGL 101 and MATH 110.

**BIOL 103 - General Biology I Lab**

Total Credits = Cr. 1  
/ Laboratory = Lab 3

Laboratory designed to accompany and enhance BIOL 101, General Biology I.

**Prerequisites or Corequisites:** Enrollment in or completion of BIOL 101 with a grade of “C” or higher.

**HIST 102 - Western Civilization Since 1650 A.D.**

Total Credits = Cr. 3  
Lecture = Lec. 3

A survey of civilization of the world from 1650 to the present. Major emphasis on western civilization.
Second Semester

MATH 203 - Elementary Number Structure

Total Credits = Cr. 3  
Lecture = Lec. 3;

Emphasis of the course is elementary number theory, operations, algorithms, and problem solving.

Prerequisites: A grade of “C” or higher in MATH 105 or MATH 110.

BIOL 102 - General Biology II

Total Credits = Cr. 3  
Lecture = Lec. 3

Course covers the structure of the human body, its functions and its interaction with the environment and mankind.

Prerequisites: BIOL 101 with a grade of “C” or higher

HIST 201 - History Of The United States 1492-1877

Total Credits = Cr. 3  
Lecture = Lec. 3

A survey of United States history from discovery through Reconstruction.

- **Fine Arts Elective† 3 hrs.

Total: 15 hours

Third Semester
ENGL 202 - English Literature

Total Credits = Cr. 3
Lecture = Lec. 3

This course is a survey of important works of English literature from the Romantic Period through the Twentieth Century. Writers studied in the course will include Blake, Shelley, Wordsworth, Keats, Byron, Coleridge, Browning, Tennyson, Conrad, Yeats, Joyce, Lawrence, Eliot, Auden and others.

Prerequisites: ENGL 102 with a grade of “C” or higher.

MATH 204 - Conceptual Geometry

Total Credits = Cr. 3
Lecture = Lec. 3;

Emphasis of the course is topics in formal and informal geometry.

Prerequisites: A grade of “C” or higher in MATH 203.

PHSC 100 - Physical Science I

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is a presentation of an integrated approach to essential concepts in physics such as motion, gravity, heat, electricity, magnetism, sound and light and to emphasize the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

Prerequisites: Eligibility to enroll in MATH 99 or higher level math

PHSC 110 - Physical Science I Lab

Total Credits = Cr. 1
/ Laboratory = Lab 3;

This laboratory is designed to accompany and enhance the lecture course Physical Science I (PHSC 100). Activities and exercises will address concepts presented in PHSC 100 in addition to emphasizing the personal application of science, the process skills, problem solving, and discovery/ inquiry learning.

Prerequisites or Corequisites: Concurrent enrollment in or successful completion of PHSC 100 with a grade of “C” or higher

GEOG 202 - Cultural Geography
Introduction to the concepts, themes and techniques of cultural geography; topical discussion of religion, politics, language, population, agriculture, urbanization, environmental and social problems.

**TEAC 201 - Teaching And Learning In Diverse Settings I**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course focuses on the diverse needs of students and the role of educators in recognizing and addressing learners’ needs. Two primary topics will be addressed within the course: Diverse Ways of Knowing and Learning, and, Professional Issues of Diversity in Education. The course will involve a combination of lecture, group learning, reflection and site based experiences within schools.

- Diverse Settings I ‡

Total: 16 hours

**Fourth Semester**

**ENGL 204 - American Literature II**

Total Credits = Cr. 3  
Lecture = Lec. 3

A survey of American Literature from 1860 to the present. Major writers include Whitman, Dickinson, Twain, Frost, Eliot, Hemingway, Faulkner and Steinbeck, as well as the rising voices of ethnic and women’s literature in the 20th century.

Prerequisites: ENGL 102 with a grade of “C” or higher.

**MATH 210 - Introduction To Statistics**

Total Credits = Cr.3  
Lecture = Lec. 3;

This course is designed to introduce students to the fundamentals of descriptive and inferential statistics with a pronounced emphasis on inference. The major topics include methods for analyzing sets of data, probability, probability distributions, estimation, confidence intervals, hypotheses testing, simple linear regression, correlation and non-parametric statistics.
Prerequisites: TH 110 with “C” or higher.

PHSC 120 - Physical Science II

Total Credits = Cr.3
Lecture = Lec.3;

This course introduces the student to the following concepts of basic chemistry: atoms and their structure, atomic models, atomic nucleus and electron configuration, mixture, bonding, acids and bases, and oxidation and reduction.

Prerequisites: Eligibility for MATH 99 or higher level math

PHSC 130 - Physical Science II Lab

Total Credits = Cr 1
/ Laboratory = Lab 3;

Laboratory designed to accompany PHSC 120, Physical Science II. Activities and exercises will address concepts presented in PHSC 120 in addition to emphasizing the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

Prerequisites or Corequisites: Concurrent enrollment in or successful completion of PHSC 120 with a grade of “C” or higher

POLI 110 - American Government

Total Credits = Cr. 3
Lecture = Lec. 3;

The principles, institutions, processes and functions of government. Emphasis is on the national government, the development of our constitutional system and the role of the citizen in the democratic process.

TEAC 203 - Teaching And Learning In Diverse Settings II

Total Credits = Cr. 3
Lecture = Lec. 3;

This course focuses on the diverse needs of students and the role of educators in recognizing and addressing learners’ needs. Two primary topics will be addressed within the course: Diverse Ways of Knowing and Learning, and, Professional Issues of Diversity in Education. The course will involve a combination of lecture, group learning, reflection and site based experiences within schools.

- in Diverse Settings II‡
Total: 16 hours

Total Hours: 61 Credit Hours

Note(s):

† Fine Arts Elective: ARTS, MUSC, THEA

*** Also required during the first semester is ACSE 100 for 1 credit. ACSE is required for all LDCC degree majors.

† Choose from ARTS 201, MUSC 101, or THEA 190.

‡ Instructor permission and admission pre-requisites required.

* Required Natural Science general education courses must come from a two-semester sequence of either physical or life science.

** PSYC 201 required as Social/Behavioral Science General Education Requirement.

Pre-requisites for TEAC classes

To be admitted to TEAC classes, you must:

• Be eligible for admission at LDCC.
• Complete all developmental coursework with a grade of “C” or better.
• Minimum accumulated GPA of 2.0 or higher in previously attempted course work.
• Submit an AST application, including letter of recommendation, résumé, and personal statement.
• Successfully complete the entrance interview.
• Complete and clear a background check before enrolling in TEAC classes.
• Instructor permission

Clubs and Organizations

An assortment of clubs and organizations will be offered as they are formed. The focus of all clubs and organizations is to promote teaching and professional development.

Planned groups include:

Associated Professional Educators of Louisiana (A+Pel)– student membership

Future Teachers of Louisiana (FTL)

Kappa Delta Pi

Louisiana Transfer Degree, Liberal Arts
Arts Track Transfer Degree, A.A.L.T.

All courses applied to the degree must be passed with a C or better. Developmental courses may not be applied to the degree.

Requirements for the AALT track in social sciences are listed below. When more than one option for fulfilling a requirement is given, even if some of these options are listed as “recommended” or “electives,” students should select courses that are required for the major they intend to pursue at a university. Students transferring to a University of Louisiana System (ULS) institution should follow the appropriate ULS track.

English Composition & Literature (Humanity) 9 Hours

Complete both:

**ENGL 101 - English Composition I**

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

Prerequisites: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

**ENGL 102 - English Composition**

Total Credits = Cr. 3  
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

Prerequisites: ENGL 101 with a grade of “C” or higher.

Choose one literature:

**ENGL 201 - English Literature**

Total Credits = Cr. 3
This course is a survey of important works of English literature from the Anglo-Saxon period to the Restoration and Eighteenth Century. Writers studied in the course will include Chaucer, Marlowe, Shakespeare, Donne, Milton, Swift and others.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 202 - English Literature

This course is a survey of important works of English literature from the Romantic Period through the Twentieth Century. Writers studied in the course will include Blake, Shelley, Wordsworth, Keats, Bryon, Coleridge, Browning, Tennyson, Conrad, Yeats, Joyce, Lawrence, Eliot, Auden and others.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 203 - American Literature I

This course will be a survey of significant works in American Literature from its beginnings to 1860. Included in the course are Native American myths, works by early explorers and settlers, the literature of reason and revolution, and the Romantic and Transcendental movements.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 204 - American Literature II

A survey of American Literature from 1860 to the present. Major writers include Whitman, Dickinson, Twain, Frost, Eliot, Hemingway, Faulkner and Steinbeck, as well as the rising voices of ethnic and women’s literature in the 20th century.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 205 - World Literature


A survey of the major works of World Literature from the Classical Period to the Renaissance, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 206 - World Literature**

Total Credits = Cr. 3  
Lecture = Lec. 3

A survey of the major works of World Literature from the Renaissance to the present, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 207 - Literature Of The Old Testament**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is a survey of literature found in the Old Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

**Prerequisites:** ENGL 102 with “C” or higher.

**ENGL 208 - Literature Of The New Testament**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is a survey of literature found in the New Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

**Prerequisites:** ENGL 102 with “C” or higher.

**ENGL 211 - Survey Of Short Stories & Novels**

Total Credits = Cr. 3  
Lecture = Lec. 3

Skills for reading and writing about fiction; attention to generic conventions and critical perspectives; section emphasis may vary; consult departmental handout.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.
ENGL 215 - Introduction To Drama & Poetry

Total Credits = Cr. 3  
Lecture = Lec. 3

The course is designed to develop in students an ability to understand, analyze and evaluate drama and poetry. The first half of the course focuses on drama and introduces the student to plays from the Greek classics through the twentieth century. The second half of the course emphasizes poetry that reflects different forms, subjects, themes and points of view. Since reading is a major focus of this course, students will practice a variety of interrelated reading and interpretative skills. Students’ writing should move beyond paraphrasing into analysis, interpretation and argumentation.

Prerequisites: ENGL 102 with a grade of “C” or higher.

Fine Arts 3 Hours

ARTS 110 - Crafts

Total Credits = Cr. 3  
Lecture = Lec. 1 / Laboratory = Lab 5

The Crafts course is a non-transferable course. It is intended to benefit the community by offering the public a variety of skills based subjects; such as Batik, jewelry making, and stained glass. The proposed students will be art teachers looking for professional development, retired seniors, high school students, and anyone interested in learning a specific craft. A different craft will be taught each semester. The course may be taken cumulative times.

ARTS 201 - Survey Of Art History I

Total Credits = Cr. 3  
Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the prehistoric period through the Gothic.

ARTS 202 - Survey Of Art History II

Total Credits = Cr. 3  
Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the Renaissance to Modern time.
**MUSC 101 - Music Appreciation**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course is designed to foster an understanding of music through the study of selected examples of musical works. Emphasis is placed upon the analysis of compositions in conjunction with references to cultural and historical developments.

**THEA 190 - Theatre Appreciation**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course seeks to improve both the appreciation for and understanding of theatre art that includes the structure, focus and purpose of dramatic literature, its presentation (acting), and directing/managing, as well as physical designing (scenery, lighting, costumes, make-up) and related theatrical elements. This course, where possible, includes attendance at local theatrical presentations.

**Social/Behavioral Sciences 6 Hours**

6 hours (3 at 200 level)

**ECON 201 - Macroeconomics**

Total Credits = Cr. 3  
Lecture = Lec. 3

A study of price and output determination, theories of production, determination of prices in regulated and unregulated industries, functional distribution of income, and international economics.

**ECON 202 - Microeconomics**

Total Credits = Cr. 3  
Lecture = Lec. 3

A study of economics, economic concepts and economic institutions. Emphasizes the operation and function of a market economy while analyzing economic problems related to income, employment, the business cycle, money and banking, growth and development.

**Prerequisites:** ECON 201

**GEOG 202 - Cultural Geography**
Introduction to the concepts, themes and techniques of cultural geography; topical discussion of religion, politics, language, population, agriculture, urbanization, environmental and social problems.

**GEOG 205 - Physical Geography**

Introduction to the concepts, themes and disciplines of physical geography. Discussion of atmospheric moisture, pressure and temperature, plate tectonics, volcanism, weathering and mass wasting, diastrophism, coastal processes, fluvial processes, global ecosystems and weather systems.

**POLI 110 - American Government**

The principles, institutions, processes and functions of government. Emphasis is on the national government, the development of our constitutional system and the role of the citizen in the democratic process.

**PSYC 201 - Introduction To Psychology**

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

**PSYC 225 - Child Psychology**

Physical, intellectual, social and emotional factors in child growth and development.

**Prerequisites:** PSYC 201.

**PSYC 226 - Developmental Psychology**
Physical, psychological, and social aspects of the individual from conception to death. Cultural, social, and hereditary factors that affect the individual’s behavior throughout the life cycle.

**Prerequisites:** PSYC 201 with a “C” or higher.

**PSYC 227 - Adolescent Psychology**

A study of the physical and mental growth of youth during the period of adolescence and the transition from childhood to adulthood.

**Prerequisites:** PSYC 201 with a “C” or higher.

**SOCL 201 - Introduction To Sociology**

As an introduction to the discipline of sociology, this course surveys and provides students with an understanding of human society and social life. It introduces students to the major subject areas of sociology, including the major theoretical perspectives and theorists; logic and techniques of research; social organization, institutions, and inequality and social change.

**SOCL 202 - Contemporary Social Problems**

A description and sociological analysis of major contemporary social problems in American society. The focus is on both the individual and societal levels (on both social action and social structure) and on the reciprocal relationship between them.

**Prerequisites:** SOCL 201 with “C” or higher.

**Math/A.R. 6 Hours**

**MATH 110 - College Algebra**
Total Credits = Cr. 3
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.
- GenEd Math/A.R. Elective 1 3 hrs.

Natural Sciences 9 Hours

Students must complete a six-hour sequence in either the biological or physical sciences. The remaining three hours must be in the opposite area (i.e., both biological and physical sciences must be taken).

Biological Sci. Sequences:

BIOL 101 - General Biology I

Total Credits = Cr. 3
Lecture = Lec. 3

Course surveys the building blocks of life, basic principles of genetics, evolution and diversity, basic principles of the form and function of plants, animal anatomy, physiology and behavior and their effects on ecology (for non-science majors.)

Prerequisites: Eligibility for ENGL 101 and MATH 110.

BIOL 102 - General Biology II

Total Credits = Cr. 3
Lecture = Lec. 3

Course covers the structure of the human body, its functions and its interaction with the environment and mankind.

Prerequisites: BIOL 101 with a grade of “C” or higher

BIOL 201 - Principles Of Biology I

Total Credits = Cr. 3
Lecture = Lec. 3

This course covers the concept of scientific methodology, genetics, cell structure and development, evolution and ecology and provides a laboratory component that coincides with the lecture; Designed for students majoring in a science related field.
Prerequisites: Eligibility for ENGL 101 and MATH 110 and successful completion of PHSC 120 or a high or college level chemistry.

BIOL 202 - Principles Of Biology II

Total Credits = Cr. 3
Lecture = Lec. 3

This course covers the concepts of human evolution and effects on ecology, ecological interactions, natural selection, adaptation, speciation and phylogeny.

Prerequisites: Grade of “C” or higher in BIOL 201

BIOL 221 - Human Anatomy And Physiology I

Total Credits = Cr. 3
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body. The emphasis of the lecture will be on the physiology of organs and tissues. Topics covered will include the human organism, chemical basis of life, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, spinal cord, spinal nerves, brain, cranial nerves, and integration of nervous system functions, autonomic nervous system and special senses. This course is designed for science majors and students majoring in a pre-allied health related field.

Prerequisites: Eligibility to enroll in ENGL 101 and MATH 110 and successful completion of PHSC 120 or high school or college level chemistry.
Corequisites: Concurrent enrollment in BIOL 223, Human Anatomy & Physiology I Laboratory.

BIOL 222 - Human Anatomy & Physiology II

Total Credits = Cr. 3
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body covering the endocrine system, cardiovascular, lymphatic (immune), respiratory, digestive, urinary and reproductive systems, development, growth, aging, nutrition, acid base balance and genetics. This course is designed for science majors and students majoring in a pre-allied health related field.

Prerequisites: Completion of BIOL 221 and BIOL 223 with a grade of C or better.
Corequisites: Concurrent enrollment in BIOL 224, Human Anatomy & Physiology II Laboratory.

Physical Sci. Sequences:
CHEM 101 - General Chemistry

Total Credits = Cr. 3
Lecture = Lec. 3

An introduction to chemistry, this course presents the basics of inorganic chemistry including the following topics: scientific measurements and calculations, elements and compounds, bonding, stoichiometry, calorimetry, gases, solutions and concentrations, acids and bases. Integrated into this course are problem-solving and quantitative approaches. This course is intended for non-science and pre-allied health majors.

Prerequisites: Completion of MATH 110 with a grade of “C” or higher; Grade of “C” or better in College Algebra or and ACT score of 20 in math.
Corequisites: Concurrent enrollment in CHEM 103;

CHEM 102 - General Chemistry II

Total Credits = Cr. 3
Lecture = Lec. 3

Lecture course includes an introduction to organic and biochemistry chemistry for non-science majors and selected pre-allied health majors. This course presents basic principles of organic chemistry and biochemistry with emphasis on chemistry of carbon, alkanes, alkenes, alkynes, aromatics, alcohols, phenols, thiols, ethers, aldehydes, ketones, carboxylic acids, amines, amides, carbohydrates, lipids, proteins, enzymes, metabolism, and molecular genetics. Integrated into this course are problem solving and quantitative approaches.

Prerequisites: Successful completion of CHEM 101 and CHEM 103 with a grade of “C” or higher

CHEM 110 - Chemistry I

Total Credits = Cr. 3
Lecture = Lec. 3

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on atomic structure, periodicity, bonds, thermochemistry, molecular geometry, gas laws, solutions, and stoichiometry. This course is intended for science and engineering curricula.

Prerequisites: Grade of “C” or better in College Algebra or and ACT score of 20 in math.
Corequisites: None

CHEM 120 - Chemistry II

Total Credits = Cr. 3
Lecture = Lec. 3

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on reaction kinetics and
equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and the chemistry of metals and nonmetals. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in CHEM 110.
**Corequisites:** None

**GEOL 101 - Physical Geology**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

An introduction to the scope of geology, the external and internal features of the earth such as landforms, and the agents which are responsible for them including volcanoes, glaciers, earthquakes, wind and running water.

**GEOL 102 - Historical Geology**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

The development, changes and destruction of the land features and sea areas of the earth and the changing panorama of plant and animal life from the earth’s origin to the present day.

**Prerequisites:** Successful completion of GEOL 101, Physical Geology, with a grade of “C” or higher or by special permission.

**PHSC 100 - Physical Science I**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

This course is a presentation of an integrated approach to essential concepts in physics such as motion, gravity, heat, electricity, magnetism, sound and light and to emphasize the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

**Prerequisites:** Eligibility to enroll in MATH 99 or higher level math

**PHSC 120 - Physical Science II**

**Total Credits = Cr.3**  
**Lecture = Lec.3**

This course introduces the student to the following concepts of basic chemistry: atoms and their structure, atomic models, atomic nucleus and electron configuration, mixture, bonding, acids and bases, and oxidation and reduction.

**Prerequisites:** Eligibility for MATH 99 or higher level math
PHYS 210 - General Physics I

Total Credits = Cr. 3
Lecture = Lec. 3;

This first semester of a two-semester sequence is an overview of basic concepts and principles of mechanics, heat, and sound. This course is intended for science majors.

Prerequisites: Successful completion of MATH 111, Plane Trigonometry, with a grade of “C” or higher;
Corequisites: Concurrent enrollment in PHYS 211, General Physics I Laboratory

PHYS 220 - General Physics II

Total Credits = Cr. 3
Lecture = Lec. 3;

This second semester of a two-semester sequence is an overview of basic concepts and principles of optics, electricity, magnetism, and other topics of modern physics. This course is intended for science majors.

Prerequisites: Successful completion of PHYS 210 & PHYS 211 with a grade of “C” or higher;
Corequisites: Concurrent enrollment in PHYS 221, General Physics II Laboratory

SCIE 101 - Introductory Earth Science I

Total Credits = Cr.3
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science with an emphasis on the following: geology with an introduction to oceanography, meteorology, and astronomy. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. Field trips may be arranged, but not required.

Prerequisites: None;
Corequisites: None

SCIE 102 - Introductory Earth Science II

Total Credits = Cr.3
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. General Earth Science 102 will include the following disciplines: geology, oceanography, meteorology, and astronomy with emphasis on oceanography, meteorology, and astronomy. Field trips may be arranged, but not required
Prerequisites: None- Students may enroll in SCIE 102 without having taken SCIE 101;
Corequisites: None

Individual Biological Sciences Courses

BIOL 210 - General Microbiology

(formerly BIOL 212)

Total Credits = Cr. 3
Lecture = Lec 3

Course presents an integrated approach to essential concepts in Microbiology and provides a foundation for practical, hands-on work and critical thinking that are a part of science and medical based professions (for science majors).

Prerequisites: Successful completion of BIOL 221 and BIOL 223 with a grade of “C” or higher.
Corequisites: Concurrent enrollment in BIOL 211, General Microbiology Laboratory

BIOL 228 - Pathophysiology

Total Credits = Cr. 3
Lecture = Lec. 3

A detailed study of the mechanisms of disease, alterations in body defenses and the effects on the following body systems: hematological, cardiovascular, respiratory, urinary, gastrointestinal, endocrine, reproductive, nervous, skeletal and integumentary.

Prerequisites: Completion of BIOL 221, BIOL 222, BIOL 223 & BIOL 224 with a grade of “C” or higher in each.

BIOL 230 - Principles Of Zoology

Total Credits = Cr. 3
Lecture = Lec. 3

This course is designed for students with majors and minors in biological science. The course presents the major concepts of biology as illustrated by animal life and studies selected vertebrates as laboratory animals. An introduction to the anatomy, physiology, classification, and relationships of major animal phyla will be covered. Emphasis will be placed on levels of organization, reproduction, evolution of animal life, diversity and the environment. This course may be used as a general science elective to satisfy the core content requirements.

Prerequisites: Eligibility for MATH 110 and ENGL 101; Successful completion of PHSC 120 or high school or college level chemistry.
SCIE 114 - Environmental Science & Lab

Total Credits = Cr 3  
Lecture = Lec. 3;

Study of the interactions of human activity with the environment and the future impact of these actions. Ecological, impact, sustainable management and risk analysis will be integrated throughout the course.

Prerequisites: Completion of MATH 110 with a grade of “C” or higher.

PHYS 110 - Foundations Of Astronomy

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course presents an integrated approach to basic astronomy and astronomical concepts. Basic science skills such as the scientific method are highlighted through astronomy. Astronomic concepts will include the following topics: light and properties of light, lenses, astrophotography, and formation of the universe, galaxies, solar systems, and planets. Practical observational techniques of space objects are performed through use of telescopes. Sunspot activity is monitored via the Internet and through observations of the sun with the appropriate equipment.

Prerequisites: Eligibility to enroll in MATH 99 or higher level math.

Humanities 6 Hours

Recommended:

Sequence in history or foreign language

HIST 101 - Western Civilization To 1650 A.D.

Total Credits = Cr. 3  
Lecture = Lec. 3

A survey of civilization of the world to 1650. Major emphasis on western civilization.

HIST 102 - Western Civilization Since 1650 A.D.

Total Credits = Cr. 3  
Lecture = Lec. 3
A survey of civilization of the world from 1650 to the present. Major emphasis on western civilization.

**HIST 201 - History Of The United States 1492-1877**

Total Credits = Cr. 3  
Lecture = Lec. 3

A survey of United States history from discovery through Reconstruction.

**HIST 202 - History Of The Us 1877-present**

Total Credits = Cr. 3  
Lecture = Lec. 3

A survey of United States history from Reconstruction to the present.

**FREN 101 - Elementary French I**

Total Credits = Cr. 3  
Lecture = Lec. 3

A beginning course designed for students with no previous knowledge of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

**FREN 102 - Elementary French II**

Total Credits = Cr. 3  
Lecture = Lec. 3

A continuation of FREN 101. designed for students who have completed one semester of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

**Prerequisites:** FREN 101

**FREN 201 - Intermediate French**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of
communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** FREN 101, FREN 102

**FREN 202 - Intermediate French**

**Total Credits = Cr. 3**
Lecture = Lec. 3

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** FREN 101, FREN 102, FREN 201

**SPAN 101 - Elementary Spanish I**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

An introduction to Spanish language and culture. The course explores the basic grammatical structures of the Spanish language. Throughout the semester, students will develop writing, reading and speaking skills. Emphasis will be placed on communicative skills.

**SPAN 102 - Elementary Spanish II**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

A continuation of SPAN 101. The course will extend students’ elementary knowledge of the basic grammatical structures of the Spanish language. Throughout the semester, students will continue to develop reading, writing and speaking skills. Emphasis will be placed on communication skills.

**Prerequisites:** SPAN 101 with “C” or higher

**SPAN 201 - Intermediate Spanish I**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

This course is designed to build upon and extend students’ elementary knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.
**Prerequisites:** SPAN 102 with "C" or higher

**SPAN 202 - Intermediate Spanish II**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course is designed to build upon and extend students’ intermediate knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** SPAN 201 with “C” or higher

**Other options:**

Choose other humanities from above list, literature list or from:

**PHIL 201 - Introduction To Philosophy**

Total Credits = Cr. 3  
Lecture = Lec. 3;

An introduction to philosophical ideas, problems and methods through a study of important philosophers and the major systems of philosophy. Topics to be covered may include appearance and reality, human nature, nature of knowledge, relation of mind with body, the right and the good, the existence of God, and freedom and determinism.

**SPCM 110 - Fundamentals Of Speech**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course develops an awareness of the history and traditions of speech communication worthy of academic study. The course is a summary of this academic and professional field and is comprised of the component parts of organizational and business communication, mass communication, small group and interpersonal communication, as well as public speaking.

**SPCM 120 - Intro To Public Speaking**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.
SPCM 130 - Interpersonal Communication

Total Credits = Cr. 3
Lecture = Lec. 3;

This speech and personal communication course is designed for students who are interested in improving their personal knowledge and practice of the principles that govern their interpersonal (usually one-to-one) and intrapersonal (within oneself) communication behavior on a daily basis. This course applies to personal, social and professional context interactions and relationships that often govern their success personally, professionally and in everyday social activities.

Arts Related Electives 12 Hours

Choose from areas listed below, including one course from at least three of the areas below.

- Arts History (e.g., Art, Architecture, Design, Music, Theatre)
- Arts Appreciation (e.g. Art, Drama, Music)
- Arts Theory (e.g., Color, Composition, Design)
- Basic Skills (e.g., Drawing, Keyboard, Painting, Performance)

Arts, Social Science, Humanities, Lab, & Related Electives 9 Hours

Choose from departments listed below.

Arts:
Choose from the Arts related electives previously listed.

Social Sciences:

- Economics - ECON
- Geography - GEOG
- Political Science - POLI
- Psychology - PSYC
- Sociology - SOCL

Foreign Language Series:

- French - FREN
- Spanish - SPAN

Humanities:

- English - ENGL
- History - HIST
Other:

Other related electives approved by advisor

Not more than one 1-hour science lab that corresponds with a natural science lecture used toward the fulfillment of the natural science requirement

Note(s):

Completion of the Associate of Arts/Science Louisiana Transfer (AALT, ASLT) degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an AALT/ASLT degree.

Additional Information:

Footnotes

1 Students may take any course (assuming they have completed the appropriate prerequisites) from the list that follows to fulfill the general education math elective requirement: MATH 111, MATH 117, MATH 120, MATH 201, MATH 210, MATH 220, MATH 221

2 This category, “other related electives approved by advisor,” is included to enable students to take courses that are not listed among the associate degree requirements but are required for the intended university major. Students should not take courses with the expectation that they will count as “other related electives” unless the courses have been approved by an advisor.

3 While no lab is required, students may opt to take a single one-credit hour lab that corresponds with one of the three lectures used toward the fulfillment of the natural sciences requirement.

Completing an Associate of Arts/Science Louisiana Transfer Degree (AALT/ASLT) at LDCC

- A student’s placement in English and math courses will be determined by ACT, SAT, and/or COMPASS scores. As a result of these scores, some students may be required to take developmental classes in preparation for the English and math classes required for the transfer degree. Note: When appropriate, previous college work will be used to determine placement in these subject areas.
- A course may be applied only once for degree credit.
- Transfer coursework is unofficial until all official transcripts are evaluated and posted.
- To graduate with the AALT or ASLT, students must have LDCC and adjusted cumulative grade-point averages of 2.00.
- Students should refer to the LDCC General Catalog for a detailed explanation of graduation requirements.

Transferring to a University with an AALT or ASLT Degree
Advising and planning are key to a student’s success in maximizing the transfer experience. All students who might eventually transfer from one institution to another should develop, with an advisor’s assistance, a written degree plan of courses to take for the transfer associate degree. Whenever possible, students should use the transfer degree requirements to satisfy the admission requirements of the university to which they wish to transfer; the university’s senior college, departmental, and/or program admission requirements; and course requirements for the baccalaureate degree. Additionally, a student with coursework from multiple institutions may need to contact the Campus Transfer Ombudsman* at the transfer university for information regarding the applicability of non-LDCC coursework toward the intended major at the university.

Completion of the AALT or ASLT does not guarantee that a student will have the grade-point average necessary for admission to the university, senior college, department, program, etc, to which a student wishes to transfer. It is therefore essential that students find out these requirements* as early as possible.

*To identify the Campus Transfer Ombudsman (or designated contact person) or GPA requirements for the university to which you wish to transfer, visit the statewide articulation web site. Links to each participating institution’s articulation web site can be found here with other helpful academic resources.

Note(s):

Completion of the Associate of Arts/Science Louisiana Transfer (AALT, ASLT) degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an AALT/ASLT degree.

**Humanities Track Transfer Degree, A.A.L.T.**

All courses applied to the degree must be passed with a C or better. Developmental courses may not be applied to the degree.

Requirements for the AALT track in humanities are listed below. When more than one option for fulfilling a requirement is given, even if some of these options are listed as “recommended” or “electives,” students should select courses that are required for the major they intend to pursue at a university. Students transferring to a University of Louisiana System (ULS) institution should follow the appropriate ULS track.

**English Composition & Literature (Humanity) 9 Hours**

Complete both:

**ENGL 101 - English Composition I**

*Total Credits = Cr. 3
Lecture = Lec. 3*

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

**Prerequisites**: ENGL 99 or by ACT of 18 or higher or placement diagnostic test.
ENGL 102 - English Composition

Total Credits = Cr. 3  
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

Prerequisites: ENGL 101 with a grade of “C” or higher.

Choose one literature:

ENGL 201 - English Literature

Total Credits = Cr. 3  
Lecture = Lec.3

This course is a survey of important works of English literature from the Anglo-Saxon period to the Restoration and Eighteenth Century. Writers studied in the course will include Chaucer, Marlowe, Shakespeare, Donne, Milton, Swift and others.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 202 - English Literature

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is a survey of important works of English literature from the Romantic Period through the Twentieth Century. Writers studied in the course will include Blake, Shelley, Wordsworth, Keats, Byron, Coleridge, Browning, Tennyson, Conrad, Yeats, Joyce, Lawrence, Eliot, Auden and others.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 203 - American Literature I

Total Credits = Cr. 3  
Lecture = Lec. 3

This course will be a survey of significant works in American Literature from its beginnings to 1860. Included in the course are Native American myths, works by early explorers and settlers, the literature of reason and revolution, and the Romantic and Transcendental movements.
Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 204 - American Literature II

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of American Literature from 1860 to the present. Major writers include Whitman, Dickinson, Twain, Frost, Eliot, Hemingway, Faulkner and Steinbeck, as well as the rising voices of ethnic and women’s literature in the 20th century.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 205 - World Literature

Total Credits = Cr. 3
Lecture = Lec. 3;

A survey of the major works of World Literature from the Classical Period to the Renaissance, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 206 - World Literature

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of the major works of World Literature from the Renaissance to the present, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 207 - Literature Of The Old Testament

Total Credits = Cr. 3
Lecture = Lec. 3

This course is a survey of literature found in the Old Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

Prerequisites: ENGL 102 with “C” or higher.
ENGL 208 - Literature Of The New Testament

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is a survey of literature found in the New Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

Prerequisites: ENGL 102 with “C” or higher.

ENGL 211 - Survey Of Short Stories & Novels

Total Credits = Cr. 3  
Lecture = Lec. 3

Skills for reading and writing about fiction; attention to generic conventions and critical perspectives; section emphasis may vary; consult departmental handout.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 215 - Introduction To Drama & Poetry

Total Credits = Cr. 3  
Lecture = Lec. 3

The course is designed to develop in students an ability to understand, analyze and evaluate drama and poetry. The first half of the course focuses on drama and introduces the student to plays from the Greek classics through the twentieth century. The second half of the course emphasizes poetry that reflects different forms, subjects, themes and points of view. Since reading is a major focus of this course, students will practice a variety of interrelated reading and interpretative skills. Students’ writing should move beyond paraphrasing into analysis, interpretation and argumentation.

Prerequisites: ENGL 102 with a grade of “C” or higher.

Fine Arts 3 Hours

ARTS 120 - Art Appreciation

(Formerly ARTS 101)

Total Credits = Cr. 3  
Lecture = Lec. 3
Lecture and discussion of the visual arts with emphasis on how and why works have been created in present and earlier times. All major forms of drawing, painting, printmaking, sculpture, design and architecture are explored in basic terms.

**ARTS 201 - Survey Of Art History I**

Total Credits = Cr. 3  
Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the prehistoric period through the Gothic.

**ARTS 202 - Survey Of Art History II**

Total Credits = Cr. 3  
Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the Renaissance to Modern time.

**MUSC 101 - Music Appreciation**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course is designed to foster an understanding of music through the study of selected examples of musical works. Emphasis is placed upon the analysis of compositions in conjunction with references to cultural and historical developments.

**THEA 190 - Theatre Appreciation**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course seeks to improve both the appreciation for and understanding of theatre art that includes the structure, focus and purpose of dramatic literature, its presentation (acting), and directing/managing, as well as physical designing (scenery, lighting, costumes, make-up) and related theatrical elements. This course, where possible, includes attendance at local theatrical presentations.

**Social/Behavioral Sciences 6 Hours**

6 hours (3 at 200 level)
ECON 201 - Macroeconomics

Total Credits = Cr. 3  
Lecture = Lec. 3

A study of price and output determination, theories of production, determination of prices in regulated and unregulated industries, functional distribution of income, and international economics.

ECON 202 - Microeconomics

Total Credits = Cr. 3  
Lecture = Lec. 3

A study of economics, economic concepts and economic institutions. Emphasizes the operation and function of a market economy while analyzing economic problems related to income, employment, the business cycle, money and banking, growth and development.

Prerequisites: ECON 201

GEOG 202 - Cultural Geography

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to the concepts, themes and techniques of cultural geography; topical discussion of religion, politics, language, population, agriculture, urbanization, environmental and social problems.

GEOG 205 - Physical Geography

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to the concepts, themes and disciplines of physical geography. Discussion of atmospheric moisture, pressure and temperature, plate tectonics, volcanism, weathering and mass wasting, diastrophism, coastal processes, fluvial processes, global ecosystems and weather systems.

POLI 110 - American Government

Total Credits = Cr. 3  
Lecture = Lec. 3;

The principles, institutions, processes and functions of government. Emphasis is on the national government, the development of our constitutional system and the role of the citizen in the democratic process.
PSYC 201 - Introduction To Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

PSYC 225 - Child Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

Physical, intellectual, social and emotional factors in child growth and development.

Prerequisites: PSYC 201.

PSYC 226 - Developmental Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

Physical, psychological, and social aspects of the individual from conception to death. Cultural, social, and hereditary factors that affect the individual’s behavior throughout the life cycle.

Prerequisites: PSYC 201 with a “C” or higher.

PSYC 227 - Adolescent Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

A study of the physical and mental growth of youth during the period of adolescence and the transition from childhood to adulthood.

Prerequisites: PSYC 201 with a “C” or higher.

SOCL 201 - Introduction To Sociology

Total Credits = Cr. 3
Lecture = Lec. 3;
As an introduction to the discipline of sociology, this course surveys and provides students with an understanding of human society and social life. It introduces students to the major subject areas of sociology, including the major theoretical perspectives and theorists; logic and techniques of research; social organization, institutions, and inequality and social change.

**SOCL 202 - Contemporary Social Problems**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

A description and sociological analysis of major contemporary social problems in American society. The focus is on both the individual and societal levels (on both social action and social structure) and on the reciprocal relationship between them.

**Prerequisites:** SOCL 201 with “C” or higher.

**Math/A.R. 6 Hours**

**MATH 110 - College Algebra**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

**Prerequisites:** Placement based on placement survey of ACT score.

- GenEd Math/A.R. Elective 1 3 hrs.

**Natural Sciences 9 Hours**

Students must complete a six-hour sequence in either the biological or physical sciences. The remaining three hours must be in the opposite area (i.e., both biological and physical sciences must be taken).

**Biological Sci. Sequences:**

While no lab is required, students may opt to take a single one-credit hour lab that corresponds with one of the three lectures used toward the fulfillment of the natural sciences requirement.

**BIOL 101 - General Biology I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3
Course surveys the building blocks of life, basic principles of genetics, evolution and diversity, basic principles of the form and function of plants, animal anatomy, physiology and behavior and their effects on ecology (for non-science majors.)

Prerequisites: Eligibility for ENGL 101 and MATH 110.

**BIOL 102 - General Biology II**

Total Credits = Cr. 3  
Lecture = Lec. 3

Course covers the structure of the human body, its functions and its interaction with the environment and mankind.

Prerequisites: BIOL 101 with a grade of “C” or higher

**BIOL 201 - Principles Of Biology I**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course covers the concept of scientific methodology, genetics, cell structure and development, evolution and ecology and provides a laboratory component that coincides with the lecture; Designed for students majoring in a science related field.

Prerequisites: Eligibility for ENGL 101 and MATH 110 and successful completion of PHSC 120 or a high or college level chemistry.

**BIOL 202 - Principles Of Biology II**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course covers the concepts of human evolution and effects on ecology, ecological interactions, natural selection, adaptation, speciation and phylogeny.

Prerequisites: Grade of “C” or higher in BIOL 201

**BIOL 221 - Human Anatomy And Physiology I**

Total Credits = Cr. 3  
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body. The emphasis of the lecture will be on the physiology of organs and tissues. Topics covered will include the human organism, chemical basis of life, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, spinal cord, spinal nerves, brain, cranial nerves, and integration of nervous system functions, autonomic nervous system and special senses. This course is designed for
science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Eligibility to enroll in ENGL 101 and MATH 110 and successful completion of PHSC 120 or high school or college level chemistry.

**Corequisites:** Concurrent enrollment in BIOL 223, Human Anatomy & Physiology I Laboratory.

**BIOL 222 - Human Anatomy & Physiology II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body covering the endocrine system, cardiovascular, lymphatic (immune), respiratory, digestive, urinary and reproductive systems, development, growth, aging, nutrition, acid base balance and genetics. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Completion of BIOL 221 and BIOL 223 with a grade of C or better.

**Corequisites:** Concurrent enrollment in BIOL 224, Human Anatomy & Physiology II Laboratory.

**Physical Sci. Sequences:**

While no lab is required, students may opt to take a single one-credit hour lab that corresponds with one of the three lectures used toward the fulfillment of the natural sciences requirement.

**CHEM 101 - General Chemistry**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

An introduction to chemistry, this course presents the basics of inorganic chemistry including the following topics: scientific measurements and calculations, elements and compounds, bonding, stoichiometry, calorimetry, gases, solutions and concentrations, acids and bases. Integrated into this course are problem-solving and quantitative approaches. This course is intended for non-science and pre-allied health majors.

**Prerequisites:** Completion of MATH 110 with a grade of “C” or higher; Grade of “C” or better in College Algebra or and ACT score of 20 in math.

**Corequisites:** Concurrent enrollment in CHEM 103;

**CHEM 102 - General Chemistry II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

Lecture course includes an introduction to organic and biochemistry chemistry for non-science majors and selected pre-allied health majors. This course presents basic principles of organic chemistry and biochemistry with emphasis on chemistry of carbon, alkanes, alkenes, alkynes, aromatics, alcohols, phenols, thiols, ethers, aldehydes, ketones, carboxylic acids, amines,
amides, carbohydrates, lipids, proteins, enzymes, metabolism, and molecular genetics. Integrated into this course are problem solving and quantitative approaches.

**Prerequisites:** Successful completion of CHEM 101 and CHEM 103 with a grade of “C” or higher

**CHEM 110 - Chemistry I**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on atomic structure, periodicity, bonds, thermochemistry, molecular geometry, gas laws, solutions, and stoichiometry. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in College Algebra or and ACT score of 20 in math.  
**Corequisites:** None

**CHEM 120 - Chemistry II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on reaction kinetics and equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and the chemistry of metals and nonmetals. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in CHEM 110.  
**Corequisites:** None

**GEOL 101 - Physical Geology**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

An introduction to the scope of geology, the external and internal features of the earth such as landforms, and the agents which are responsible for them including volcanoes, glaciers, earthquakes, wind and running water.

**GEOL 102 - Historical Geology**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

The development, changes and destruction of the land features and sea areas of the earth and the changing panorama of plant and animal life from the earth’s origin to the present day.
Prerequisites: Successful completion of GEOL 101, Physical Geology, with a grade of “C” or higher or by special permission.

PHSC 100 - Physical Science I

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is a presentation of an integrated approach to essential concepts in physics such as motion, gravity, heat, electricity, magnetism, sound and light and to emphasize the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

Prerequisites: Eligibility to enroll in MATH 99 or higher level math

PHSC 120 - Physical Science II

Total Credits = Cr.3
Lecture = Lec.3;

This course introduces the student to the following concepts of basic chemistry: atoms and their structure, atomic models, atomic nucleus and electron configuration, mixture, bonding, acids and bases, and oxidation and reduction.

Prerequisites: Eligibility for MATH 99 or higher level math

PHYS 210 - General Physics I

Total Credits = Cr. 3
Lecture = Lec. 3;

This first semester of a two-semester sequence is an overview of basic concepts and principles of mechanics, heat, and sound. This course is intended for science majors.

Prerequisites: Successful completion of MATH 111, Plane Trigonometry, with a grade of “C” or higher; Corequisites: Concurrent enrollment in PHYS 211, General Physics I Laboratory

PHYS 220 - General Physics II

Total Credits = Cr. 3
Lecture = Lec. 3;

This second semester of a two-semester sequence is an overview of basic concepts and principles of optics, electricity, magnetism, and other topics of modern physics. This course is intended for science majors.
Prerequisites: Successful completion of PHYS 210 & PHYS 211 with a grade of “C” or higher;  
Corequisites: Concurrent enrollment in PHYS 221, General Physics II Laboratory

SCIE 101 - Introductory Earth Science I

Total Credits = Cr.3  
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science with an emphasis on the following: geology with an introduction to oceanography, meteorology, and astronomy. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. Field trips may be arranged, but not required.

Prerequisites: None;  
Corequisites: None

SCIE 102 - Introductory Earth Science II

Total Credits = Cr.3  
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. General Earth Science 102 will include the following disciplines: geology, oceanography, meteorology, and astronomy with emphasis on oceanography, meteorology, and astronomy. Field trips may be arranged, but not required

Prerequisites: None- Students may enroll in SCIE 102 without having taken SCIE 101;  
Corequisites: None

Individual Biological Sciences Courses:

While no lab is required, students may opt to take a single one-credit hour lab that corresponds with one of the three lectures used toward the fulfillment of the natural sciences requirement.

BIOL 210 - General Microbiology

(formerly BIOL 212)  

Total Credits = Cr. 3  
Lecture = Lec 3

Course presents an integrated approach to essential concepts in Microbiology and provides a foundation for practical, hands-on work and critical thinking that are a part of science and medical based professions (for science majors).

Prerequisites: Successful completion of BIOL 221 and BIOL 223 with a grade of “C” or higher.  
Corequisites: Concurrent enrollment in BIOL 211, General Microbiology Laboratory
BIOL 228 - Pathophysiology

Total Credits = Cr. 3  
Lecture = Lec. 3

A detailed study of the mechanisms of disease, alterations in body defenses and the effects on the following body systems: hematological, cardiovascular, respiratory, urinary, gastrointestinal, endocrine, reproductive, nervous, skeletal and integumentary.

Prerequisites: Completion of BIOL 221, BIOL 222, BIOL 223 & BIOL 224 with a grade of “C” or higher in each.

BIOL 230 - Principles Of Zoology

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is designed for students with majors and minors in biological science. The course presents the major concepts of biology as illustrated by animal life and studies selected vertebrates as laboratory animals. An introduction to the anatomy, physiology, classification, and relationships of major animal phyla will be covered. Emphasis will be placed on levels of organization, reproduction, evolution of animal life, diversity and the environment. This course may be used as a general science elective to satisfy the core content requirements.

Prerequisites: Eligibility for MATH 110 and ENGL 101; Successful completion of PHSC 120 or high school or college level chemistry.

SCIE 114 - Environmental Science & Lab

Total Credits = Cr 3  
Lecture = Lec. 3;

Study of the interactions of human activity with the environment and the future impact of these actions. Ecological, impact, sustainable management and risk analysis will be integrated throughout the course.

Prerequisites: Completion of MATH 110 with a grade of “C” or higher.

PHYS 110 - Foundations Of Astronomy

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course presents an integrated approach to basic astronomy and astronomical concepts. Basic science skills such as the scientific method are highlighted through astronomy. Astronomic concepts will include the following topics: light and properties of light, lenses, astrophotography, and formation of the universe, galaxies, solar systems, and planets. Practical observational techniques of space objects are performed through use of telescopes. Sunspot activity is monitored via the Internet and through
observations of the sun with the appropriate equipment.

**Prerequisites:** Eligibility to enroll in MATH 99 or higher level math.

**Humanities 6 Hours**

**Recommended:**

Sequence in history or foreign language

**HIST 101 - Western Civilization To 1650 A.D.**

Total Credits = Cr. 3  
Lecture = Lec. 3

A survey of civilization of the world to 1650. Major emphasis on western civilization.

**HIST 102 - Western Civilization Since 1650 A.D.**

Total Credits = Cr. 3  
Lecture = Lec. 3

A survey of civilization of the world from 1650 to the present. Major emphasis on western civilization.

**HIST 201 - History Of The United States 1492-1877**

Total Credits = Cr. 3  
Lecture = Lec. 3

A survey of United States history from discovery through Reconstruction.

**HIST 202 - History Of The Us 1877-present**

Total Credits = Cr. 3  
Lecture = Lec. 3

A survey of United States history from Reconstruction to the present.

**FREN 101 - Elementary French I**
A beginning course designed for students with no previous knowledge of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

**FREN 102 - Elementary French II**

A continuation of FREN 101. Designed for students who have completed one semester of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

**Prerequisites:** FREN 101

**FREN 201 - Intermediate French**

This course is designed to build upon and extend students' elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** FREN 101, FREN 102

**FREN 202 - Intermediate French**

This course is designed to build upon and extend students' elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** FREN 101, FREN 102, FREN 201

**SPAN 101 - Elementary Spanish I**

This course is designed to build upon and extend students' elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.
An introduction to Spanish language and culture. The course explores the basic grammatical structures of the Spanish language. Throughout the semester, students will develop writing, reading and speaking skills. Emphasis will be placed on communicative skills.

**SPAN 102 - Elementary Spanish II**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

A continuation of SPAN 101. The course will extend students’ elementary knowledge of the basic grammatical structures of the Spanish language. Throughout the semester, students will continue to develop reading, writing and speaking skills. Emphasis will be placed on communication skills.

**Prerequisites:** SPAN 101 with “C” or higher

**SPAN 201 - Intermediate Spanish I**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

This course is designed to build upon and extend students’ elementary knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** SPAN 102 with “C” or higher

**SPAN 202 - Intermediate Spanish II**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

This course is designed to build upon and extend students’ intermediate knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** SPAN 201 with “C” or higher

**Other options:**

Choose other humanities from above list, literature list or from:

**PHIL 201 - Introduction To Philosophy**

**Total Credits = Cr. 3**
An introduction to philosophical ideas, problems and methods through a study of important philosophers and the major systems of philosophy. Topics to be covered may include appearance and reality, human nature, nature of knowledge, relation of mind with body, the right and the good, the existence of God, and freedom and determinism.

**SPCM 110 - Fundamentals Of Speech**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

This course develops an awareness of the history and traditions of speech communication worthy of academic study. The course is a summary of this academic and professional field and is comprised of the component parts of organizational and business communication, mass communication, small group and interpersonal communication, as well as public speaking.

**SPCM 120 - Intro To Public Speaking**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

**SPCM 130 - Interpersonal Communication**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

This speech and personal communication course is designed for students who are interested in improving their personal knowledge and practice of the principles that govern their interpersonal (usually one-to-one) and intrapersonal (within oneself) communication behavior on a daily basis. This course applies to personal, social and professional context interactions and relationships that often govern their success personally, professionally and in everyday social activities.

**Foreign Language Series and/or Humanities Electives 15 Hours**

**Foreign language series:**

- French - FREN
- Spanish - SPAN
Humanities:

- English - ENGL
- History - HIST
- Philosophy - PHIL
- Speech - SPCH

Humanities, Social Science, & Lab Electives 6 Hours

Choose from departments listed below.

Social Sciences:

- Economics - ECON
- Geography - GEOG
- Political Science - POLI
- Psychology - PSYC
- Sociology - SOCL

Humanities:

See list of humanities departments in section above.

Other:

Not more than one 1-hour science lab that corresponds with a natural science lecture used toward the fulfillment of the natural science requirement.

Note(s):

Completion of the Associate of Arts/Science Louisiana Transfer (AALT, ASLT) degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an AALT/ASLT degree.

Additional Information:

Footnotes

1 Students may take any course (assuming they have completed the appropriate prerequisites) from the list that follows to fulfill the general education math elective requirement: MATH 111, MATH 117, MATH 120, MATH 201, MATH 210, MATH 220, and MATH 221.
2 While no lab is required, students may opt to take a single one-credit hour lab that corresponds with one of the three lectures used toward the fulfillment of the natural sciences requirement.

Completing an Associate of Arts/Science Louisiana Transfer Degree (AALT/ASLT) at LDCC

- A student’s placement in English and math courses will be determined by ACT, SAT, and/or COMPASS scores. As a result of these scores, some students may be required to take developmental classes in preparation for the English and math classes required for the transfer degree. Note: When appropriate, previous college work will be used to determined placement in these subject areas.
- A course may be applied only once for degree credit.
- Transfer coursework is unofficial until all official transcripts are evaluated and posted.
- To graduate with the AALT or ASLT, students must have LDCC and adjusted cumulative grade-point averages of 2.00.
- Students should refer to the LDCC General Catalog for a detailed explanation of graduation requirements.

Transferring to a University with an AALT or ASLT Degree

Advising and planning are key to a student’s success in maximizing the transfer experience. All students who might eventually transfer from one institution to another should develop, with an advisor’s assistance, a written degree plan of courses to take for the transfer associate degree. Whenever possible, students should use the transfer degree requirements to satisfy the admission requirements of the university to which they wish to transfer; the university’s senior college, departmental, and/or program admission requirements; and course requirements for the baccalaureate degree. Additionally, a student with coursework from multiple institutions may need to contact the Campus Transfer Ombudsman* at the transfer university for information regarding the applicability of non-LDCC coursework toward the intended major at the university.

Completion of the AALT or ASLT does not guarantee that a student will have the grade-point average necessary for admission to the university, senior college, department, program, etc, to which a student wishes to transfer. It is therefore essential that students find out these requirements* as early as possible.

* To identify the Campus Transfer Ombudsman (or designated contact person) or GPA requirements for the university to which you wish to transfer, visit the statewide articulation web site. Links to each participating institution’s articulation web site can be found here with other helpful academic resources.

Note(s):

Completion of the Associate of Arts/Science Louisiana Transfer (AALT, ASLT) degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an AALT/ASLT degree.

Social Sciences Track Transfer Degree, A.A.L.T.

Requirements for the AALT track in social sciences are listed below. When more than one option for fulfilling a requirement is given, even if some of these options are listed as “recommended” or “electives,” students should select courses that are required for the major they intend to pursue at a university. Students transferring to a University of Louisiana System (ULS) institution should follow the appropriate ULS track.

Social Sciences Track
English Composition & Literature (Humanity) 9 hours

Complete both:

**ENGL 101 - English Composition I**

Total Credits = Cr. 3  
Lecture = Lec. 3  

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

**Prerequisites:** ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

**ENGL 102 - English Composition**

Total Credits = Cr. 3  
Lecture = Lec. 3  

Students will master the principles of researched writing and complete an accurately documented research paper.

**Prerequisites:** ENGL 101 with a grade of “C” or higher.

Choose one literature:

**ENGL 201 - English Literature**

Total Credits = Cr. 3  
Lecture = Lec.3  

This course is a survey of important works of English literature from the Anglo-Saxon period to the Restoration and Eighteenth Century. Writers studied in the course will include Chaucer, Marlowe, Shakespeare, Donne, Milton, Swift and others.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 202 - English Literature**
This course is a survey of important works of English literature from the Romantic Period through the Twentieth Century. Writers studied in the course will include Blake, Shelley, Wordsworth, Keats, Byron, Coleridge, Browning, Tennyson, Conrad, Yeats, Joyce, Lawrence, Eliot, Auden and others.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 203 - American Literature I**

This course will be a survey of significant works in American Literature from its beginnings to 1860. Included in the course are Native American myths, works by early explorers and settlers, the literature of reason and revolution, and the Romantic and Transcendental movements.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 204 - American Literature II**

A survey of American Literature from 1860 to the present. Major writers include Whitman, Dickinson, Twain, Frost, Eliot, Hemingway, Faulkner and Steinbeck, as well as the rising voices of ethnic and women’s literature in the 20th century.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 205 - World Literature**

A survey of the major works of World Literature from the Classical Period to the Renaissance, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 206 - World Literature**

This course is a survey of important works of English literature from the Romantic Period through the Twentieth Century. Writers studied in the course will include Blake, Shelley, Wordsworth, Keats, Byron, Coleridge, Browning, Tennyson, Conrad, Yeats, Joyce, Lawrence, Eliot, Auden and others.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.
Lecture = Lec. 3

A survey of the major works of World Literature from the Renaissance to the present, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 207 - Literature Of The Old Testament**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is a survey of literature found in the Old Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

**Prerequisites:** ENGL 102 with “C” or higher.

**ENGL 208 - Literature Of The New Testament**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is a survey of literature found in the New Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

**Prerequisites:** ENGL 102 with “C” or higher.

**ENGL 211 - Survey Of Short Stories & Novels**

Total Credits = Cr. 3  
Lecture = Lec. 3

Skills for reading and writing about fiction; attention to generic conventions and critical perspectives; section emphasis may vary; consult departmental handout.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 215 - Introduction To Drama & Poetry**

Total Credits = Cr. 3  
Lecture = Lec. 3

The course is designed to develop in students an ability to understand, analyze and evaluate drama and poetry. The first half of the course focuses on drama and introduces the student to plays from the Greek classics through the twentieth century. The
second half of the course emphasizes poetry that reflects different forms, subjects, themes and points of view. Since reading is a major focus of this course, students will practice a variety of interrelated reading and interpretative skills. Students’ writing should move beyond paraphrasing into analysis, interpretation and argumentation.

Prerequisites: ENGL 102 with a grade of “C” or higher.

Fine Arts 3 hours

ARTS 120 - Art Appreciation

(Formerly ARTS 101)

Total Credits = Cr. 3
Lecture = Lec. 3

Lecture and discussion of the visual arts with emphasis on how and why works have been created in present and earlier times. All major forms of drawing, painting, printmaking, sculpture, design and architecture are explored in basic terms.

ARTS 201 - Survey Of Art History I

Total Credits = Cr. 3
Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the prehistoric period through the Gothic.

ARTS 202 - Survey Of Art History II

Total Credits = Cr. 3
Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the Renaissance to Modern time.

MUSC 101 - Music Appreciation

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is designed to foster an understanding of music through the study of selected examples of musical works. Emphasis is placed upon the analysis of compositions in conjunction with references to cultural and historical developments.
THEA 190 - Theatre Appreciation

Total Credits = Cr. 3
Lecture = Lec. 3;

This course seeks to improve both the appreciation for and understanding of theatre art that includes the structure, focus and purpose of dramatic literature, its presentation (acting), and directing/managing, as well as physical designing (scenery, lighting, costumes, make-up) and related theatrical elements. This course, where possible, includes attendance at local theatrical presentations.

Social/Behavioral Sciences 6 hours (3 at 200 level)

ECON 201 - Macroeconomics

Total Credits = Cr. 3
Lecture = Lec. 3

A study of price and output determination, theories of production, determination of prices in regulated and unregulated industries, functional distribution of income, and international economics.

ECON 202 - Microeconomics

Total Credits = Cr. 3
Lecture = Lec. 3

A study of economics, economic concepts and economic institutions. Emphasizes the operation and function of a market economy while analyzing economic problems related to income, employment, the business cycle, money and banking, growth and development.

Prerequisites: ECON 201

GEOG 202 - Cultural Geography

Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to the concepts, themes and techniques of cultural geography; topical discussion of religion, politics, language, population, agriculture, urbanization, environmental and social problems.

GEOG 205 - Physical Geography
Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to the concepts, themes and disciplines of physical geography. Discussion of atmospheric moisture, pressure and temperature, plate tectonics, volcanism, weathering and mass wasting, diastrophism, coastal processes, fluvial processes, global ecosystems and weather systems.

**POLI 110 - American Government**

Total Credits = Cr. 3
Lecture = Lec. 3;

The principles, institutions, processes and functions of government. Emphasis is on the national government, the development of our constitutional system and the role of the citizen in the democratic process.

**PSYC 201 - Introduction To Psychology**

Total Credits = Cr. 3
Lecture = Lec. 3;

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

**PSYC 225 - Child Psychology**

Total Credits = Cr. 3
Lecture = Lec. 3;

Physical, intellectual, social and emotional factors in child growth and development.

**Prerequisites:** PSYC 201.

**PSYC 226 - Developmental Psychology**

Total Credits = Cr. 3
Lecture = Lec. 3;

Physical, psychological, and social aspects of the individual from conception to death. Cultural, social, and hereditary factors that affect the individual’s behavior throughout the life cycle.

**Prerequisites:** PSYC 201 with a “C” or higher.
PSYC 227 - Adolescent Psychology

Total Credits = Cr. 3
Lecture = Lec. 3;

A study of the physical and mental growth of youth during the period of adolescence and the transition from childhood to adulthood.

Prerequisites: PSYC 201 with a “C” or higher.

SOCL 201 - Introduction To Sociology

Total Credits = Cr. 3
Lecture = Lec. 3;

As an introduction to the discipline of sociology, this course surveys and provides students with an understanding of human society and social life. It introduces students to the major subject areas of sociology, including the major theoretical perspectives and theorists; logic and techniques of research; social organization, institutions, and inequality and social change.

SOCL 202 - Contemporary Social Problems

Total Credits = Cr. 3
Lecture = Lec. 3;

A description and sociological analysis of major contemporary social problems in American society. The focus is on both the individual and societal levels (on both social action and social structure) and on the reciprocal relationship between them.

Prerequisites: SOCL 201 with “C” or higher.

Math/A.R. 6 hours

MATH 110 - College Algebra

Total Credits = Cr. 3
Lecture = Lec. 3;

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: Placement based on placement survey of ACT score.
  • GenEd Math/A.R. Elective1 3hrs.
Natural Sciences 9 hours

Students must complete a six-hour sequence in either the biological or physical sciences. The remaining three hours must be in the opposite area (i.e., both biological and physical sciences must be taken).

Biological Sci. Sequences

**BIOL 101 - General Biology I**

*Total Credits = Cr. 3*
*Lecture = Lec. 3*

Course surveys the building blocks of life, basic principles of genetics, evolution and diversity, basic principles of the form and function of plants, animal anatomy, physiology and behavior and their effects on ecology (for non-science majors.)

**Prerequisites:** Eligibility for ENGL 101 and MATH 110.

**BIOL 102 - General Biology II**

*Total Credits = Cr. 3*
*Lecture = Lec. 3*

Course covers the structure of the human body, its functions and its interaction with the environment and mankind.

**Prerequisites:** BIOL 101 with a grade of “C” or higher

**BIOL 201 - Principles Of Biology I**

*Total Credits = Cr. 3*
*Lecture = Lec. 3*

This course covers the concept of scientific methodology, genetics, cell structure and development, evolution and ecology and provides a laboratory component that coincides with the lecture; Designed for students majoring in a science related field.

**Prerequisites:** Eligibility for ENGL 101 and MATH 110 and successful completion of PHSC 120 or a high or college level chemistry.

**BIOL 202 - Principles Of Biology II**

*Total Credits = Cr. 3*
*Lecture = Lec. 3*
This course covers the concepts of human evolution and effects on ecology, ecological interactions, natural selection, adaptation, speciation and phylogeny.

**Prerequisites:** Grade of “C” or higher in BIOL 201

**BIOL 221 - Human Anatomy And Physiology I**

**Total Credits = Cr. 3**
* Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body. The emphasis of the lecture will be on the physiology of organs and tissues. Topics covered will include the human organism, chemical basis of life, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, spinal cord, spinal nerves, brain, cranial nerves, and integration of nervous system functions, autonomic nervous system and special senses. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Eligibility to enroll in ENGL 101 and MATH 110 and successful completion of PHSC 120 or high school or college level chemistry.

**Corequisites:** Concurrent enrollment in BIOL 223, Human Anatomy & Physiology I Laboratory.

**BIOL 222 - Human Anatomy & Physiology II**

**Total Credits = Cr. 3**
* Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body covering the endocrine system, cardiovascular, lymphatic (immune), respiratory, digestive, urinary and reproductive systems, development, growth, aging, nutrition, acid base balance and genetics. This course is designed for science majors and students majoring in a pre-allied health related field.

**Prerequisites:** Completion of BIOL 221 and BIOL 223 with a grade of C or better.

**Corequisites:** Concurrent enrollment in BIOL 224, Human Anatomy & Physiology II Laboratory.

**Physical Sci. Sequences**

**CHEM 101 - General Chemistry**

**Total Credits = Cr. 3**
* Lecture = Lec. 3

An introduction to chemistry, this course presents the basics of inorganic chemistry including the following topics: scientific measurements and calculations, elements and compounds, bonding, stoichiometry, calorimetry, gases, solutions and concentrations, acids and bases. Integrated into this course are problem-solving and quantitative approaches. This course is
intended for non-science and pre-allied health majors.

**Prerequisites:** Completion of MATH 110 with a grade of “C” or higher; Grade of “C” or better in College Algebra or and ACT score of 20 in math.

**Corequisites:** Concurrent enrollment in CHEM 103;

**CHEM 102 - General Chemistry II**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

Lecture course includes an introduction to organic and biochemistry chemistry for non-science majors and selected pre-allied health majors. This course presents basic principles of organic chemistry and biochemistry with emphasis on chemistry of carbon, alkanes, alkenes, alkynes, aromatics, alcohols, phenols, thiols, ethers, aldehydes, ketones, carboxylic acids, amines, amides, carbohydrates, lipids, proteins, enzymes, metabolism, and molecular genetics. Integrated into this course are problem solving and quantitative approaches.

**Prerequisites:** Successful completion of CHEM 101 and CHEM 103 with a grade of “C” or higher

**CHEM 110 - Chemistry I**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on atomic structure, periodicity, bonds, thermochemistry, molecular geometry, gas laws, solutions, and stoichiometry. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in College Algebra or and ACT score of 20 in math.

**Corequisites:** None

**CHEM 120 - Chemistry II**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on reaction kinetics and equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and the chemistry of metals and nonmetals. This course is intended for science and engineering curricula.

**Prerequisites:** Grade of “C” or better in CHEM 110.

**Corequisites:** None

**GEOL 101 - Physical Geology**
An introduction to the scope of geology, the external and internal features of the earth such as landforms, and the agents which are responsible for them including volcanoes, glaciers, earthquakes, wind and running water.

**GEOL 102 - Historical Geology**

Total Credits = Cr. 3  
Lecture = Lec. 3

The development, changes and destruction of the land features and sea areas of the earth and the changing panorama of plant and animal life from the earth’s origin to the present day.

**Prerequisites:** Successful completion of GEOL 101, Physical Geology, with a grade of “C” or higher or by special permission.

**PHSC 100 - Physical Science I**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course is a presentation of an integrated approach to essential concepts in physics such as motion, gravity, heat, electricity, magnetism, sound and light and to emphasize the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

**Prerequisites:** Eligibility to enroll in MATH 99 or higher level math

**PHSC 120 - Physical Science II**

Total Credits = Cr.3  
Lecture = Lec.3;

This course introduces the student to the following concepts of basic chemistry: atoms and their structure, atomic models, atomic nucleus and electron configuration, mixture, bonding, acids and bases, and oxidation and reduction.

**Prerequisites:** Eligibility for MATH 99 or higher level math

**PHYS 210 - General Physics I**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This first semester of a two-semester sequence is an overview of basic concepts and principles of mechanics, heat, and sound.
This course is intended for science majors.

**Prerequisites:** Successful completion of MATH 111, Plane Trigonometry, with a grade of “C” or higher;
**Corequisites:** Concurrent enrollment in PHYS 211, General Physics I Laboratory

**PHYS 220 - General Physics II**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

This second semester of a two-semester sequence is an overview of basic concepts and principles of optics, electricity, magnetism, and other topics of modern physics. This course is intended for science majors.

**Prerequisites:** Successful completion of PHYS 210 & PHYS 211 with a grade of “C” or higher;
**Corequisites:** Concurrent enrollment in PHYS 221, General Physics II Laboratory

**SCIE 101 - Introductory Earth Science I**

**Total Credits = Cr.3**
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science with an emphasis on the following: geology with an introduction to oceanography, meteorology, and astronomy. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. Field trips may be arranged, but not required.

**Prerequisites:** None;
**Corequisites:** None

**SCIE 102 - Introductory Earth Science II**

**Total Credits = Cr.3**
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. General Earth Science 102 will include the following disciplines: geology, oceanography, meteorology, and astronomy with emphasis on oceanography, meteorology, and astronomy. Field trips may be arranged, but not required

**Prerequisites:** None- Students may enroll in SCIE 102 without having taken SCIE 101;
**Corequisites:** None

**Individual Biological Sciences Courses**
**BIOL 210 - General Microbiology**

(formerly BIOL 212)

Total Credits = Cr. 3  
Lecture = Lec 3

Course presents an integrated approach to essential concepts in Microbiology and provides a foundation for practical, hands-on work and critical thinking that are a part of science and medical based professions (for science majors).

**Prerequisites:** Successful completion of BIOL 221 and BIOL 223 with a grade of “C” or higher.  
**Corequisites:** Concurrent enrollment in BIOL 211, General Microbiology Laboratory

**BIOL 228 - Pathophysiology**

Total Credits = Cr. 3  
Lecture = Lec. 3

A detailed study of the mechanisms of disease, alterations in body defenses and the effects on the following body systems: hematological, cardiovascular, respiratory, urinary, gastrointestinal, endocrine, reproductive, nervous, skeletal and integumentary.

**Prerequisites:** Completion of BIOL 221, BIOL 222, BIOL 223 & BIOL 224 with a grade of “C” or higher in each.

**BIOL 230 - Principles Of Zoology**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is designed for students with majors and minors in biological science. The course presents the major concepts of biology as illustrated by animal life and studies selected vertebrates as laboratory animals. An introduction to the anatomy, physiology, classification, and relationships of major animal phyla will be covered. Emphasis will be placed on levels of organization, reproduction, evolution of animal life, diversity and the environment. This course may be used as a general science elective to satisfy the core content requirements.

**Prerequisites:** Eligibility for MATH 110 and ENGL 101; Successful completion of PHSC 120 or high school or college level chemistry.

**SCIE 114 - Environmental Science & Lab**

Total Credits = Cr 3  
Lecture = Lec. 3;

Study of the interactions of human activity with the environment and the future impact of these actions. Ecological, impact, sustainable management and risk analysis will be integrated throughout the course.
Prerequisites: Completion of MATH 110 with a grade of “C” or higher.

Individual Physical Science Courses

**PHYS 110 - Foundations Of Astronomy**

**Total Credits = Cr. 3**  
Lecture = Lec. 3;

This course presents an integrated approach to basic astronomy and astronomical concepts. Basic science skills such as the scientific method are highlighted through astronomy. Astronomic concepts will include the following topics: light and properties of light, lenses, astrophotography, and formation of the universe, galaxies, solar systems, and planets. Practical observational techniques of space objects are performed through use of telescopes. Sunspot activity is monitored via the Internet and through observations of the sun with the appropriate equipment.

Prerequisites: Eligibility to enroll in MATH 99 or higher level math.

Humanities 6 hours

Recommended:

Sequence in history or foreign language

**HIST 101 - Western Civilization To 1650 A.D.**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

A survey of civilization of the world to 1650. Major emphasis on western civilization.

**HIST 102 - Western Civilization Since 1650 A.D.**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

A survey of civilization of the world from 1650 to the present. Major emphasis on western civilization.

**HIST 201 - History Of The United States 1492-1877**
HIST 202 - History Of The Us 1877-present

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of United States history from Reconstruction to the present.

FREN 101 - Elementary French I

Total Credits = Cr. 3
Lecture = Lec. 3

A beginning course designed for students with no previous knowledge of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

FREN 102 - Elementary French II

Total Credits = Cr. 3
Lecture = Lec. 3

A continuation of FREN 101. designed for students who have completed one semester of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

Prerequisites: FREN 101

FREN 201 - Intermediate French

Total Credits = Cr. 3
Lecture = Lec. 3

This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: FREN 101, FREN 102

FREN 202 - Intermediate French
This course is designed to build upon and extend students’ elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: FREN 101, FREN 102, FREN 201

**SPAN 101 - Elementary Spanish I**

Total Credits = Cr. 3  
Lecture = Lec. 3;

An introduction to Spanish language and culture. The course explores the basic grammatical structures of the Spanish language. Throughout the semester, students will develop writing, reading and speaking skills. Emphasis will be placed on communicative skills.

**SPAN 102 - Elementary Spanish II**

Total Credits = Cr. 3  
Lecture = Lec. 3;

A continuation of SPAN 101. The course will extend students’ elementary knowledge of the basic grammatical structures of the Spanish language. Throughout the semester, students will continue to develop reading, writing and speaking skills. Emphasis will be placed on communication skills.

Prerequisites: SPAN 101 with “C” or higher

**SPAN 201 - Intermediate Spanish I**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course is designed to build upon and extend students’ elementary knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: SPAN 102 with “C” or higher

**SPAN 202 - Intermediate Spanish II**

Total Credits = Cr. 3
This course is designed to build upon and extend students’ intermediate knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** SPAN 201 with “C” or higher

**Other options:**

Choose other humanities from above list, literature list or from:

**PHIL 201 - Introduction To Philosophy**

Total Credits = Cr. 3  
Lecture = Lec. 3;

An introduction to philosophical ideas, problems and methods through a study of important philosophers and the major systems of philosophy. Topics to be covered may include appearance and reality, human nature, nature of knowledge, relation of mind with body, the right and the good, the existence of God, and freedom and determinism.

**SPCM 110 - Fundamentals Of Speech**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course develops an awareness of the history and traditions of speech communication worthy of academic study. The course is a summary of this academic and professional field and is comprised of the component parts of organizational and business communication, mass communication, small group and interpersonal communication, as well as public speaking.

**SPCM 120 - Intro To Public Speaking**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

**SPCM 130 - Interpersonal Communication**

Total Credits = Cr. 3  
Lecture = Lec. 3;
This speech and personal communication course is designed for students who are interested in improving their personal knowledge and practice of the principles that govern their interpersonal (usually one-to-one) and intrapersonal (within oneself) communication behavior on a daily basis. This course applies to personal, social and professional context interactions and relationships that often govern their success personally, professionally and in everyday social activities.

Social Science or Related Electives 9 hours

Choose from departments listed below.

- Economics - ECON
- Geography - GEOG
- Political Science - POLI
- Psychology - PSYC
- Sociology - SOCL

Other related electives approved by advisor

Social Science, Humanities, Lab, & Related Electives 12 hours

Choose from departments listed below.

Social Sciences:

- Economics - ECON
- Geography - GEOG
- Political Science - POLI
- Psychology - PSYC
- Sociology - SOCL

Foreign Language Series:

- French - FREN
- Spanish - SPAN

Humanities:

- English - ENGL
- History - HIST
- Philosophy - PHIL
- Speech - SPCH

Other:

Other related electives approved by advisor

Not more than one 1-hour science lab that corresponds with a natural science lecture used toward the fulfillment of the natural science requirement
Completion of the Associate of Arts/Science Louisiana Transfer (AALT, ASLT) degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an AALT/ASLT degree.

Additional Information

Footnotes

1 Students may take any course (assuming they have completed the appropriate prerequisites) from the list that follows to fulfill the general education math elective requirement: MATH 111, MATH 117, MATH 120, MATH 201, MATH 210, MATH 220, MATH 221

2 This category, “other related electives approved by advisor,” is included to enable students to take courses that are not listed among the associate degree requirements but are required for the intended university major. Students should not take courses with the expectation that they will count as “other related electives” unless the courses have been approved by an advisor.

3 While no lab is required, students may opt to take a single one-credit hour lab that corresponds with one of the three lectures used toward the fulfillment of the natural sciences requirement.

Completing an Associate of Arts/Science Louisiana Transfer Degree (AALT/ASLT) at LDCC

- A student’s placement in English and math courses will be determined by ACT, SAT, and/or COMPASS scores. As a result of these scores, some students may be required to take developmental classes in preparation for the English and math classes required for the transfer degree. Note: When appropriate, previous college work will be used to determined placement in these subject areas.
- A course may be applied only once for degree credit.
- Transfer coursework is unofficial until all official transcripts are evaluated and posted.
- To graduate with the AALT or ASLT, students must have LDCC and adjusted cumulative grade-point averages of 2.00.
- Students should refer to the LDCC General Catalog for a detailed explanation of graduation requirements.

Transferring to a University with an AALT or ASLT Degree

Advising and planning are key to a student’s success in maximizing the transfer experience. All students who might eventually transfer from one institution to another should develop, with an advisor’s assistance, a written degree plan of courses to take for the transfer associate degree. Whenever possible, students should use the transfer degree requirements to satisfy the admission requirements of the university to which they wish to transfer; the university’s senior college, departmental, and/or program admission requirements; and course requirements for the baccalaureate degree. Additionally, a student with coursework from multiple institutions may need to contact the Campus Transfer Ombudsman* at the transfer university for information regarding the applicability of non-LDCC coursework toward the intended major at the university.

Completion of the AALT or ASLT does not guarantee that a student will have the grade-point average necessary for admission to the university, senior college, department, program, etc, to which a student wishes to transfer. It is therefore essential that students find out these requirements* as early as possible.
To identify the Campus Transfer Ombudsman (or designated contact person) or GPA requirements for the university to which you wish to transfer, visit the statewide articulation web site. Links to each participating institution’s articulation web site can be found here with other helpful academic resources.

**Student Life**

Successful students are involved in their education both in and out of the classroom. Research has shown that involved students have a better chance of reaching their academic and personal goals. At Louisiana Delta Community College, there are a variety of ways that students can be involved. Supported by the Student Life Fee collected from every student’s tuition, The Office of Student Services provides vents, lectures, concerts, clubs, multicultural programs, leadership opportunities and more.

- **Amphitheater**: Concerts, theatrical performances, SpringFest, and other events are held at the Amphitheater which is located on the grounds of the college.
- **Clubs and Organizations**: A number of chartered student organizations are available to students. All College policies and the Student Code of Conduct will be adhered to while members are participating in any student activity or organization. Student organizations are open to all students without regard to race, color, national origin, gender, age, religion, qualified disability, marital status, veteran’s status, or sexual orientation.
- **Delta Coffee Shop**: Breakfast, lunch and snack items are available for students to purchase. There is a sitting area with wireless internet services.
- **Delta Theater**: The Delta Theater is located on the third floor of the Louisiana Purchase Building, room 315. Theatrical and musical performances are held throughout the year, such as the SGA sponsored Black History Program and the FOCUS sponsored Celebration of the Arts.
- **Delta’s Children Lab School**: Delta’s Children Lab School is open to children ages 3 and 4 years old. Applications are available at the operator’s desk or contact Ms. Donna Guice at dguice@ladelta.edu.
- **Student Commons Area**: The college offers a student lounge area that includes snack machines, TV screens and wireless internet access.
- **Student Government Association**: The Student Government Association (SGA) is elected to represent and to execute the student will and to promote the general welfare of all students. Through the SGA, students are encouraged to provide input into the decision-making process of the College. The SGA office is located on the first floor of the Louisiana Purchase Building, room 156.

**Course Descriptions**

Click here to view the Common Course Numbering Changes.

**ACCT 201 - Intro To Financial Accounting**

Total Credits = Cr. 3  
Lecture = Lec. 3

Concepts, techniques and tools of financial accounting, including the principles of collecting, summarizing, and reporting financial data.
ACCT 202 - Intro To Managerial Accounting

Total Credits = Cr. 3
Lecture = Lec. 3

Fundamentals of the analysis and use of financial information for decision making.

Prerequisites: ACCT 201

ACCT 214 - Tax Accounting

Total Credits = Cr. 3
Lecture = Lec. 3

Current Internal Revenue Act and its application to the federal income tax for individuals.

Prerequisites: ACCT 201

ACCT 218 - Fundamentals Of Income Tax Prep

Total Credits = Cr. 3
Lecture = Lec. 3

A practical course in income tax returns preparation for individual, business, corporate and miscellaneous tax returns, such as those for farms, self-employment, excise taxes and gift taxes.

Prerequisites: ACCT 201

ACCT 1100 - Principles Of Accounting Part I

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers fundamental principles of double-entry accounting, with emphasis on journalizing, posting, and the preparation of financial statements; also accounting for cash and work at close of the fiscal period using the cash basis for a service enterprise. Recommend completion of or placement out of developmental coursework.

ACCT 1200 - Principles Of Accounting, Part II
This course covers fundamental accounting principles relating to sales and receipts, purchases and payments, cash, and payroll; accrual accounting for a merchandising business including the periodic summary, adjustments, and end-of-period closing procedures.

**Prerequisites:** ACCT 1100

**ACCT 1250 - Payroll Accounting**

This course covers accounting principles and procedures relating to payroll accounting, including payroll and personnel records and reports; computation and payment of wages and salaries, social security taxes, income tax withholding; unemployment compensation taxes; and the analysis and recording of payroll transactions.

**Prerequisites:** ACCT 1200

**ACCT 1300 - Intermediate Accounting**

Accounting principles relating to accounts receivable, accounts payable, uncollectible accounts, notes and interest, merchandise inventory, property, plant, and equipment; and accounting for partnerships.

**Prerequisites:** ACCT 1200

**ACCT 1400 - Advanced Accounting**

This course covers principles relating to the corporate organization, including accounting for accounting principles and reporting standards. Financial reporting and analyses including cash flow statements, measures of profitability, liquidity, and financial strength, and accounting for departmentalized profit and cost centers is also covered.

**Prerequisites:** ACCT 1300
ACCT 1500 - Computerized Accounting

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

This course covers basic accounting principles utilizing the application of a computerized accounting package which includes setting up the accounting system, recording routine transactions, preparing financial statements, and completing the year-end operations.

Prerequisites: ACCT 1200 **concurrent enrollment in ACCT 1200 is acceptable**

ACSE 100 - Academic Seminar

Total Credits = Cr. 1
Lecture = Lec. 1

Course for all entering students with less than 30 transfer credit hours and/or students with less than a 2.0 grade point average. Course includes intro to resources at LDCC, independent learning skills, time management, communication skills, goal setting, and career exploration. This course will have a service learning component.

ACSE 101 - Academic Skills Seminar

Total Credits = Cr. 3
Lecture = Lec. 3

Course for all students placing in any 095 developmental courses OR two or more developmental courses. Course includes intro to resources at LDCC; learning styles; time management, communication skills, career exploration, and strategies for note taking, test taking, and study skills. This course will have a service learning component. This course will meet the degree requirement for ACSE 100.

AHEN 1000 - Allied Health English

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

The purpose of this English course is to provide instruction that will enable students to acquire mastery of basic grammar, usage, and mechanics, as well as mastery of sentence structure and the study of paragraph development and introductory essay writing thus providing a foundation for enrollment into an allied health program and improving proficiency in career preparation courses.

AHMA 1000 - Allied Health Math
This applied mathematics course provides a review for the student who needs to master the fundamental numerical operations of addition, subtraction, multiplication, and division of whole numbers, fractions, and decimals. This course also assists the student in acquiring a better understanding of percent, ratio and proportion, measurements, algebraic concepts, and geometry. This course is designed to provide a foundation for enrollment into an allied health program and improving proficiency in career preparation courses.

**AHRE 1000 - Allied Health Reading**

This reading course provides an intensive study of vocabulary, and comprehension skills thus providing a foundation for enrollment into an allied health program and improving proficiency in career preparation courses.

**AHSC 1000 - Allied Health Science**

This Science course provides entry level introduction to biology and chemistry thus providing a foundation for enrollment into an allied health program and improving proficiency in career preparation courses.

**ARTS 103 - Drawing I**

This is an introductory course focusing on the fundamentals of drawing. It emphasizes development of skills such as hand-eye coordination, measuring, and structured line drawing that will enable the student to draw accurately and realistically. Students will work from direct observation using a variety of subject matter.

**ARTS 104 - Figure Drawing**

This course provides the student an opportunity to study the human figure. It introduces the student to the process of observing the human form and interpreting it visually. This course is designed to provide a foundation for enrollment into an allied health program and improving proficiency in career preparation courses.
During this beginning figure drawing course, students will continue to use skills and ideas developed during ARTS 103. Students will gain knowledge of correct proportions and anatomical structure while developing skills of drawing realistic portraiture as well as the entire human figure. The students will be working directly from a live model.

**Prerequisites:** ARTS 103 and ARTS 105.

**ARTS 105 - Design Fundamentals**

**Total Credits = Cr. 3**
Lecture = Lec. 1 / Laboratory = Lab 5

An introductory course to the theory and application of design, focusing on two-dimensional works of art. Basic color theory will occupy one-third of the class.

**ARTS 106 - Color Theory**

**Total Credits = Cr. 3**
Lecture = Lec. 1 / Laboratory = Lab 5

This course is an introduction to the characteristics and use of color. It will explore various theories and concepts about the nature of color and acquaint students to appropriate terminology.

**ARTS 107 - Three-dimensional Design**

**Total Credits = Cr. 3**
Lecture = Lec. 1 / Laboratory = Lab 5

This is a foundation course intended to expand the students understanding of design theory as it pertains to three-dimensional works of art. Students will work with a variety of materials and employ a variety of processes.

**Prerequisites:** ARTS 105.

**ARTS 110 - Crafts**

**Total Credits = Cr. 3**
Lecture = Lec. 1 / Laboratory = Lab 5

The Crafts course is a non-transferable course. It is intended to benefit the community by offering the public a variety of skills based subjects; such as Batik, jewelry making, and stained glass. The proposed students will be art teachers looking for
professional development, retired seniors, high school students, and anyone interested in learning a specific craft. A different craft will be taught each semester. The course may be taken cumulative times.

**ARTS 120 - Art Appreciation**

(Formerly ARTS 101)

**Total Credits = Cr. 3**

Lecture = Lec. 3

Lecture and discussion of the visual arts with emphasis on how and why works have been created in present and earlier times. All major forms of drawing, painting, printmaking, sculpture, design and architecture are explored in basic terms.

**ARTS 201 - Survey Of Art History I**

**Total Credits = Cr. 3**

Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the prehistoric period through the Gothic.

**ARTS 202 - Survey Of Art History II**

**Total Credits = Cr. 3**

Lecture = Lec. 3

This survey course is an introduction to the history of visual art through the study of selected masterworks from the Renaissance to Modern time.

**ARTS 203 - Ceramics, Handbuilding**

**Total Credits = Cr. 3**

Lecture = Lec. 1 / Laboratory = Lab 5

This is an introduction to the tools and techniques used when creating ceramic forms by means of hand-building. Students will gain knowledge pertaining to the characteristics of clay and various building techniques, the application of ceramic glazes, firing procedures, and appropriate terminology. This course will also include an introduction to a variety of ceramic artists and styles intended to encourage and inspire.
ARTS 204 - Wheelthrown Ceramics

Total Credits = Cr. 3  
Lecture = Lec. 1 / Laboratory = Lab 5

This is an introduction to the tools and techniques used when creating forms on a potter’s wheel. Students will gain knowledge pertaining to characteristics of clay, throwing techniques, the application of ceramic glazes, firing procedures, and appropriate terminology. This course will also include an introduction to a variety of ceramic artists and styles intended to encourage and inspire.

ARTS 207 - Beginning Oil Painting

Total Credits = Cr. 3  
Lecture = Lec. 1 / Laboratory = Lab 5

In this introductory oil painting course, students will learn the basic techniques of pictorial representation. Through the exploration of still-life and landscape painting students use a variety of approaches to painting and gain competence using these techniques and materials.

Prerequisites: ARTS 103, ARTS 105, ARTS 106.

ATMO 101 - Intro To Weather & Climate I

(formerly PHSC 112)

Total Credits = Cr. 3  
Lecture = Lec. 3

This course will present an integrated approach to basic meteorology. Basic science skills, such as the scientific method will be highlighted, through meteorology. Meteorology concepts such as structure of the atmosphere, solar radiation, temperature, and atmospheric stability will be covered.

Prerequisites: None  
Corequisites: None

ATMO 102 - Intro To Weather & Climate I

(formerly PHSC 113)

Total Credits = Cr. 3  
Lecture = Lec. 3
This course will explore the dynamic atmosphere including topics of air masses, weather forecasting, and an in-depth view into severe weather and hurricanes will also be discussed and debated as it pertains to current trends of global warming.

**Prerequisites:** None

**Corequisites:** None

**AUTO 1100 - General Engine Diagnosis And Repair**

Total Credits = CR: 2  
/ Laboratory = LAB: 2

This course teaches the techniques used in diagnosing automotive engines and determining the necessary repair procedures. It also covers removal and installation of automotive engines.

**AUTO 1110 - Cylinder Head & Valve Train Diagnosis And Repair**

Total Credits = CR: 1  
/ Laboratory = LAB: 1

This course teaches the procedures and repair methods for diagnosing and reconditioning cylinder heads.

**AUTO 1120 - Engine Block Assembly Diagnosis And Repair**

Total Credits = CR: 1  
/ Laboratory = LAB: 1

This course teaches the procedures and repair methods for diagnosing and reconditioning engine blocks.

**AUTO 1130 - Lubrication And Cooling System Diagnosis And Repair**

Total Credits = Cr: 1  
/ Laboratory = Lab: 1

This course teaches the procedures and methods for the diagnosis and repair of automotive engine lubrication and cooling system.

**AUTO 1200 - General Transmission And Transaxle Diagnosis**
This course teaches the techniques and procedures used in the diagnosis of Automatic transmissions and transaxles.

**AUTO 1210 - Transmission And Transaxle Maintenance**

This course teaches the procedures for the servicing of automatic transmissions and transaxles. It also teaches linkage adjustments.

**AUTO 1220 - In Vehicle Repair**

This course teaches the repair and adjustment procedures that can be performed with the transmission or transaxle installed in the vehicle.

**AUTO 1230 - Off-vehicle Transmission And Transaxle Repair I**

This course teaches the procedures for removal, disassembly, reassembly, and reinstallation of automatic transmissions and transaxles. It also covers the procedures for the repair of torque converters and oil pump assemblies.

**AUTO 1240 - Off-vehicle Transmission And Transaxle Repair II**

This course teaches the procedures for the inspection and measurement of gear trains, shafts, bushings and cases.

**AUTO 1300 - Drive Train And Clutch Diagnosis And Repair**
This course teaches the procedures and methods of diagnosis for manual drive trains and clutches. It also covers removal, installation, and adjustments of clutches.

**AUTO 1310 - Transmission And Transaxle Diagnosis And Repair**

This course teaches the procedures and methods for removal, installation, and reconditioning of manual transaxle and transmission units.

**AUTO 1320 - Drive And Half Shaft And Universal Joint Repair**

This course teaches the procedures and methods for diagnosis and repair of drive, half, and universal joints.

**AUTO 1330 - Drive Axle Diagnosis And Repair**

This course teaches the procedures and methods for diagnosis and repairs of standard differentials, limited slip differentials and drive axle shafts.

**AUTO 1340 - Four And All Wheel Drive Diagnosis And Repair**

This course teaches the procedures and methods for diagnosis and repair of four and all wheel drive vehicles.

**AUTO 1400 - General Steering And Suspension Diagnosis**
This course teaches the procedures and methods used in diagnosing steering and suspension systems.

**AUTO 1410 - Steering System Diagnosis And Repair**

This course teaches the different types of steering systems and the procedures and methods to diagnose and repair steering systems. It also includes instruction on supplemental restraint systems (Air Bags).

**AUTO 1420 - Suspension Systems Diagnosis And Repair**

This course teaches the different types of suspension systems and the procedures and methods used for diagnose and repair.

**AUTO 1430 - Wheel Alignment Diagnosis And Repair**

This course teaches the principles of geometry necessary to understand the procedures and methods for diagnosis and alignment of steering systems.

**AUTO 1440 - Wheel And Tire Diagnosis And Repair**

This course teaches the procedures and methods in the servicing automotive tire and wheel assemblies including rotating, balancing, and repair.

**AUTO 1500 - Hydraulic Systems Diagnosis And Repair**
This course teaches the principles of physics as related to fluid pressures and hydraulics. It also teaches the procedures and methods of diagnosis of the automotive hydraulic system.

AUTO 1510 - Drum Brake Diagnosis And Repair

This course teaches the procedures and methods necessary to diagnose and repair drum brake systems.

AUTO 1520 - Disk Brake Diagnosis And Repair

This course teaches the procedures and methods necessary to diagnose and repair disc brake systems.

AUTO 1530 - Power Assist Diagnosis And Repair

This course teaches the procedures and methods necessary to diagnose and repair power assist units in automotive braking systems.

AUTO 1540 - Antilock And Traction Control Diagnosis And Repair

This course teaches the procedures and methods necessary to diagnose and repair antilock brake systems and traction control systems.

AUTO 1600 - General Electrical System Diagnosis
This course teaches the electrical principles of Ohm’s Law, Series Circuits, Parallel Circuits, and Series Parallel circuits. It also teaches the basic methods of electrical diagnosis and use of schematic and wiring diagrams.

**AUTO 1610 - Battery Diagnosis And Repair**

Total Credits = Cr: 1  
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair the battery and associated electrical components.

**AUTO 1620 - Starting Systems Diagnosis And Repair**

Total Credits = Cr: 2  
/ Laboratory = Lab: 2

This course teaches the procedures and methods necessary to diagnose and repair starting systems including the removal and installation of components.

**AUTO 1630 - Charging Systems Diagnosis And Repair**

Total Credits = Cr: 2  
/ Laboratory = Lab: 2

This course teaches the procedures and methods necessary to diagnose and repair charging systems including removal and installation of components.

**AUTO 1640 - Lighting Systems, Gauges, Warning Devices And Driver Information Diagnosis And Repair**

Total Credits = Cr: 1  
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair lighting systems, gauges, warning devices and driver information systems.
AUTO 1650 - Horn And Wiper/Washer Diagnosis And Repair

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair windshield wiper/washer systems and the horn system.

AUTO 1700 - Air Conditioning System Diagnosis And Repair

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the principles of refrigeration and the procedures and methods necessary to diagnose and repair automotive air conditioning systems.

AUTO 1710 - Refrigeration System Component Diagnosis And Repair

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair individual components of the air conditioning system.

AUTO 1720 - Heating And Ventilation Systems Diagnosis And Repair

Total Credits = Cr: 1
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to diagnose and repair automotive heating and ventilation systems.

AUTO 1730 - Operating Systems And Related Controls

Total Credits = Cr: 1
/ Laboratory = Lab: 1
This course teaches the procedures and methods necessary to diagnose and repair electrical, vacuum, and automatic temperature controls.

**AUTO 1740 - Refrigerant Recover, Recycling And Handling**

Total Credits = Cr: 1  
/ Laboratory = Lab: 1

This course teaches the procedures and methods necessary to properly handle and store refrigerants.

**AUTO 1800 - General Engine Diagnosis**

Total Credits = Cr: 3  
/ Laboratory = Lab: 3

This course teaches the principles of internal combustion engines and the procedures and methods necessary to diagnose general engine mechanical problems.

**AUTO 1810 - Computerized Engine Controls Diagnosis And Repair**

Total Credits = Cr: 3  
/ Laboratory = Lab: 3

This course teaches the procedures and methods necessary to diagnose and repair computerized engine controls by retrieving and storing diagnostics codes.

**AUTO 1820 - Ignition Systems Diagnosis And Repair**

Total Credits = Cr: 2  
/ Laboratory = Lab: 2

This course teaches the procedures and methods necessary to diagnose and repair the various types of ignition systems in use today.

**AUTO 1830 - Fuel, Air Induction, And Exhaust Systems**

Total Credits = Cr: 2
This course teaches the procedures and methods necessary to diagnose and repair fuel supply and fuel delivery systems. It also teaches the repair procedures for intake and exhaust systems.

**AUTO 1840 - Emissions Systems Diagnosis And Repair**

**Total Credits = Cr: 3**  
**/ Laboratory = Lab: 3**

This course teaches the procedures and methods necessary to diagnose and repair the myriad of emissions controls systems on modern automobiles.

**AUTO 1850 - Engine Related Services**

**Total Credits = Cr: 2**  
**/ Laboratory = Lab: 2**

This course teaches the procedures and methods necessary to diagnose and repair mechanical timing devices, and cooling system components.

**AUTO 2991 - Special Projects, I**

**Total Credits = Cr: 1**  
**/ Laboratory = Lab: 1**

A course designed for the student who has demonstrated specific special needs.

**AUTO 2993 - Special Projects, II**

**Total Credits = CR: 2**  
**/ Laboratory = Lab: 2**

A course designed for the student who has demonstrated specific special needs.

**AUTO 2995 - Special Projects, III**
A course designed for the student who has demonstrated specific special needs.

**AUTO 2996 - Special Projects, IV**

Total Credits = Cr: 3  
Lecture = Lec: 3  
A course designed for the student who has demonstrated specific special needs.

**AUTO 2997 - Practicum**

Total Credits = Cr: 3  
Lecture = Lec: 3  
A Practicum provides supervised on-the-job work experience related to the student’s education objectives. Students participating in Practicum do not receive compensation.

**AUTO 2999 - Cooperative Education**

Total Credits = Cr: 3  
Lecture = Lec: 3  
Cooperative Education provides supervised on-the-job work experience related to the student’s educational objectives. Students participating in Cooperative Education receive compensation for their work.

**BIOL 101 - General Biology I**

Total Credits = Cr. 3  
Lecture = Lec. 3  
Course surveys the building blocks of life, basic principles of genetics, evolution and diversity, basic principles of the form and function of plants, animal anatomy, physiology and behavior and their effects on ecology (for non-science majors.)

**Prerequisites:** Eligibility for ENGL 101 and MATH 110.
BIOL 102 - General Biology II

Total Credits = Cr. 3
Lecture = Lec. 3

Course covers the structure of the human body, its functions and its interaction with the environment and mankind.

Prerequisites: BIOL 101 with a grade of “C” or higher

BIOL 103 - General Biology I Lab

Total Credits = Cr. 1
Laboratory = Lab 3

Laboratory designed to accompany and enhance BIOL 101, General Biology I.

Prerequisites or Corequisites: Enrollment in or completion of BIOL 101 with a grade of “C” or higher.

BIOL 104 - General Biology II Lab

Total Credits = Cr. 1
Laboratory = Lab 3

Laboratory designed to accompany and enhance BIOL 102, General Biology II.

Prerequisites or Corequisites: Completion of BIOL 101 & BIOL 103 with a grade of “C” or higher AND enrollment in or completion of BIOL 102 with a grade of “C” or higher.

BIOL 110 - Intro Human Anatomy & Physiology

Total Credits = Cr. 3
Lecture = Lec. 3

Survey of the structure and function of the organ systems of the human body, preceded by a brief consideration of cell structure and physiology, and the microscopic structure of tissues (designed for non-science majors).

Prerequisites: Successful completion of PHSC 120 or high school or college level chemistry and eligibility for ENGL 101 and MATH 110

BIOL 111 - Intro Human Anat. & Physiology Lab
Total Credits = Cr. 1
Laboratory = Lab 3

Laboratory designed to accompany and enhance BIOL 110, Introductory Human Anatomy & Physiology.

**Prerequisites or Corequisites:** Enrollment in or successful completion of BIOL 110 with a grade of “C” or higher.

**BIOL 115 - Survey Of Microbiology**

Total Credits = Cr. 3
Lecture = Lecture 3

The goal of this course is to present an integrated approach to essential concepts in microbiology. This course provides a foundation for practical, hands-on work and critical thinking that are a part of medical-based professions. Special emphasis is placed on microorganisms of medical importance.

**Prerequisites or Corequisites:** Eligibility to enroll in MATH 110 and ENGL 101 with no additional developmental coursework required.

**BIOL 201 - Principles Of Biology I**

Total Credits = Cr. 3
Lecture = Lec. 3

This course covers the concept of scientific methodology, genetics, cell structure and development, evolution and ecology and provides a laboratory component that coincides with the lecture; Designed for students majoring in a science related field.

**Prerequisites:** Eligibility for ENGL 101 and MATH 110 and successful completion of PHSC 120 or a high or college level chemistry.

**BIOL 202 - Principles Of Biology II**

Total Credits = Cr. 3
Lecture = Lec. 3

This course covers the concepts of human evolution and effects on ecology, ecological interactions, natural selection, adaptation, speciation and phylogeny.

**Prerequisites:** Grade of “C” or higher in BIOL 201

**BIOL 203 - Principles Of Biology I Lab**
Total Credits = Cr. 1
/ Laboratory = Lab 3

Laboratory designed to accompany Principles of Biology I lecture (BIOL 201). Laboratory activities will cover the concept of scientific methodology, genetics, cell structure and development, evolution and ecology; Designed for students majoring in a science related field.

Prerequisites: Enrollment in or completion of BIOL 201 with a grade of “C” or higher

BIOL 204 - Principles Of Biology II Lab

Total Credits = Cr. 1
/ Laboratory = Lab 3

Laboratory designed to accompany Principles of Biology II lecture (BIOL 202). Laboratory activities will cover the concepts of human evolution and effects on ecology, ecological interactions, natural selection, adaptation, speciation and phylogeny.

Prerequisites or Corequisites: Completion of BIOL 201 and BIOL 203 with a grade of “C” or higher and enrollment in or completion of BIOL 202 with a grade of “C” or higher.

BIOL 210 - General Microbiology

(formerly BIOL 212)

Total Credits = Cr. 3
Lecture = Lec 3

Course presents an integrated approach to essential concepts in Microbiology and provides a foundation for practical, hands-on work and critical thinking that are a part of science and medical based professions (for science majors).

Prerequisites: Successful completion of BIOL 221 and BIOL 223 with a grade of “C” or higher.
Corequisites: Concurrent enrollment in BIOL 211, General Microbiology Laboratory

BIOL 211 - General Microbiology Lab

Total Credits = Cr. 1
/ Laboratory = Lab 3

Laboratory designed to accompany and enhance techniques and concepts addressed in BIOL 210, General Microbiology lecture.

Prerequisites or Corequisites: Concurrent enrollment in or successful completion of BIOL 210, General Microbiology, with a grade of “C” or higher.
BIOL 221 - Human Anatomy And Physiology I

Total Credits = Cr. 3
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body. The emphasis of the lecture will be on the physiology of organs and tissues. Topics covered will include the human organism, chemical basis of life, cytology, histology, integumentary system, skeletal system, muscular system, nervous system, spinal cord, spinal nerves, brain, cranial nerves, and integration of nervous system functions, autonomic nervous system and special senses. This course is designed for science majors and students majoring in a pre-allied health related field.

Prerequisites: Eligibility to enroll in ENGL 101 and MATH 110 and successful completion of PHSC 120 or high school or college level chemistry.
Corequisites: Concurrent enrollment in BIOL 223, Human Anatomy & Physiology I Laboratory.

BIOL 222 - Human Anatomy & Physiology II

Total Credits = Cr. 3
Lecture = Lec. 3

A descriptive presentation of the structure and function of the organ systems of the human body covering the endocrine system, cardiovascular, lymphatic (immune), respiratory, digestive, urinary and reproductive systems, development, growth, aging, nutrition, acid base balance and genetics. This course is designed for science majors and students majoring in a pre-allied health related field.

Prerequisites: Completion of BIOL 221 and BIOL 223 with a grade of C or better.
Corequisites: Concurrent enrollment in BIOL 224, Human Anatomy & Physiology II Laboratory.

BIOL 223 - Human Anatomy & Physiology I Lab

Total Credits = Cr. 1
/ Laboratory = Lab 3

Prerequisites or Corequisites: Concurrent enrollment in or successful completion of BIOL 221 with a grade of “C” or higher.

BIOL 224 - Human Anatomy & Physiology II Lab

Total Credits = Cr. 1
/ Laboratory = Lab 3
**Prerequisites or Corequisites**: Concurrent enrollment in or successful completion of BIOL 222 with a grade of “C” or higher.

**BIOL 228 - Pathophysiology**

Total Credits = Cr. 3  
Lecture = Lec. 3

A detailed study of the mechanisms of disease, alterations in body defenses and the effects on the following body systems: hematological, cardiovascular, respiratory, urinary, gastrointestinal, endocrine, reproductive, nervous, skeletal and integumentary.

**Prerequisites**: Completion of BIOL 221, BIOL 222, BIOL 223 & BIOL 224 with a grade of “C” or higher in each.

**BIOL 230 - Principles Of Zoology**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course is designed for students with majors and minors in biological science. The course presents the major concepts of biology as illustrated by animal life and studies selected vertebrates as laboratory animals. An introduction to the anatomy, physiology, classification, and relationships of major animal phyla will be covered. Emphasis will be placed on levels of organization, reproduction, evolution of animal life, diversity and the environment. This course may be used as a general science elective to satisfy the core content requirements.

**Prerequisites**: Eligibility for MATH 110 and ENGL 101; Successful completion of PHSC 120 or high school or college level chemistry.

**BIOL 231 - Principles Of Zoology Lab**

Total Credits = Cr. 1  
/ Laboratory = Lab 3

Laboratory designed to accompany BIOL 230, Principles of Zoology. Laboratory activities designed to enhance the learning outcomes specified in the lecture course.

**Prerequisites**: Enrollment in or completion of BIOL 230 with a “C” grade or higher.

**BOTH 1120 - General Body Structure**
This course covers identification of the organs and basic functions of the human body and disorders as it relates to each system with medical terminology integrated with each.

**BOTH 1210 - Administrative Procedures For Medical Offices**

Total Credits = Cr: 3  
Lecture = Lec: 3

This course is a discussion of the components of effective client/staff communication, both verbal and nonverbal. Beginning front office activities in a medical office such as scheduling, insurance, billing, using and maintaining office equipment, legal and ethical issues in the medical office, maintaining patient records, and patient/client education methods are covered. Practical application activities are integrated throughout this course.

**BOTH 1230 - Insurance Billing**

Total Credits = Cr: 3  
Lecture = Lec: 3

This course covers discussion of the types of health insurance, insurance claims procedures and instruction in the application of the current version of the International Classification of Diseases, 2001, Revision, Clinical Modification (ICD-9-CM) Classification System and Current Procedural Terminology (CPT). Students may participate in selected clinical sites as part of this course, if available.

**BOTH 1240 - Coding**

Total Credits = Cr: 3  
Lecture = Lec: 3

This course covers discussion of the types of health insurance, insurance claims procedures and instruction in the application of the current version of the International Classification of Diseases, 2001, Revision, Clinical Modification (ICD-9-CM) Classification System and Current Procedural Terminology (CPT). Students may participate in selected clinical sites as part of this course, if available.

**BOTH 1250 - Advanced Coding**

Total Credits = Cr: 3
This course covers advanced diagnosis and procedure coding in the application of the current version of the International Classification of Diseases, 2001, Revision, Clinical Modification (ICD-9-CM) Classification System and Current Procedural Terminology (CPT). Students may participate in selected clinical sites as part of this course, if available.

**Prerequisites:** BOTH 1120, BOTH 1230, and BOTH 1240

**BOTH 1300 - Medical Office Terminology**

**Total Credits = Cr: 3**  
Lecture = Lec: 3

This course is an introduction of basic medical terms by use of prefixes, suffixes, and anatomical roots.

**BOTH 2110 - Medical Office Transcription**

**Total Credits = Cr: 3**  
Lecture = Lec: 3

This course covers principles of medical transcription along with practical application and usage of medical forms, reports and case studies with integrated medical terminology and medical keyboarding. Students may participate in selected clinical sites as part of this course, if available.

**Prerequisites:** BOTH 1300 and KYBD 1111

**BUSE 1030 - Business English**

**Total Credits = Cr: 3**  
Lecture = Lec: 3

This course is a concentrated and intensive study of English grammar and usage as applied to business documents and applications.

**Prerequisites:** Satisfactory completion of all required Developmental Education English/Writing courses.

**BUSE 1045 - Business Communication**

**Total Credits = Cr: 3**  
Lecture = Lec: 3
This course is a study of concepts and methods of business communication.

**Prerequisites:** Satisfactory completion of all required Developmental Education English/Writing courses and BUSE 1030 and KYBD 1111

**BUSM 1050 - Business Math**

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1

A study of various business-related mathematical processes, principles, and techniques used to solve business problems on the electronic calculator.

**Prerequisites:** Satisfactory completion of all required Developmental Education Math courses.

**BUSN 101 - Introduction To Business**

Total Credits = Cr. 3  
Lecture = Lec. 3

An introductory course covering a variety of business concepts and applications in the areas of business ownership, economics, ethics, finance, management and marketing.

**BUSN 130 - Customer Service For Business Professionals**

Total Credits = Cr. 3  
Lecture = Lec. 3

Training and practice in providing the highest level of customer service for both external and internal customers. Preparation for the National Retail Federation Customer Service Exam will be included.

**BUSN 131 - Principles Of Human Resource Management**

Total Credits = Cr. 3  
Lecture = Lec: 3

This class is an introduction to organizational, legal and psychological frameworks governing modern human resource administration. This course provides an overview of the human resource function and the human resource department’s role in furthering both employee and organizational goals.
BUSN 140 - Personal Finance

Total Credits = Cr. 3  
Lecture = Lec. 3

A study of personal and family finances as well as personal money planning and management. Topics include financial statements, budgets, savings, asset purchasing, borrowing, taxes, insurance, retirement, and estate planning.

BUSN 180 - Notary Public

Total Credits = Cr: 3  
Lecture = Lec: 3

An introductory course providing instruction designed to prepare students for the parishes’ notaries’ examination.

BUSN 190 - Small Business Management

Total Credits = Cr: 3  
Lecture = Lec: 3

Introduction to the initial market research, financing, location and management of a small business firm. Emphasis will be placed on methods and procedures used in the successful establishment and operation of franchised or non-franchised firms.

BUSN 201 - Principles Of Marketing

Total Credits = Cr. 3  
Lecture = Lec 3

Marketing functions; institutions, policies and strategies with their business, economic and social implications. Flow of goods and services from planning through production to consumption.

Prerequisites: BUSN 101

BUSN 210 - Principles Of Management

Total Credits = Cr: 3  
Lecture = Lec: 3
Introduction to fundamental principles of management theory and practice with particular emphasis on developing an understanding of human behavioral and scientific approaches.

Prerequisites: BUSN 101

**BUSN 211 - Supervision**

Total Credits = Cr: 3  
Lecture = Lec: 3

Concepts, skills and assessment techniques for present and prospective supervisors. An overview of the changing role of supervisors in selecting, training, organizing, motivating and evaluating staff.

**BUSN 215 - Business Communication**

Total Credits = Cr.3  
Lecture = Lec.3

Theory and application of communication in the business world. Oral, written and various electronic means of communication will be included and explored.

**BUSN 231 - Business Law I**

Total Credits = Cr. 3  
Lecture = Lec. 3

Legal principles and practices in business environment. Involves the nature and sources of law, the judicial system, contractual relationships, the role of contracts in business, agency relationships, employee obligations and ethical and social responsibilities.

**BUSN 232 - Business Law II**

Total Credits = Cr. 3  
Lecture = Lec. 3

Legal concepts relating to business organizations (sole proprietorships, partnerships and corporations), bailments, sales, real and personal property, commercial paper, government regulations, ethics and insurance.

Prerequisites: BUSN 231
CDYC 101 - Foundations Of Early Childhood Development

Total Credits = Cr. 3
Lecture = Lec. 3

Overview of Early Childhood Education, including personal and professional growth and development, learning theories, ethical standards, and current issues and trends in Early Childhood Education.

CDYC 103 - The Learning Environment

Total Credits = Cr. 3
Lecture = Lec. 3

This course introduces concepts, policies and procedures necessary to create and maintain a safe and healthy learning environment for young children.

CDYC 141 - Creative Expression In Early Childhood Development

Total Credits = Cr. 3
Lecture = Lec. 3

Creativity is the fifth domain in human development. This domain tends to be ignored in the overall education of young children. Early Childhood Educators must be aware of and actively enhance creative development in young children in art, music, language, science, mathematics, food experiences, social studies and dramatics.

CDYC 165 - Language & Literacy In Early Childhood

Total Credits = Cr. 3
Lecture = Lec. 3

This course introduces students to the developmental stages and theories of language and promotes an understanding of individual and cultural differences in language. Actual methods and developmentally appropriate practices are discussed, demonstrated and practiced.

CDYC 211 - Child Guidance

Total Credits = Cr. 3
Lecture = Lec. 3
Positive guidance, discipline and behavior management techniques are learned skills that create competent, effective early childhood educators. Many educators leave the field because they lack knowledge and skills in positive guidance. This course will not only give students a background in discipline techniques but will also provide limited practical experiences with children and caregivers.

**CDYC 213 - Planning Infant & Toddler Curriculum**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course includes planning a developmentally appropriate environment, activities, materials and interactions for infants and toddlers.

**Prerequisites:** CDYC 101

**CDYC 240 - Observation And Participation**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course presents an overview of child development with several varied methods of observing and assessing development in an actual child care setting.

**Prerequisites:** CDYC 101 and permission of instructor.

**CDYC 261 - Parents In The Educational Process**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course includes how to involve parents in learning process. Methods of group and individual parent/ teacher counseling.

**CDYC 265 - Early Childhood Special Education Methods And Approach**

Total Credits = Cr. 3  
Lecture = Lec. 3

This course includes assessment and programming; strategies for developing self-feeding, oral-motor and natural language skills; use of parental input and community resources for children with developmental disabilities.
Prerequisites: CDYC 101 and permission of instructor.

CDYC 273 - Developmental Curriculum And Materials In Early Childhood

Total Credits = Cr. 3  
Lecture = Lec. 3

Planning and implementing developmentally appropriate curriculum and materials for young children; required knowledge and skills in curriculum content area and in developmentally appropriate practice.

Prerequisites: CDYC 101

CDYC 280 - Administration Of Early Childhood Programs

Total Credits = Cr. 3  
Lecture = Lec. 3

An overview of administrative responsibilities in CDYC. Examines professionalism, budget, personnel decisions, philosophy and curriculum development, evaluation tools, development of staff and parent handbooks, state and local regulations and parental involvement.

Prerequisites: CDYC 101

CDYC 298 - Practica In Early Childhood Development

Total Credits = Cr. 6  
Lecture = Lec. 1 / Laboratory = Lab. 18

Supervised work experience in an approved early childhood setting.

Prerequisites: All CDYC courses with a grade of “C” or better, a candidate for graduation, and permission of instructor.

CHEM 101 - General Chemistry

Total Credits = Cr. 3  
Lecture = Lec. 3

An introduction to chemistry, this course presents the basics of inorganic chemistry including the following topics: scientific measurements and calculations, elements and compounds, bonding, stoichiometry, calorimetry, gases, solutions and
concentrations, acids and bases. Integrated into this course are problem-solving and quantitative approaches. This course is intended for non-science and pre-allied health majors.

**Prerequisites:** Completion of MATH 110 with a grade of “C” or higher; Grade of “C” or better in College Algebra or and ACT score of 20 in math.

**Corequisites:** Concurrent enrollment in CHEM 103;

**CHEM 102 - General Chemistry II**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

Lecture course includes an introduction to organic and biochemistry chemistry for non-science majors and selected pre-allied health majors. This course presents basic principles of organic chemistry and biochemistry with emphasis on chemistry of carbon, alkanes, alkenes, alkynes, aromatics, alcohols, phenols, thiols, ethers, aldehydes, ketones, carboxylic acids, amines, amides, carbohydrates, lipids, proteins, enzymes, metabolism, and molecular genetics. Integrated into this course are problem solving and quantitative approaches.

**Prerequisites:** Successful completion of CHEM 101 and CHEM 103 with a grade of “C” or higher

**CHEM 103 - General Chemistry I Lab**

**Total Credits = Cr. 1**  
Lecture = Lab 3

Laboratory designed to accompany CHEM 101, General Chemistry I; Integrated into this course are problem-solving and quantitative approaches. Laboratory component includes introduction to basic laboratory skills and operations, including experiments dealing with physical and chemical properties, chemical reactions, and solution chemistry.

**Prerequisites or Corequisites:** Concurrent enrollment in or successful completion of CHEM 101 with “C” grade or higher.

**CHEM 104 - General Chemistry II Lab**

**Total Credits = Cr. 1**  
Lecture = Lab 3

Laboratory designed to accompany CHEM 102, General Chemistry II; The laboratory will be a hands-on reinforcement of the lecture and will include analysis of the structure and function compounds and mathematical computation.

**Prerequisites:** Concurrent enrollment in or completion of CHEM 102 with a grade of “C” or higher.

**CHEM 110 - Chemistry I**
This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on atomic structure, periodicity, bonds, thermochemistry, molecular geometry, gas laws, solutions, and stoichiometry. This course is intended for science and engineering curricula.

Prerequisites: Grade of “C” or better in College Algebra or and ACT score of 20 in math.
Corequisites: None

### CHEM 111 - Chemistry I Lab

This laboratory designed to accompany CHEM 110, includes introduction to basic laboratory skills and operations including experiments dealing with physical and chemical properties, chemical reactions, and solution chemistry.

Prerequisites: None
Corequisites: Enrollment in or completion of CHEM 110 with a “C” or better.

### CHEM 120 - Chemistry II

This course includes the fundamental laws, modern theories, and principles of chemistry with emphasis on reaction kinetics and equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and the chemistry of metals and nonmetals. This course is intended for science and engineering curricula.

Prerequisites: Grade of “C” or better in CHEM 110.
Corequisites: None

### CHEM 121 - Chemistry II Lab

Laboratory designed to accompany CHEM 120; included in the laboratory component are experiments in qualitative inorganic analysis, acid/base properties, and titration.

Prerequisites: None
Corequisites: Enrollment in or completion of CHEM 120 with a “C” or better.
CINS 101 - Introduction To Computers

Total Credits = Cr. 3
Lecture = Lec. 3

An introduction to computer concepts and the impact of computers on society. The course includes an overview of the uses of computers in the home, education, and industry. The personal computer and its practical use will be emphasized. Students will use a variety of applications, including, but not limited to, word processing, spreadsheets, databases, internet browsers, and e-mail software. The course is designed to give the student the knowledge and skills required to be computer literate in our present digital world.

CINS 195 - Intro To Computer User Support

Total Credits = Cr. 3
Lecture = Lec. 3

This course emphasizes PC troubleshooting and maintenance. Topics include problem solving, Windows, how a computer works, how to maintain, troubleshoot, upgrade, and repair a PC.

Prerequisites: Grade of “C” or higher in CINS 101, successful completion of Competency Exam, or permission of the instructor.

CINS 201 - Microcomputer Applications

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of computer applications for business and personal use. Topics include an introduction to Vista, word processing, spreadsheet, database, and presentation software using the current version of Microsoft Office.

Prerequisites: Grade of “C” or higher in CINS 101 or successful completion of Competency Exam

CINS 202 - Presentation Application

Total Credits = Cr. 3
Lecture = Lec. 3

This course provides a comprehensive presentation of the current version of Microsoft PowerPoint. In addition to introducing PowerPoint, topics include developing a presentation; inserting clip art and creating and using drawn objects (images, sound, and media clips); working with charts and graphs; customizing a slideshow using masters, color schemes, custom templates, custom animation and macros; saving a web page and adding interactivity; and collaborating with others. Students will also learn to
locate and use Internet resources (including library resources and graphics) to build more powerful presentations.

**Prerequisites:** Grade of “C” or higher in CINS 101 or successful completion of Competency Exam.

### CINS 203 - Spreadsheet Applications

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course provides a comprehensive presentation of the current version of Microsoft Excel. In addition to introducing Excel, topics include using formulas, functions, and charts; working with large worksheets and tables; converting data to information using Pivot Tables and Pivot Charts; Data analysis; consolidating data and linking files; What-If analysis, forecasting, amortization and validating data; employing templates, themes, web pages and web queries; Prerequisite: Grade of “C” or higher in CINS 101 or successful completion of Competency Exam, or permission of the instructor.

### CINS 204 - Word Processing Applications

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course provides a comprehensive presentation of the current version of Microsoft Word. In addition to getting started with Word, topics include editing, formatting, and enhancing documents with tables and graphics; share, compare, and document using workgroups, collaboration, comments and references; advanced features such as wizards, templates, and mail merges; desktop publishing; expert user features such as forms, document protection, and web publishing.

**Prerequisites:** Grade of “C” or higher in CINS 101 or successful completion of Competency Exam, or permission of the instructor.

### CINS 205 - Database Applications

**Total Credits = Cr. 3**  
Lecture = Lec. 3

This course provides a comprehensive presentation of the current version of Microsoft Access. In addition to an introduction to Access, topics include relational databases and multi-table queries; how to customize, analyze, and summarize query data to make decisions; create expressions with expression builder; create and work with data aggregates; create, edit and perform calculations in creating professional and useful reports; perform data mining using pivot tables and pivot charts; establish validation methods to help ensure the integrity of data; plan and create forms; perform database maintenance by creating a table query, an append query, a delete query, and an update query.

**Prerequisites:** Grade of “C” or higher in CINS 101 or successful completion of Competency Exam, or permission of the instructor.
CINS 206 - Intro To Internet Technologies

Total Credits = Cr. 3
Lecture = Lec. 3

This course presents the applications and technologies of the Internet. The student examines the history, current issues and functions of the Internet. Will also examine and use Internet technologies including Web browsers, search tools, communication tools, research and reference tools, portals, FTP, and TCP/IP. The student will explore strategies for successful Web site development and apply the basics of Web page design using markup languages and Web site authoring tools. The student will also explore E-Business models and the creation of an online store.

Prerequisites: Grade of “C” or higher in CINS 101 or successful completion of Competency Exam and grade of “C” or higher in CINS 204.

CINS 207 - Intermediate Web-page Design

Total Credits = Cr. 3
Lecture = Lec. 3

This course presents intermediate to advanced web page design techniques. Topics will include effective use of graphics, fonts, colors, navigation tools, and advanced markup language elements. Upon completion, the student should be able to employ design techniques to create high impact and highly functional web pages.

Prerequisites: Grade of “C or higher in CINS 101 or successful completion of Competency Exam and grade of “C” or higher in CINS 206.

CINS 208 - Desktop Publishing Applications

Total Credits = Cr. 3
Lecture = Lec. 3

This course provides an introduction to desktop publishing software capabilities. Emphasis placed on efficient use of a page layout software package to create, design, and print publications. The course also explores hardware/software compatibility and integration of specialized peripherals. Upon completion, students should be able to prepare publications given design specifications.

Prerequisites: Grade of “C” or higher in CINS 101 or successful completion of Competency Exam.

CINS 209 - Advanced Microsoft Office

Total Credits = Cr. 3
Lecture = Lec. 3
This course presents advanced concepts and techniques of the current version of Microsoft Office including MS Word, MS Excel, MS Access, and MS PowerPoint. Integration between software packages is emphasized and the role of the Internet is examined. Students solve a variety of advanced business problems.

**Prerequisites:** Grade of “C” or higher in CINS 101 or successful completion of Competency Exam and grade of “C” or higher in CINS 202; CINS 203; CINS 204; CINS 205 or permission of the instructor.

**CJUS 101 - Introduction To Criminal Justice**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

This course provides an introduction to the criminal justice system. The primary goal of this course is to develop a general understanding of the criminal justice system’s response in society. The course explores the entire criminal justice system including its history, composition, organization, functions and interrelationships at the local, state, and federal levels as well as an analysis of the definitions of crime, how crime is measured, theories of crime causation and criminal law.

**CJUS 201 - Criminal Law**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

An examination of substantive criminal law with emphasis on history, theory, classification and elements of crimes, elements of proof, and other issues related to criminal law.

**Prerequisites:** CJUS 101

**CJUS 202 - Law Enforcement**

**Total Credits = Cr. 3**
**Lecture = Lec. 3**

This course is a study of organizational and operational principles of law enforcement and security systems, roles, activities, services, and problems of law enforcement and security in relationship with community, city government, and other institutions. Focus on discretion, selective enforcement, subculture, and operational styles in organizational work settings.

**Prerequisites:** CJUS 101

**CPTR 1000 - Introduction To Computers**
An introductory study of computer system components, operating system environments, Internet concepts, and security issues. Includes a hands-on study emphasizing computer hardware and various operating systems features.

Prerequisites: None

CPTR 1002 - Computer Literacy And Applications

(**PREVIOUSLY KNOWN AS CPTR 1000)

This course is an introductory study and application of computer system components and operating system environments. Internet concepts, electronic mail, and core components of word processing, database management, spreadsheets, and presentation software will also be addressed.

CPTR 1010 - IC3

IC3–The Digital Literacy Certification courseware provides skills training and assessment for a broad range of computing concepts and techniques, including competency in computer hardware and software, operating systems, word processing and spreadsheet functions, networks and the Internet, electronic mail, and an understanding of the impact of computing and the Internet in society. The courseware is divided into three modules corresponding to the three exams that form the IC3 certification.

CPTR 1310 - Introduction To Database Management

This course covers basic methods for creating a database, adding, changing and deleting information in a database, printing data in the form of reports, and the printing of address labels.

Prerequisites: CPTR 1002

CPTR 1320 - Spreadsheets
This course focuses on the basic fundamentals of producing spreadsheets and graphs.

**Prerequisites:** CPTR 1002

**CSRV 1000 - Customer Service**

This course is intended to help participants’ progress from learning about themselves, to learning how to relate to their internal customers as well as their external customers in the workplace.

**Prerequisites:** Consent of Instructor

**CSRV 2000 - Customer Service**

NEEDS COURSE DESCRIPTION

**DPET 1120 - Safety Skills & Introduction To Diesel**

Basic safety information needed to prepare individuals entering the workforce with an introduction to the occupation of diesel powered equipment technology, safety, tools, test equipment, fasteners, bearings, and seals. Laboratory work requires using tools and fasteners.

**DPET 1130 - Diesel Engine Parts Identification & Operating Principles**

This course is an introduction to the design and construction of diesel engines and identification of diesel engine parts.
DPET 1140 - Engines I

Total Credits = Cr. 3
Lecture = Lec. 1 / Laboratory = Lab 2

The course will include disassembly, inspection and evaluation, repair and reassembly of engines.

DPET 1141 - Engines II

Total Credits = Cr.
Lecture = Lec. 1 / Laboratory = Lab 2

The course will include disassembly, inspection and evaluation, repair and reassembly of engines.

DPET 1150 - General Engine Diagnosis

Total Credits = Cr: 3
Lecture = Lec: 1 / Laboratory = Lab: 2

The course will include performance of preventive maintenance on diesel engines, diagnosis of engine malfunctions, performance of tune-ups using related service manuals and test equipment.

DPET 1210 - Basic Diesel Electrical Systems

Total Credits = Cr: 4
Lecture = Lec: 2 / Laboratory = Lab: 2

This course will include electrical safety practices; tool use; connecting and disconnecting techniques; direct current symbols, components, and schematics; principles of DC voltage and current; Ohm’s Law; and troubleshoot, repair, and calibrate electrical/electronic systems.

DPET 1220 - Advanced Diesel Electrical Systems

Total Credits = Cr: 3
Lecture = Lec: 1 / Laboratory = Lab: 2

This course will include the study of DC resistance and conductors, principles of DC circuits, fundamentals of alternating current and semiconductors, basic electronic circuits, and digital electronics.
DPET 1231 - Diesel Engine Control Systems

Total Credits = Cr: 2  
Lecture = Lec: 1 / Laboratory = Lab: 1

This course includes identification and functions of vehicle computer control systems.

DPET 1240 - Diesel Engine Fuel Systems

Total Credits = Cr: 3  
Lecture = Lec: 1 / Laboratory = Lab: 2

This course will include the identity of type and functions of fuel injectors, nozzles, and unit injectors; troubleshooting, replacing injectors and nozzles, the identity of types, parts, functions, operation, and uses of various fuel injection pumps, electronic metering systems and electronic unit injectors.

DPET 1251 - Alternative Fuel Systems

Total Credits = Cr: 2  
Lecture = Lec: 1 / Laboratory = Lab: 1

This course includes an introduction to various fuel systems, components, and their functions and the proper storage, identification and grading of fuels.

DPET 1310 - Introduction To Power Trains

Total Credits = Cr: 2  
Lecture = Lec: 1 / Laboratory = Lab: 1

This course includes the theory of operation and application of various mechanical gearing components.

DPET 1320 - Transmissions

Total Credits = Cr: 3  
Lecture = Lec: 1 / Laboratory = Lab: 2
The course includes a detailed study of the function, construction, operation and servicing of automatic and manual transmissions.

**DPET 1330 - Differentials**

*Total Credits = Cr: 3*
Lecture = Lec: 1 / Laboratory = Lab: 2

This course includes identifying the parts of driver lines and differentials for medium/heavy duty trucks and heavy equipment. Live work will be a part of this course.

**DPET 2110 - Basic Hydraulics**

*Total Credits = Cr: 2*
Lecture = Lec: 1 / Laboratory = Lab: 1

This course includes the principles of basic hydraulic systems and general maintenance procedures of a hydraulic system. Also included are the disassembly and assembly of hydraulic components and the application of safety rules and regulations.

**DPET 2120 - Advanced Hydraulics**

*Total Credits = Cr: 3*
Lecture = Lec: 1 / Laboratory = Lab: 2

The course includes principles of advanced hydraulic system, troubleshooting and application of open-centered and closed-centered systems, close-centered load sensing, variable displacement pump, positive displacement pump, hydrostatic systems, and electro-hydraulic systems.

**DPET 2130 - Brakes**

*Total Credits = Cr: 4*
Lecture = Lec: 1 / Laboratory = Lab: 3

The course includes nomenclature, theory of operation, and service procedure for medium/heavy duty truck braking systems to include air and hydraulics.

**DPET 2140 - Fundamentals Of Steering**
The course contains the theory of operation and service procedures for medium/heavy duty truck steering systems.

**DPET 2210 - Fundamentals Of Suspension**

The course includes the theory of operation and service procedures for medium/heavy duty truck suspension systems.

**DPET 2220 - Air Conditioning**

This course covers the physical and chemical laws governing the principles of refrigeration. The basic cycle and components will be covered. Applications will include alternate refrigerants, transferring, evacuation and system reprocessing.

**DPET 2231 - Welding**

The course includes practical experience in the use of oxyacetylene and shielded arc welding of steel plate in the flat position and an introduction of oxyacetylene/cutting procedures is also included.

**DPET 2240 - Diesel Preventive Maintenance**

The course includes the importance of preventive maintenance, types of preventive maintenance, types of preventive maintenance inspection, vehicle overview, and the knowledge and use of specialty tools.

**DPET 2993 - Special Projects II**
A course designed for the student who has demonstrated specific special needs.

**DPET 2995 - Special Projects III**

Total Credits = Cr: 3
Laboratory = Lab: 3

A course designed for the student who has demonstrated specific special needs.

**DPET 2996 - Special Projects IV**

Total Credits = Cr: 3
Lecture = Lec: 3

A course designed for the student who has demonstrated specific special needs.

**DPET 2999 - Cooperative Education**

Total Credits = Cr: 3
Lecture = Lec: 3

Cooperative Education provides supervised on-the-job work experience related to the student’s educational objectives. Students participating in Cooperative Education receive compensation for their work.

**ECON 201 - Macroeconomics**

Total Credits = Cr. 3
Lecture = Lec. 3

A study of price and output determination, theories of production, determination of prices in regulated and unregulated industries, functional distribution of income, and international economics.

**ECON 202 - Microeconomics**
A study of economics, economic concepts and economic institutions. Emphasizes the operation and function of a market economy while analyzing economic problems related to income, employment, the business cycle, money and banking, growth and development.

Prerequisites: ECON 201

**EDUC 101 - Introduction To Education**

Survey and evaluation of traditional and modern educational thought and practices.

**EDUC 131 - Intro To Special Education**

Examines the exceptional child: the intellectually gifted; the learning disabled; those with behavioral, neurological, hearing, visual, and other disorders.

Prerequisites: EDUC 101

**EDUC 181 - Children’s Literature**

This course includes discussion and demonstrations concerning children’s literature and creative methods of storytelling for pre-schools.

Prerequisites: EDUC 101

**ENGL 95 - Grammar & Composition I**

Total Credits = Cr. 3
Intensive instruction in basic grammar and mechanics with emphasis on paragraph writing. Placement based on English ACT below 14 or equivalent measure.

**ENGL 99 - Grammar & Composition II**

**Total Credits = Cr. 3**
Lecture = Lec. 3

Intensive instruction in basic composition and essay writing skills, including instruction in grammar and mechanics. ACT 15-17 or equivalent measure.

**ENGL 101 - English Composition I**

**Total Credits = Cr. 3**
Lecture = Lec. 3

Introduction to college-level writing and essay format. Students develop critical reading and thinking skills while mastering the writing process and improving their abilities to write, revise, and edit essays.

**Prerequisites:** ENGL 99 or by ACT of 18 or higher or placement diagnostic test.

**ENGL 102 - English Composition**

**Total Credits = Cr. 3**
Lecture = Lec. 3

Students will master the principles of researched writing and complete an accurately documented research paper.

**Prerequisites:** ENGL 101 with a grade of “C” or higher.

**ENGL 201 - English Literature**

**Total Credits = Cr. 3**
Lecture = Lec.3

This course is a survey of important works of English literature from the Anglo-Saxon period to the Restoration and Eighteenth Century. Writers studied in the course will include Chaucer, Marlowe, Shakespeare, Donne, Milton, Swift and others.
Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 202 - English Literature

Total Credits = Cr. 3
Lecture = Lec. 3

This course is a survey of important works of English literature from the Romantic Period through the Twentieth Century. Writers studied in the course will include Blake, Shelley, Wordsworth, Keats, Byron, Coleridge, Browning, Tennyson, Conrad, Yeats, Joyce, Lawrence, Eliot, Auden and others.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 203 - American Literature I

Total Credits = Cr. 3
Lecture = Lec. 3

This course will be a survey of significant works in American Literature from its beginnings to 1860. Included in the course are Native American myths, works by early explorers and settlers, the literature of reason and revolution, and the Romantic and Transcendental movements.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 204 - American Literature II

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of American Literature from 1860 to the present. Major writers include Whitman, Dickinson, Twain, Frost, Eliot, Hemingway, Faulkner and Steinbeck, as well as the rising voices of ethnic and women’s literature in the 20th century.

Prerequisites: ENGL 102 with a grade of “C” or higher.

ENGL 205 - World Literature

Total Credits = Cr. 3
Lecture = Lec. 3;
A survey of the major works of World Literature from the Classical Period to the Renaissance, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 206 - World Literature**

**Total Credits = Cr. 3**
Lecture = Lec. 3

A survey of the major works of World Literature from the Renaissance to the present, in English translation. Course includes literary masterpieces of Europe, the Americas, Asia, and Africa.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**ENGL 207 - Literature Of The Old Testament**

**Total Credits = Cr. 3**
Lecture = Lec. 3

This course is a survey of literature found in the Old Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

**Prerequisites:** ENGL 102 with “C” or higher.

**ENGL 208 - Literature Of The New Testament**

**Total Credits = Cr. 3**
Lecture = Lec. 3

This course is a survey of literature found in the New Testament. The course is designed to enable students to better understand non-biblical literature, which alludes to the biblical record.

**Prerequisites:** ENGL 102 with “C” or higher.

**ENGL 211 - Survey Of Short Stories & Novels**

**Total Credits = Cr. 3**
Lecture = Lec. 3
Skills for reading and writing about fiction; attention to generic conventions and critical perspectives; section emphasis may vary; consult departmental handout.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

---

**ENGL 215 - Introduction To Drama & Poetry**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

The course is designed to develop in students an ability to understand, analyze and evaluate drama and poetry. The first half of the course focuses on drama and introduces the student to plays from the Greek classics through the twentieth century. The second half of the course emphasizes poetry that reflects different forms, subjects, themes and points of view. Since reading is a major focus of this course, students will practice a variety of interrelated reading and interpretative skills. Students’ writing should move beyond paraphrasing into analysis, interpretation and argumentation.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

---

**ENGL 220 - Technical Writing**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

Development of written communication skills required in the technical, professional, and scientific workplace. Course includes preparation of reports, proposals, memorandums, letters, abstracts, and other writing assignments, including a research paper.

**Prerequisites:** ENGL 102 and CINS 101 with a grade of “C” or higher.

---

**ENGL 250 - Special Topics**

**Total Credits = Cr. 3**  
Lecture = Lec. 3

Survey of varying literary types and themes. Content varies, and may include Children’s Literature, Women Writers, African American Literature, The Bible as Literature, Folklore, and others.

**Prerequisites:** ENGL 102 with a grade of “C” or higher.

---

**ENGL 1015 - English Composition I**
The study of the basic rhetorical modes of English composition with emphasis on prewriting, writing, and revising techniques utilizing correct English grammar, usage, and punctuation. Prerequisites: English score of at least 20 on the Enhanced ACT, successful completion of Developmental English, or permission of the campus CAO.

**ENTP 1000 - Entrepreneurship**

**FREN 101 - Elementary French I**

Total Credits = Cr. 3
Lecture = Lec. 3

A beginning course designed for students with no previous knowledge of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

**FREN 102 - Elementary French II**

Total Credits = Cr. 3
Lecture = Lec. 3

A continuation of FREN 101. designed for students who have completed one semester of French. It places strong emphasis on vocabulary, sounds and structure of the French language. Supplemental work will be done in the language laboratory.

Prerequisites: FREN 101

**FREN 201 - Intermediate French**

Total Credits = Cr. 3
Lecture = Lec. 3

This course is designed to build upon and extend students' elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: FREN 101, FREN 102
FREN 202 - Intermediate French

Total Credits = Cr. 3
Lecture = Lec. 3

This course is designed to build upon and extend students' elementary knowledge of the French culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

Prerequisites: FREN 101, FREN 102, FREN 201

GEOG 202 - Cultural Geography

Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to the concepts, themes and techniques of cultural geography; topical discussion of religion, politics, language, population, agriculture, urbanization, environmental and social problems.

GEOG 205 - Physical Geography

Total Credits = Cr. 3
Lecture = Lec. 3

Introduction to the concepts, themes and disciplines of physical geography. Discussion of atmospheric moisture, pressure and temperature, plate tectonics, volcanism, weathering and mass wasting, diastrophism, coastal processes, fluvial processes, global ecosystems and weather systems.

GEOL 101 - Physical Geology

Total Credits = Cr. 3
Lecture = Lec. 3

An introduction to the scope of geology, the external and internal features of the earth such as landforms, and the agents which are responsible for them including volcanoes, glaciers, earthquakes, wind and running water.

GEOL 102 - Historical Geology
The development, changes and destruction of the land features and sea areas of the earth and the changing panorama of plant and animal life from the earth’s origin to the present day.

Prerequisites: Successful completion of GEOL 101, Physical Geology, with a grade of “C” or higher or by special permission.

GEOL 110 - Age Of Dinosaurs

A non-technical survey, designed especially for non-science majors, of dinosaurs and their world. The origin, evolution, ecology, physiology, biology, and social behavior of dinosaurs are reconstructed from bones, tracks, nests, and applied biology. Possible reasons for their extinction are considered. Emphasis is placed on viewing dinosaurs as superbly successful members of their ecosystem.

HEHS 101 - Intro Direct Support Profession

Course includes the history of disability movement, legislative history, values and philosophy, Louisiana’s service system, professional knowledge and behavior. This course will enhance professional awareness and knowledge of issues related to the Direct Support Profession.

HEHS 102 - Fundamentals Of Communication & Advocacy

includes communication devices, problem solving, NADSP Code of Ethics, professional terms and acronyms, communication devices, communicating with families, overview of developmental disabilities.

HEHS 103 - Teaching People With Disabilities
Course covers teaching modalities to enhance the learning process for people with developmental disabilities. Topics include self determination, team process, consumer assessment, systematic skill instruction, developing functional goals and objectives, prompting hierarchy, least intrusive prompts, graduated guidance, time delay, positive reinforcement, increasing productivity, developing adaptations, assistive technology, positive behavioral supports, and data collection.

**HEHS 104 - Developing, Implementing, & Evaluating Individualized Supports**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

Covers teaching modalities to enhance the learning process for people with developmental disabilities. Topics include principles of person-centered planning, person-centered approaches and outcomes, person-centered values and philosophies, comparison of person-centered supports vs. system-centered services, mapping process, meeting process, DSP roles, individualized supports, individualized service plans, writing goals and objectives, functional application of person-centered information, and individualized person-centered documentation.

**HEHS 105 - Health And Human Service Practicum**

Clinical Hrs. 150

**Total Credits = Cr. 3**  
The practicum is a required training experience of at least 150 actual face-to-face hours, which will take place in a clinical setting. The practicum seminar will be facilitated by a Louisiana Delta Community College faculty member.

**HIST 101 - Western Civilization To 1650 A.D.**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

A survey of civilization of the world to 1650. Major emphasis on western civilization.

**HIST 102 - Western Civilization Since 1650 A.D.**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3**

A survey of civilization of the world from 1650 to the present. Major emphasis on western civilization.
HIST 201 - History Of The United States 1492-1877

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of United States history from discovery through Reconstruction.

HIST 202 - History Of The Us 1877-present

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of United States history from Reconstruction to the present.

HIST 210 - Louisiana History

Total Credits = Cr. 3
Lecture = Lec. 3

A survey of Louisiana history from the original European settlement to the present. Students are advised to contact four-year universities to determine transferability of course.

HNUR 1211 - Nursing Fundamentals I

Total Credits = Cr: 4
Lecture = Lec: 3 / Laboratory = Lab: 1

Theory (45hrs) and supervised skills lab (30hrs) experiences that focus on providing basic nursing skills to meet the physiological, psychosocial, socio-cultural, and spiritual needs of clients in various health care environments. Infection control information and skills are presented as part of this course. Omnibus Budget Reconciliation Act (OBRA) guidelines are presented as application of the nursing process in the management of clients with health alterations.

HNUR 1212 - Geriatric Clinical

Total Credits = Cr: 1
Lecture = Lab:1

The student will perform, demonstrate, and practice a minimum of 40 hours of basic geriatric nursing care and skills in long term care facilities under the supervision and discretion of the LTC nursing faculty.
HNUR 1270 - Pn Perspectives

Total Credits = Cr: 3
Lecture = Lec: 3

This course includes information regarding vocational adjustments and personal, family, and community health issues. It expounds on the role of the practical nurse, practical nursing education and the Law Relating to the Practice of Practical Nursing as defined by the Louisiana State Board of Practical Nurse Examiners (LSBPNE), including the Louisiana Revised Statutes, Title 37, Chapter 11, Subpart II - Practical Nurses and LAC 46:XLVII.Nursing, subpart 1 - Practical Nurses. Ethical/legal/cultural issues and trends, communication techniques, and personality development are addressed. It includes discussion of the concepts of health maintenance with identification of local, state and national health resources available for maintenance of health. Also included is an introduction to the normal aging process, including biological, psychosocial, cultural, spiritual, and pharmacological factors, including health maintenance throughout the life cycle. Additional topics covered in this course will include rehabilitative/restorative care and support of end-of-life issues utilizing therapeutic and preventive measures.

HNUR 1300 - Anatomy And Physiology For Healthcare Providers

Total Credits = Cr: 5
Lecture = Lec: 5

This course is a study of structure and function of the human body systems to include cells, skeletal, muscular, circulatory/lymphatic, digestive, respiratory, urinary, reproductive, endocrine, nervous, sensory and integumentary systems. Medical terms and commonly used medical/nursing abbreviations related to each body system are addressed in detail in this course.

HNUR 1320 - Nutritional Aspects

Total Credits = Cr: 2
Lecture = Lec: 2

Normal nutrition and the modification of the principles of normal nutrition for therapeutic purposes are studied. This course includes the role of the essential nutrients of proteins, carbohydrates, fats, vitamins, minerals and water in the maintenance of good health and wellness for all ages.

HNUR 1361 - Basic Pharmacology

Total Credits = Cr: 3
Lecture = Lec: 2 / Laboratory = Lab: 1

Medical math is an integral component of this course. The terminology and principles of medication administration are presented
in this course. It includes medication assessment, procedures for administration of oral, parenteral, topical, irrigation and instillation routes/methods, along with basic dosage calculations of medications/intravenous fluid rates. Safety precautions, guidelines and documentation are emphasized.

HNUR 1411 - Nursing Fundamentals II

Total Credits = Cr: 3  
Lecture = Lec: 2 / Laboratory = Lab: 1

This course includes 30 hrs of theory and 60hrs of supervised skills lab experiences that focus on providing practical nursing skills to meet the physiological, psychosocial, socio-cultural, and spiritual needs of clients in various healthcare environments. Advanced skills are presented through the application of the nursing process to assist in the management of all aged clients with health alterations.

HNUR 1460 - Advanced Pharmacology

Total Credits = Cr: 1  
Lecture = Lec: 1

Drug classifications and their effect on the various body systems are presented. Specific drugs in each classification are emphasized according to expected effects, side effects, and adverse effects. Routes of drug administration and variables that influence drug action are covered including dangerous drug interactions and nursing implications related to each drug. Safety precautions which will help to decrease the incidence of errors in medication administration are stressed. Advanced medication calculations will be required to demonstrate knowledge of safe dosing parameters. The nursing process is utilized to assess the client’s learning needs and effects of all pharmacological interventions.

HNUR 2113 - Medical/ Surgical I

Total Credits = Cr: 8  
Lecture = Lec: 5 / Laboratory = Lab: 3

This course is a study of the nursing process as a method of individualizing patient care with special emphasis directed towards essential concepts related to body fluid/water, electrolytes, and acid-base balance, care of the perioperative adult client and the adult client experiencing alterations in cardiovascular/lymphatic/immune functioning. Included is a review of anatomy & physiology, and therapeutic/modified diets for each body system addressed. Pharmacological interventions/commonly used medications for each body system addressed are discussed at length. Geriatric considerations are addressed. Students will begin to utilize a nursing process approach, and will perform applicable practical nursing clinical skills to assigned client(s) in approved health care facilities under the supervision and discretion of practical nursing faculty. This course includes a 180-hour clinical component.

HNUR 2123 - Medical/ Surgical III
This course includes theory related to nursing care provided to adult clients experiencing alterations in the respiratory, gastrointestinal, endocrine and integumentary function. Care of the adult client with a neoplastic disorder is also included. Included is a review of anatomy and physiology, and therapeutic/modified diets for each body system addressed. Pharmacological interventions/commonly used medications for each body system addressed are discussed at length. Geriatric considerations are addressed. Utilizing a nursing process approach, the student will perform applicable practical nursing clinical skills to multiple clients in approved health care facilities under the supervision and discretion of practical nursing faculty. Critical thinking skills are encouraged while the student learns to make interdependent practical nursing decisions. This course includes a 180- hour clinical component.

**HNUR 2133 - Medical/surgical III**

This course includes the study of genitourinary, reproductive, sensory, neurological and musculoskeletal disorders with emphasis on pathophysiology and pharmacology for the adult client. Included is a review of anatomy and physiology, and therapeutic/modified diets. Pharmacological interventions/commonly used medications for each body system addressed are discussed at length. Geriatric considerations are addressed. Utilizing a nursing process approach, the student will perform applicable practical nursing clinical skills to multiple clients experiencing serious illnesses in approved health care facilities under the supervision and discretion of practical nursing faculty. Critical thinking skills are utilized while the student begins to make interdependent practical nursing decisions. Students will be expected to perform clinical skills with in-direct supervision of the clinical instructor. This course includes a 180-hour clinical component.

**HNUR 2523 - Mental Illness/ Psychiatric Nursing**

This is the study of the client experiencing emotional, mental and social alterations utilizing the nursing process approach with integrated pharmacology and application of life span principles. Geriatric considerations are addressed. Utilizing a nursing process approach, the student will perform applicable practical nursing clinical skills to clients in mental health facilities under the supervision and at the discretion of practical nursing faculty. This course includes a 30-hour clinical component

**HNUR 2611 - IV Therapy**

The role of the practical nurse, legal implications of intravenous (IV) therapy, and equipment/devices used, anatomy/physiology,
methods and techniques, infection control measures, complications, and other vital information related to intravenous therapy is discussed. Supervised lab performance (15hrs) is an integral part of this course.

**HNUR 2713 - Obstetrics**

Total Credits = Cr: 2.5  
Lecture = Lec: 2 / Laboratory = Lab: 0.5

Current issues, growth and development of the childbearing family, fetal development and gestation are studied. Care of the client during the antepartal, intrapartal, and postpartal periods is included, as well as care of the neonate. Included is a review of anatomy and physiology, and therapeutic/modified diets. Pharmacological interventions/commonly used medications for each body system and condition are discussed at length. Utilizing a nursing process approach, the student will perform applicable practical nursing clinical skills to maternal & neonatal clients during the antepartal, intrapartal, and postpartal periods, in appropriate clinical sites, under the supervision and at the discretion of practical nursing faculty. This course includes a 30-hour clinical component.

**HNUR 2723 - Pediatrics**

Total Credits = Cr: 2.5  
Lecture = Lec: 2 / Laboratory = Lab: 0.5

This course presents essential information related to growth and development of infants, toddlers, preschool through school age and adolescents, and those diseases common but not exclusive to the particular age groups. Included is a review of anatomy and physiology, and therapeutic/modified diets. Pharmacological interventions/commonly used medications for each body system and age group are discussed at length. Utilizing a nursing process approach, the student will perform applicable practical nursing clinical skills to pediatric clients in appropriate clinical sites under the supervision and at the discretion of practical nursing faculty. This course includes a 30-hour clinical component.

**HNUR 2813 - Pn Leadership And Management**

Total Credits = Cr: 2.5  
Lecture = Lec: 2 / Laboratory = Lab: 0.5

This course presents the laws, rules and regulations which govern licensure to practice practical nursing in the state of Louisiana, including a review of the Louisiana Revised Statutes, Title 37, Chapter 11, Subpart II – Practical Nurses and LAC 46:XLVII.Nursing, subpart 1- Practical Nurses. Students are prepared for the NCLEX-PN licensure examination. It is designed to prepare the future LPN for compliance with the laws, to explain the procedures which facilitate necessary operations of the Louisiana State Board of Practical Nurse Examiners (LSBPNE) and to outline the obligations which accompany the privilege of service in health care. Legal responsibilities, confidentiality and ethical practice along with concepts of management and supervision are emphasized. Preparation for employment is introduced by evaluating job opportunities, compiling a resume, and outlining information essential to finding, applying for and terminating a job in the healthcare industry. A study of common health problems and etiologies seen in nursing home residents, including safe administration of medications, selected acute illnesses, and typical health emergencies. In addition, a review of documentation requirements, health protection guidelines, and health promotion activities in long-term facilities are presented. Appropriate teaching of related diagnostic results in the elderly
are summarized. The leadership/management role in the nursing home setting is outlined including the delegation of tasks to support staff. The course focuses on issues such as the relationship of management and quality improvement for care of the elderly in long-term facilities. In addition, the organization and structure of the nursing home and the function of various departments are included. The Louisiana Department of Health and Hospitals and the survey process is integrated throughout the course. Common legal and ethical issues encountered in long-term care facilities are discussed. Utilizing a nursing process approach, the student will perform applicable practical nursing clinical skills to clients in geriatric care facilities under the supervision and at the discretion of practical nursing faculty. Critical thinking skills are encouraged while the student makes interdependent practical nursing decisions. Students will perform in management and leadership roles in the facility and will administer medications to groups of residents comparable to industry’s entry-level expectations of a beginning practitioner. This course includes a 30-hr clinical component.

**HPER 101 - Aerobic Dance**

Total Credits = Cr. 1  
/ Laboratory = Lab 2

Skills, techniques, and knowledge of beginning aerobic dance.

**HPER 103 - Archery**

Total Credits = Cr. 1  
/ Laboratory = Lab 2

Skills, techniques, and knowledge of beginning archery.

**HPER 105 - Badminton**

Total Credits = Cr. 1  
/ Laboratory = Lab 2

Skills, techniques, and knowledge of beginning badminton.

**HPER 107 - Basketball**

Total Credits = Cr. 1  
/ Laboratory = Lab 2

Skills, techniques, and knowledge of beginning basketball.
HPER 109 - Bowling

Total Credits = Cr. 1
/ Laboratory = Lab 2

Skills, techniques, and knowledge of beginning bowling.

HPER 111 - Bicycling

Total Credits = Cr. 1
/ Laboratory = Lab 2

Skills, techniques, and knowledge of beginning bicycling.

HPER 113 - Aerobic Conditioning

Total Credits = Cr. 1
/ Laboratory = Lab 2

Improving cardio-respiratory endurance, flexibility, body composition, muscular strength and endurance through calisthenics, walking, and jogging.

HPER 115 - Dance

Total Credits = Cr. 1
/ Laboratory = Lab 2

Skills, techniques, and knowledge of beginning dance.

HPER 117 - Racquetball

Total Credits = Cr. 1
/ Laboratory = Lab 2

Skills, techniques, and knowledge of beginning racquetball.

HPER 119 - Beginning Scuba Diving
Skills, techniques, and knowledge of beginning scuba diving.

**HPER 125 - Tennis**

Skills, techniques, and knowledge of beginning tennis.

**HPER 127 - Volleyball**

Skills, techniques, and knowledge of beginning volleyball.

**HPER 129 - Weight Training**

Skills, techniques, and knowledge of beginning weight training.

**HSCI 101 - First Aid & CPR/AED**

A comprehensive first aid course with CPR and AED (Automated External Defibrillator) designed for health care providers. The course is a traditional lecture with hands-on practical experience. The CPR/AED portion will be video-based. Participants may receive certification through American Heart Association. Course also includes presentation of topics on blood borne pathogens, protective equipment, fire/chemical/radiation safety, and confidentiality issues.

**HSCI 102 - Community First Aid With CPR**
Basic first aid with CPR course.

**HSCI 103 - Personal & Community Health**

Total Credits = Cr. 3  
Lecture = Lec. 3  

This survey course covers topics related to health issues of the human body. Major topics covered include stress, sexuality, drugs and drug abuse, fitness, disease, physical limitations, health care, and environmental health.

**HSCI 104 - Basic Care Skills**

Total Credits = Cr. 1  
Lecture = Lec. 1 / Laboratory = Lab 1  

This course is an introduction to basic care principles and skills. The course includes lectures and skills lab in proper body mechanics, lifting, moving, positioning; measuring vital signs, height, weight, and performing various documentation procedures.

**HSCI 105 - Medical Ethics & Law**

Total Credits = Cr. 3  
Lecture = Lec. 3  

A course of study designed to introduce the student entering a health care career to medical ethical and legal issues, rights, and responsibilities. Ethical/legal topics include confidentiality, patient rights, liability, malpractice, legal proceedings, and medical ethical issues.

**HSCI 110 - Medical Terminology**

Total Credits = Cr. 3  
Lecture = Lec. 3  

In order to work effectively in the health care field, it is necessary to acquire an understanding of medical language. The purpose of this course is to assist the student in gaining an understanding of medical terminology to include building and analyzing medical terms. Emphasis is placed on disease, diagnostic and treatment procedures, medications and laboratory tests related to each body system. Case studies and medical reports will be utilized to prepare students to use medical terms in a realistic context.
HSCI 115 - Pharmacology For Health Careers

Total Credits = Cr. 3
Lecture = Lec. 3;

This course introduces students to basic pharmacological principles, therapeutics, classification, effects and basic mechanisms of drug action, in addition to illustrating the health care provider’s role in applying the knowledge of drugs to patient care.

Prerequisites: BIOL 110 or BIOL 221

HUMN 201 - Survey Of Humanities I

Total Credits = Cr. 3
Lecture = Lec. 3;

This is an interdisciplinary course including a survey of the arts, music, history, and literature of the Western world from the beginning of civilization to the Renaissance.

Prerequisites: ENGL 102 with a “C” or higher.

HUMN 202 - Survey Of Humanities II

Total Credits = Cr. 3
Lecture = Lec. 3;

This is an interdisciplinary survey course of the arts, music, history, and literature of the Western world from the Renaissance to the present.

Prerequisites: ENGL 102 with a “C” or higher.

HUMN 250 - Special Topics

Total Credits = Cr. 3
Lecture = Lec. 3;

This course combines the study of the visual and performing arts through lecture and field experiences. Students will meet two hours per week for lecture and field experiences. Students will meet two hours per week for lecture on the various art forms (music, visual art and architecture, theater, and dance). Students will also visit museums and cultural exhibits. Attendance of concerts, ballets, television tapings, and film and theatre events will also be required. This may include travel to cities of cultural importance and involve additional fees.
**Prerequisites:** ENGL 102 with a grade of “C” or higher.

**INCT 1100 - Installation & Troubleshooting, Part I**

**Total Credits = Cr: 3**  
Lecture = Lec: 1; Laboratory = Lab: 2;

A hands-on intensive study involving PC hardware and software that prepares students for an industry-based certification such as the A+ examination. PC hardware includes installation of motherboards, various drives, and adapter cards. Software includes installation of operating systems, various applications, and communication software and their proper configuration. Provides a systematic approach towards PC diagnostics and troubleshooting through the use of practical industry standards diagnostic software.

**INCT 1110 - Installation & Troubleshooting, Part II**

**Total Credits = Cr: 3**  
Lecture = Lec: 1; Laboratory = Lab: 2;

A hands-on advanced study involving PC hardware and software that prepares students for an industry-based certification such as the A+ examination. PC hardware includes installation of motherboards, various drives, and adapter cards. Software includes installation of operating systems, various applications, and communication software and their proper configuration. Provides a systematic approach towards PC diagnostics and troubleshooting through the use of practical industry standards diagnostic software.

**INCT 1120 - Installation & Troubleshooting Lab**

**Total Credits = Cr: 2**  
/ Laboratory = Lab: 2;

This course is an intensive, hands-on laboratory designed to provide students with additional experience in installing, configuring, troubleshooting & problem resolution of IBM compatibles and peripherals.

**INCT 1200 - Operating Systems**

**Total Credits = Cr: 4**  
Lecture = Lec: 2; Laboratory = Lab: 2;

A hands-on study of operating systems which prepares students for an industry-based certification such as the MCP examination.
The course includes the installation and administration of a network operating system as well as troubleshooting and optimizing techniques.

**INCT 1250 - Project Management**

**Total Credits = Cr: 3**  
Lecture = Lec: 1; / Laboratory = Lab: 2;

Provides the foundation for understanding the broad concepts of successful planning, organization, and implementation within the realm of software development, enhancement, and reconfiguration. Uses real-world examples and identifies common mistakes and pitfalls. Topics covered include project management software, estimating, budgeting, scheduling, tracking, and controlling.

**INCT 1300 - Internet Applications**

**Total Credits = Cr: 3**  
Lecture = Lec: 1; / Laboratory = Lab: 2;

A comprehensive study of Internet concepts, terminology, connection practices, researching on, designing for and publishing on the Internet, as well as a brief study of the programming basics behind the creation of Web Pages using HTML and Dynamic HTML.

**INCT 1320 - Introduction To Database Development**

**Total Credits = Cr: 3**  
Lecture = Lec: 1; / Laboratory = Lab: 2;

The student will develop an understanding of database systems and database structure. The Structured Query Language (SQL) will be used to manipulate database records. A report generator will be used to produce reports.

**INCT 1330 - Introduction To Networking**

**Total Credits = Cr:3**  
Lecture = Lec: 2; / Laboratory = Lab: 1;

Introduction to Networking is a foundation networking course that will cover the following topics: media and topologies, protocols and standards, network implementation, and network support. The course maps to CompTIA’s Network+ certification exam.
INCT 1800 - Introduction To Unix/linux

Total Credits = Cr: 3
Lecture = Lec: 1; / Laboratory = Lab: 2;

A hands-on study of the Unix or Linux operating system which includes installation of the operating system, administration and configuration of the system, and troubleshooting techniques involved in maintaining the system.

INCT 2010 - Introduction To Client/Server Networking

Total Credits = Cr: 4
Lecture = Lec: 2; / Laboratory = Lab: 2;

This course is designed to provide students with the knowledge and skills that are required to manage accounts and resources, maintain server resources, monitor server performance, and safeguard data in a Microsoft Windows Server™ 2003 environment. This course provides the skills and knowledge to prepare for Microsoft Certified Professional Exam 70-290.

INCT 2040 - Designing Security For A Client/Server Network

Total Credits = Cr: 4
Lecture = Lec: 2; / Laboratory = Lab: 2;

This course is designed to provide students with the knowledge and skills to design a secure network infrastructure. Topics include assembling the design team, modeling threats, and analyzing security risks in order to meet business requirements for securing computers in a networked environment. This course provides the skills and knowledge to prepare for Microsoft Certified Professional Exam 70-298.

INCT 2110 - Networking Technologies

Total Credits = Cr: 4
Lecture = Lec: 2; / Laboratory = Lab: 2;

A hands-on study of networking technologies, which includes the planning, implementation, and administration of networks. The course also includes troubleshooting and security related issues.

INCT 2120 - Introduction To Basic Routers

Total Credits = Cr: 4
Lecture = Lec: 2; / Laboratory = Lab: 2;
This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction includes, but is not limited to, a review of the Open System Interconnection (OSI) Reference Model, a study of the OSI layer functions, local area network (LAN) switching, Ethernet and virtual LANS (VLANs), LAN design, interior gateway routing protocol (IGRP), access control lists (ACLs), Novell Internet Packet Exchange (IPX), and network management. Particular emphasis is given to students being able to demonstrate the ability to apply learnings from Semesters 1 and 2 to a network and to be able to explain how and why a particular strategy is employed. In addition, the student will learn appropriate methodologies for managing networks, with emphasis placed on clear and adequate documentation of the Network.

### INCT 2130 - Intermediate Routing And Switching

**Total Credits = Cr: 4**
Lecture = Lec: 2 / Laboratory = Lab: 2

This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction includes, but is not limited to, a review of the Open System Interconnection (OSI) Reference Model, a study of the OSI layer functions, local area network (LAN) switching, Ethernet and virtual LANS (VLANs), LAN design, interior gateway routing protocol (IGRP), access control lists (ACLs), Novell Internet Packet Exchange (IPX), and network management. Particular emphasis is given to understanding the nature of and component of networks that make up LANs, WANs and the Internet. Students will become familiar with the use of command protocols that are used when configuring networks and will learn how to troubleshoot a 5-router topology.

### INCT 2140 - Wide Area Network Protocols

**Total Credits = Cr: 4**
Lecture = Lec: 2 / Laboratory = Lab: 2

This course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. A task analysis of current industry standards and occupational analysis was used to develop the content. Instruction includes, but is not limited to, a review of the Open System Interconnection (OSI) Reference Model, a study of the OSI layer functions, local area network (LAN) switching, Ethernet and virtual LANS (VLANs), LAN design, interior gateway routing protocol (IGRP), access control lists (ACLs), Novell Internet Packet Exchange (IPX), and network management. Particular emphasis is given to students being able to demonstrate the ability to apply learnings from Semesters 1 and 2 to a network and to be able to explain how and why a particular strategy is employed. In addition, the student will learn appropriate methodologies for managing networks, with emphasis placed on clear and adequate documentation of the Network.

### INCT 2545 - Network Security: Ethical Hacking

**Total Credits = Cr: 3**
Lecture = Lec: 2; / Laboratory = Lab: 1;
This class will immerse the student into an interactive environment where they will be shown how to scan, test and secure their own systems. The lab intensive environment gives each student in-depth knowledge and practical experience with the current essential security systems. Students will begin by understanding how perimeter defenses work and then be lead into scanning and attacking their own networks, no real network is harmed. Students then learn how intruders escalate privileges and what steps can be taken to secure a system.

**INCT 2820 - Server Technology**

**Total Credits = Cr: 3**  
**Lecture = Lec: 1; / Laboratory = Lab: 2;**

The Server Hardware Specialist is expected to have an in-depth understanding of the planning, installing, configuring, and maintaining servers, including knowledge of server-level hardware implementations, data storage subsystems, data recovery, and I/O subsystems. This specialist should know the interrelationships of all parts of the server system and understand the ramifications of their actions. This course provides the skills and knowledge to prepare the students for Server+ CompTIA certification.

**INCT 2830 - Cabling Infrastructure**

**Total Credits = Cr: 3**  
**Lecture = Lec: 1; / Laboratory = Lab: 2;**

This course is designed for students interested in the physical aspects of voice and data network cabling and installation. The course focuses on cabling issues related to data and voice connections and provides an understanding of the industry and its worldwide standards, types of media and cabling, physical and logical networks, as well as signal transmission. Students will develop skills in reading network design documentation, part list set up and purchase, pulling and mounting cable, cable management, choosing wiring closets and patch panel installation and termination as well as installing jacks and cable testing. This hands-on, lab-oriented course stresses documentation, design, and installation issues, as well as laboratory safety, on-the-job safety, and working effectively in group environments. This course will help prepare students for the BICSI Registered Certified Installer, Level 1.

**INCT 2840 - Managing Network Security**

**Total Credits = Cr: 3**  
**Lecture = Lec: 1; / Laboratory = Lab: 2;**

This course is intended to serve the needs of individuals interested in understanding the field of network security and how the field relates to other areas of information technology. Individuals will study, design, configure, and implement solutions that will reduce the risk of revenue lost and vulnerability.

**INCT 2850 - Emerging Technologies**
The goal of this course is to teach students the newest technological advances using hands-on demonstrations and lecture.

**INCT 2855 - Firewall Technology**

Total Credits = Cr: 7  
Lecture = Lec: 1; / Laboratory = Lab: 6;  

Provides students with an understanding of firewalls and how the devices relate to other areas of information technology. Individuals will study, configure, and implement solutions using firewalls.

**INCT 2860 - Wireless Technologies**

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;  

This course will focus on the design, planning, implementation, operation, and troubleshooting of wireless networks. It will provide an overview of technologies, security and design best practices with particular emphasis on hands-on skills in wireless LAN setup and troubleshooting, site surveys, resilient WLAN design, installation, and configuration.

**INCT 2890 - Entrepreneurial Venture**

Total Credits = Cr: 3  
Lecture = Lec: 3;  

Students enrolled in this course will explore the concepts of business planning, entrepreneurship and develop a business plan. They will explore whether their business concept meets their personal vision and goals; learn strategies to successfully market their business; understand how to price their new product or service; and learn how to develop sound financial statements and access capital. Students will apply the knowledge they learn to develop a business plan as they progress through the course.

**INCT 2991 - Special Projects, I**

Total Credits = Cr: 1  
/ Laboratory = Lab: 1;  

A course designed for the student who has demonstrated specific special needs.
INCT 2993 - Special Projects, II

Total Credits = Cr: 2
/ Laboratory = Lab: 2;

A course designed for the student who has demonstrated specific special needs.

INCT 2995 - Special Projects, III

Total Credits = Cr: 3
/ Laboratory = Lab: 3;

A course designed for the student who has demonstrated specific special needs.

INCT 2996 - Special Projects, IV

Total Credits = Cr: 3
Lecture = Lec: 3;

A course designed for the student who has demonstrated specific special needs.

INCT 2997 - Practicum

Total Credits = Cr: 3
/ Laboratory = Lab: 3;

A course designed for the student who has demonstrated specific special needs.

INCT 2999 - Cooperative Education

Total Credits = Cr: 3
/ Laboratory = Lab: 3;

Cooperative Education provides supervised on-the-job work experience related to the student’s educational objectives. Students participating in Cooperative Education receive compensation for their work.

ISYS 1440 - Word Processing
Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab: 2;

This course provides hands-on experience of word processing techniques and functions with emphasis on features and commands using a current version of word processing software.

Prerequisites: CPTR 1002 AND KYBD 1111

ISYS 1650 - Desktop Publishing

Total Credits = Cr: 3  
Lecture = Lec: 2; / Laboratory = Lab: 1;

This course includes basic concepts in creating documents containing graphics and text. Current version of popular word processing/graphics software is incorporated.

Prerequisites: ISYS 1550 or discretion of instructor (**ISYS 1550 IS NOT LISTED IN THE NEW BOT CURRICULUM; IT HAS BEEN INCORPORATED INTO THE NEW CLOCK HOURS OF ISYS 1440)

JJSP 101 - Introduction To Juvenile Justice

Total Credits = Cr. 3  
Lecture = Lec. 3

Introduction to the historical and contemporary aspects of juvenile corrections in Louisiana. Explores the evolution of juvenile corrections from punishment based in the early 1900’s to the rehabilitative in the latter part of the century to the treatment models of the 21st century reform movement. Provides an overview of vision, mission and guiding principles of OJJ, the agency, its programs and developmental processes of LAMOD and Service Coordination in Louisiana. Introduces court process and procedures in Louisiana facing youth from arrest to final disposition, including OJJ’s role during the process. Introduces primary federal and state statutes as they affect and apply to juvenile offenders with an emphasis on the 6 constitutional amendments. Includes discussion of actual court cases and scenarios pertaining to the constitutional

JJSP 102 - Basic Fundamentals Of Technical Reporting

Total Credits = Cr. 3  
Lecture = Lec. 3;

Information and practice on writing of a variety of reports with emphasis on reports required in juvenile justice programs. Emphasizes detail, factual content, objective presentation, and a defined purpose of specific readers.

JJSP 103 - Social Ethics In Criminal Justice
Total Credits = Cr. 3  
Lecture = Lec.3;

Introduction of ethical issues surrounding the work of individuals with youth exhibiting high risk behaviors. Includes guidance with regard to Maslow’s Levels of Human Needs and the relationship between unmet needs and behaviors. Provides guidance, relative human dignity and appropriate boundaries which must be established and supported in the day-to-day work with troubled youth.

JJSP 104 - Basic Fundamentals Of Maladaptive Behavior

Total Credits = Cr. 3  
Lecture = Lec.3;

Strategies for working with youth presenting maladaptive behavior. Provides a basic introduction for understanding the nature of adolescent social behavior, diagnosis, and classification of mental disorders. Introduces a number of disorders and treatment options at a basic level to include anxiety, mood, schizophrenia, personality, sexual and gender, substance-related, and psychophysiological.

JJSP 105 - Crisis Intervention

Total Credits = Cr. 3  
Lecture = Lec.3;

Provides an overview of the techniques and approaches to crisis intervention for entry-level juvenile justice professionals. Includes initial intervention, de-escalation and assessment, resolution and/or referral with emphasis upon safety. Includes personal effectiveness, therapeutic prevention and intervention, recognition of threat levels, voluntary compliance, verbal and non-verbal communications, active and passive listening, and medication.

JJSP 106 - Basic Fundamentals Of Youth, Drugs And Juvenile Programs

Total Credits = Cr. 3  
Lecture = Lec.3;

Introduction of current trends, programs and approaches to youthful addiction, treatment options, assessment processes, and related behavioral issues for youthful offenders specifically housed in secure-care settings and in supervision.

JJSP 107 - Basic Fundamentals Of Working With Mentally Ill Youth

Total Credits = Cr. 1
Supervision and care of youthful offenders in confinement. Builds awareness of the dynamics, basic behaviors, and interpersonal interactions often found among youthful offenders exhibiting the following serious mental disorders: anxiety, mood, personality, psychotic (schizophrenia), and mental disabilities.

**JJSP 108 - Cooperative Work Experience**

**Total Credits = Cr. 3**  
**Lecture = Lec.3;**

Places students in an unpaid, internship work experience in a setting within the Office of Juvenile Justice or one of the related field settings.

**JOBS 2450 - Job Seeking Skills**

**Total Credits = Cr: 2**  
**Lecture = Lec: 2; / Laboratory = Lab: 0;**

This course is required of all Technical Diploma and Associate Degree students and should be taken during their last semester of enrollment prior to completion of diploma/degree requirements. This course assists students in making immediate and future decisions concerning job choices and educational growth by compiling résumés, evaluating job offers, and outlining information essential to finding, applying for, and terminating a job. It also includes personal/career assessments including foundational Work Keys assessments, application for the Louisiana Work Ready! (National Career Ready) Certificate. Students will complete foundational Work Keys assessments and apply for the Louisiana Work Ready! (National Career Ready) Certificate. The completion of a student career presentation portfolio to minimum specifications will be a requirement for course completion.

**Prerequisites:** None

**KYBD 1010 - Basic Keyboarding**

**Total Credits = Cr: 3**  
**Lecture = Lec: 3**

This course is an introduction to basic keyboarding terminology and touch typing. Emphasis is placed on speed, accuracy, and correct techniques.

**KYBD 1111 - Introduction To Formatting**

**Total Credits = Cr: 3**
This course covers continued development and application of introductory to intermediate keyboarding techniques combined with basic word processing techniques and functions. Emphasis is also placed on an increase in speed, accuracy, and correct keyboarding techniques.

**Prerequisites:** CPTR 1002 AND KYBD 1010

**MACH 1350 - Machine Transcription**

**Total Credits = Cr: 3**
Lecture = Lec: 3;

This course includes hands-on applications of machine transcription equipment, as well as production of documents (mailable copy) from various fields of employment. Emphasis is on English language skills: punctuation, spelling, grammar, and vocabulary.

**Prerequisites:** ENGL 1030, ISYS 1450 or KYBD 1110 (**ENGL 1030 IS NOW BUSE 1030, ISYS 1450 IS NOW ISYS 1440, KYBD 1110 IS NOW KYBD 1111**)

**MATH 95 - Fundamentals Of Mathematics**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

This developmental gateway math is a college based course designed to quickly enable the student to progress to the next math level which can ultimately funnel entry into college based algebra. It is taught at college level because of its intensity and skill level required for quick progress towards preparedness. It is not designed as an elementary level math, nor is it taught at a lower level. This course re-enforces the skills needed to build a strong mathematical foundation for further study by reviewing applications for signed numbers, decimals, fractions, ratios and proportions, percentages, geometric formulas, order of operations; and algebraic axioms, identities, laws in solving equations, graphing linear functions, and statistics. Completers of this course should be able to perform basic statistical information from a dataset, solve equations, and graph linear functions.

**Prerequisites:** Placement based on placement survey or ACT score.

**MATH 99 - Elementary Algebra**

**Total Credits = Cr. 4**
Lecture = Lec. 4;

This developmental gateway math is a college based course designed to quickly enable the student to progress to the next math level which is college based algebra. It is taught at college level because of its intensity and skill level required for quick progress towards preparedness. It is not designed as a elementary level math, nor is it taught at a lower level. This course includes a review of fundamentals, graphs and functions, solving linear equations and inequalities, polynomials, factoring polynomials, simplifying
rational and radical expressions, solving equations with rational expressions and radicals, solving quadratic equations, graphing quadratic equations, and solving application problems.

**MATH 105 - College Algebra (Expanded)**

*Total Credits = Cr. 5*
*Lecture = Lec. 5;*

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

**Prerequisites:** Placement based on placement survey of ACT score.

**MATH 110 - College Algebra**

*Total Credits = Cr. 3*
*Lecture = Lec. 3;*

Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

**Prerequisites:** Placement based on placement survey of ACT score.

**MATH 111 - Plane Trigonometry**

*Total Credits = Cr. 3*
*Lecture = Lec. 3;*

Trigonometric functions and identities, inverse trigonometric functions, graphs, solving triangles and equations, complex numbers and polar coordinates.

**Prerequisites:** TH 110 with “C” or higher.

**MATH 114 - Business Mathematics**

*Total Credits = Cr. 3*
*Lecture = Lec. 3;*

The course is designed to introduce the student to business applications of mathematics such as discounting, percentage, prorating, appreciation/ depreciation, inventory, inventory, commissions, markup, and payroll.
Prerequisites: TH 110 with “C” or higher.

**MATH 115 - Plane Geometry**

Total Credits = Cr.3  
Lecture = Lec. 3;  

A course in Euclidean geometry.  

**Prerequisites:** MATH 105/MATH 110 with “C” or higher.

**MATH 116 - Math For Health Professionals**

Total Credits = Cr. 3  
Lecture = Lec. 3;  

This course provides an overview of mathematic operations necessary for the calculation of oral and parental drug dosages. Emphasis is placed on numerical and measurement systems, decimals, fractions, ratio and proportions, percentages conversions, and calculations of medication dosages.  

**Prerequisites or Corequisites:** Eligibility to enroll in MATH 105/MATH 110 or higher.

**MATH 117 - A Survey Of Mathematics**

Total Credits = Cr. 3  
Lecture = Lec. 3;  

Course covers topics from critical thinking skills, logic, the real number system, geometry and measurement, consumer mathematics, counting principles, probability, and statistics (including the normal curve).  

**Prerequisites:** Grade of “C” or higher in MATH 105 or MATH 110

**MATH 120 - Precalculus**

Total Credits = Cr. 5  
Lecture = Lec. 5;  

Serves as a replacement for MATH 105 or MATH 110 and MATH 111 as a preparation for calculus. Offered to students who demonstrate a high proficiency on the appropriate math placement test. Topics from advanced algebra and trigonometry to
include: real number properties, solutions of equations and inequalities, relations, functions, graphs, polynomial and rational functions, exponential and logarithmic functions, complex numbers, systems of equations, theory of equations, circular functions and analytic geometry.

**Prerequisites or Corequisites:** A grade of “C” or higher in MATH 105 or MATH 110 or a Math Enhanced ACT score of at least 22, or by permission of the department head.

**MATH 201 - Business Calculus**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3;**

The course will focus on limits, continuity and differential and integral calculus for algebraic, logarithmic, and exponential functions together with applications in business and economics, such as optimization, marginal analysis and exponential growth models.

**Prerequisites:** TH 110 with “C” or higher.

**MATH 203 - Elementary Number Structure**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3;**

Emphasis of the course is elementary number theory, operations, algorithms, and problem solving.

**Prerequisites:** A grade of “C” or higher in MATH 105 or MATH 110.

**MATH 204 - Conceptual Geometry**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3;**

Emphasis of the course is topics in formal and informal geometry.

**Prerequisites:** A grade of “C” or higher in MATH 203.

**MATH 210 - Introduction To Statistics**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3;**
This course is designed to introduce students to the fundamentals of descriptive and inferential statistics with a pronounced emphasis on inference. The major topics include methods for analyzing sets of data, probability, probability distributions, estimation, confidence intervals, hypotheses testing, simple linear regression, correlation and non-parametric statistics.

**Prerequisites:** TH 110 with “C” or higher.

**MATH 212 - Quantitative Analysis & Quality Control**

**Total Credits = Cr. 3**  
**Lecture = Lec. 3;**

The course will focus on the application of statistical principles such as descriptive statistics, probability, sampling distributions, confidence intervals, inference and correlations to a business environment. The course will utilize software packages to analyze practical quality control issues in a business environment.

**Prerequisites:** MATH 210 (formerly MATH 112) with “C” or higher.

**MATH 220 - Calculus I**

**Total Credits = Cr. 5**  
**Lecture = Lec. 5;**

This is the first course of a three course sequence. The concept of a limit is introduced, and it is used to develop the concepts of continuity and the derivative. These are studied numerically, graphically, and analytically for a wide variety of elementary, and transcendental functions. Applications of the derivative relating to curve sketching, related rates, and optimization are developed. Definite and indefinite integrals, the Fundamental Theorem of Calculus, and applications of the integral are also introduced.

**Prerequisites or Corequisites:** Successful completion of MATH 105/MATH 110 and MATH 111 or MATH 120, or by permission of department head.

**MATH 221 - Calculus II**

**Total Credits = Cr. 5**  
**Lecture = Lec. 5;**

This is the second course of a three course sequence. The course continues with additional applications of the integral relating to volume, work, arc length, and surface area. Additional techniques of integration for a wide variety of functions are also developed. Other topics include: parametric equations, polar coordinates, infinite sequences and series, Taylor Polynomials, and vectors.

**Prerequisites:** A grade of “C” or higher in MATH 220.
MATH 298 - Special Topics In Mathematics

Total Credits = Cr. 3  
Lecture = Lec. 3;

Topic to be determined by instructor and student. Credit for MATH 298 will be given only once.

MATH 1015 - College Algebra

Total Credits = Cr: 3  
Lecture = Lec: 3;

Linear and quadratic equations and inequalities, radical and rational equations, complex numbers, graphing, functions, exponential and logarithmic functions, polynomial equations, systems of linear equations and inequalities.

Prerequisites: Math score of at least 21 on the Enhanced ACT, successful completion of Developmental Math, or permission of the campus CAO

MGMT 211 - Supervision & Team Building

Total Credits = Cr. 3  
Lecture = Lec. 3;

A study of the job of first-line supervisors in their efforts to direct effectively the activities of subordinates. Emphasis will be given to the effectiveness of human relations in communications and leadership partners. Special emphasis will be given to the team building concept as it relates to the workplace.

MILS 101 - Introduction To Military Science Leadership

Total Credits = Cr. 1  
Lecture = Lec. 0;

Introduces you to the personal challenges and competencies that are critical for effective leadership in a contemporary environment. You will learn how the personal development of life skills such as goal setting, time management, physical fitness, and stress management relate to leadership, officer-ship, and Army profession.

MILS 102 - Introduction To Military Science Leadership

Total Credits = Cr. 1
Lecture = Lec. 0;

Each laboratory (lab) is designed to lead peers, develop confidence, awareness, initiative, accountability and the ability to analyze and solve problems while applying the designed skills. Labs are designed to be taken in conjunction with MILS 101. Labs are designed to be hands-on, experiential learning sessions which develop total awareness of what it means to be an U.S. Army Officer.

**MSCM 101 - Intro To Mass Communications**

*Total Credits = Cr. 3*

Lecture = Lec. 3;

This course introduces students to a survey of print, electronic and technological media that constitutes American mass communication. The history, issues, structures and practices of modern media are examined to determine the effect and role they have played in society. Students will examine and review newspapers, television, Internet, books, movies and other aspects of the mass media.

**MSCM 102 - Writing In The Media**

*Total Credits = Cr. 3*

Lecture = Lec. 3;

This course introduces students to a survey of media writing including broadcast, print, advertisements and public relations. This course emphasizes the importance of writing and the need for accuracy in media writing. Students will examine and review the variety of styles in media writing, as well as write several pieces for publication.

**MSCM 201 - Intro To Public Relations**

*Total Credits = Cr. 3*

Lecture = Lec. 3;

This course introduces students to the role and origin of public relations in the United States. The course examines the history, law and ethics of public relations and how it applies to modern society. A review of public relations campaigns, applications and principles shows the development of public relations in America.

**MUSC 101 - Music Appreciation**

*Total Credits = Cr. 3*

Lecture = Lec. 3;
This course is designed to foster an understanding of music through the study of selected examples of musical works. Emphasis is placed upon the analysis of compositions in conjunction with references to cultural and historical developments.

**MUSC 102 - Choir**

**Total Credits = Cr. 1**  
Lecture = Lec. 1;  
A diverse variety of choir repertoire will be rehearsed and performed each term. Instruction will also include coaching toward proper ensemble/individual performance techniques, sight-reading, and rhythmic reading skills. (May be repeated for a maximum of three credit hours) (Audition required)

**NURS 112 - Basics In Nursing**

**Total Credits = Cr. 5**  
Lecture = Lec. 3(3 hr/wk); / Laboratory = Lab 2(6 hr/wk);  
An introduction to the basic standards, concepts, and processes required for quality and safety in nursing. The classroom, laboratory, and clinical practice components provide opportunities for development of the basic knowledge, skills and attitude necessary for competence and accountability in the delivery of healthcare at the beginning level. The course presents the nature of nursing, nursing process, safety, illness, communication, teaching/learning, hygiene, comfort and pain, mobility and activity, rest and sleep, health assessment, oral and topical medication administration and drug calculation, oxygenation, nutrition, urinary elimination, sexuality, spirituality, and loss and grief.  
**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program.  
**Corequisites:** NURS 115, BIOL 222/BIOL 224, ENGL 102

**NURS 115 - Pharmacology For Nursing**

**Total Credits = Cr. 3**  
Lecture = Lec. 3; / Laboratory = Lab 0;  
An introduction to the basic standards, concepts, and processes required for quality and safety in pharmacological nursing. The didactic course provides for development of comprehension in principal actions, therapeutic uses, adverse effects, and legal and ethical implications of pharmacology in nursing at the beginning level.  
**Prerequisites:** BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program.  
**Corequisites:** NURS 112, BIOL 222/BIOL 224, ENGL 102.
NURS 122 - Nursing Of The Adult I

Total Credits = Cr. 8
Lecture = Lec. 4(4 hr/wk); / Laboratory = Lab 4(12 hr/wk);

The processes in quality and safe nursing care of adults with common health disorders are emphasized in both theory and clinical practice. Opportunities are provided for the development of the knowledge, skills and attitudes necessary for competence and accountability in the delivery of healthcare at the beginning level adult nursing. The course presents nursing care of: perioperative; fluid/electrolyte and acid-base balance; pain management; sensory-perception; integument and burns; respiratory; cardiovascular; and gastrointestinal disorders.

Prerequisites: BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, ENGL 102, NURS 112, NURS 115.
Corequisites: MATH 210, boil 210/211.

NURS 132 - LPN To RN Transition

Total Credits = Cr. 6
Lecture = Lec. 5; / Laboratory = Lab 1(3 hr/wk);

An introduction to basic standards, concepts, and processes required for quality and safety as they pertain to associate degree registered nursing, pharmacology and nursing of common health disorders in adults. Theory is provided for comprehension in principal actions, therapeutic uses, adverse effects, and legal and ethical implications of pharmacology. Didactic, laboratory and clinical opportunities are provided for development of the basic knowledge, skills, and attitudes necessary for competence and accountability in the delivery of healthcare and adult nursing at the beginning level.

Prerequisites: CINS 101 or Computer Literacy Exam, ACSE 100, BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201.

NURS 219 - Parent-Child Nursing

Total Credits = Cr. 8
Lecture = Lec. 4(4 hr/wk); / Laboratory = Lab 4(12 hr/wk);

The processes in quality and safe family-centered nursing care before, during, and after birth, and in alterations in newborn, child and adolescent’s health are emphasized in both theory and clinical practice. Opportunities are provided for development of the knowledge, skills and attitudes necessary for competence and accountability in the delivery of healthcare in familycentered nursing.

Prerequisites: BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/ Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, BIOL 210/BIOL 211, MATH 210.
Corequisites: NURS 221, humanities elective.
NURS 221 - Mental Health Nursing

Total Credits = Cr. 4  
Lecture = Lec. 2(2 hr/wk); / Laboratory = Lab 2(6 hr/wk);

The process in quality and safe nursing care of adolescents and adults with alterations in mental health are emphasized in both theory and clinical practice. Opportunities are provided for development of the knowledge, skills and attitudes necessary for competence and accountability in understanding human behaviors, necessary adaptations, and the delivery of therapeutic communication skills.

Prerequisites: BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, BIOL 210/BIOL 211, MATH 210.
Corequisites: NURS 219, humanities elective.

NURS 232 - Nursing Of The Adult II

Total Credits = Cr. 9  
Lecture = Lec. 4(4 hr/wk); / Laboratory = Lab 5(15 hr/wk);

The processes in quality and safe nursing care of adults with complex health disorders are emphasized in both theory and clinical practice. Opportunities are provided for development of the knowledge, skills and attitudes necessary for competence and accountability in the delivery of healthcare at the advanced level of medical/surgical nursing. The course presents nursing care of immunologic/hematologic; oncology; neurologic; musculoskeletal; endocrine; renal; reproductive disorders and emergencies and disasters.

Prerequisites: BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, MATH 210, NURS 122, NURS 219, NURS 221, humanities elective.
Corequisites: Fine arts elective, NURS 233.

NURS 233 - Trends, Issues, And Management

Total Credits = Cr. 1  
Lecture = Lec. 1(1 hr/wk); / Laboratory = Lab 0;

Economic and political aspects of standards, concepts, and processes required for quality and safety in professional nursing. The didactic course provides opportunity for gaining competence and accountability in development of the knowledge, skills, and attitudes necessary for career opportunities in quality improvement, leadership and management roles, and professional growth in nursing.

Prerequisites: BIOL 221/BIOL 223, ENGL 101, MATH 105 or MATH 110, PSYC 201, CINS 101 or Computer Literacy Exam, ACSE 100, CPR/Healthcare Provider course from American Heart Association with card showing expiration date, admission to the nursing program, BIOL 222/BIOL 224, ENGL 102, NURS 112 or NURS 132, NURS 115, MATH 210, NURS 122, NURS
219, NURS 221, humanities elective.
Corequisites: Fine arts elective, NURS 232.

**ORNT 1000 - Freshman Seminar**

Total Credits = Cr. 1
Lecture = Lec. 1;

This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. It is recommended that this course be scheduled during the first semester of enrollment. An overview of college policies, procedures, and resources as well as study skills and time management strategies will introduce the student to the college experience. Also included is an introduction to electronic learning and the use of online resources. Career development activities include career research, and beginning the planning and development of an individual student career portfolio to be completed in JOBS 2450 class.

**OSYS 1100 - Records Management**

Total Credits = Cr: 3
Lecture = Lec: 3;

This course includes basic records management terminology, procedures, classification systems, electronic and manual storage, retrieval, and disposal, compliance with freedom of information laws and Privacy Act.

**OSYS 1250 - Business Calculators**

Total Credits = Cr: 3
Lecture = Lec: 3;

This course covers principles and techniques used to solve business problems on the electronic calculator.

**OSYS 2530 - Office Procedures**

Total Credits = Cr: 3
Lecture = Lec: 3;

This course focuses on understanding the role of the office professional in today’s changing office environment. Students learn effective office, human relations, communication, decision-making, and critical thinking skills by completing assignments and live projects. Specific items covered in this course include interpersonal communications, professional presence and success behaviors, stress and time management, work ethics and diversity, current technology, telecommunications, mail and records management, business correspondence, teamwork, meetings and presentations, travel and conference arrangements, and career
development.

Prerequisites: ENGL 1030, ISYS 1450

PHIL 201 - Introduction To Philosophy

Total Credits = Cr. 3
Lecture = Lec. 3;

An introduction to philosophical ideas, problems and methods through a study of important philosophers and the major systems of philosophy. Topics to be covered may include appearance and reality, human nature, nature of knowledge, relation of mind with body, the right and the good, the existence of God, and freedom and determinism.

PHSC 100 - Physical Science I

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is a presentation of an integrated approach to essential concepts in physics such as motion, gravity, heat, electricity, magnetism, sound and light and to emphasize the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

Prerequisites: Eligibility to enroll in MATH 99 or higher level math

PHSC 110 - Physical Science I Lab

Total Credits = Cr. 1
/ Laboratory = Lab 3;

This laboratory is designed to accompany and enhance the lecture course Physical Science I (PHSC 100). Activities and exercises will address concepts presented in PHSC 100 in addition to emphasizing the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

Prerequisites or Corequisites: Concurrent enrollment in or successful completion of PHSC 100 with a grade of “C” or higher

PHSC 120 - Physical Science II

Total Credits = Cr.3
Lecture = Lec.3;
This course introduces the student to the following concepts of basic chemistry: atoms and their structure, atomic models, atomic nucleus and electron configuration, mixture, bonding, acids and bases, and oxidation and reduction.

**Prerequisites:** Eligibility for MATH 99 or higher level math

**PHSC 130 - Physical Science II Lab**

Total Credits = Cr 1  
Laboratory = Lab 3;

Laboratory designed to accompany PHSC 120, Physical Science II. Activities and exercises will address concepts presented in PHSC 120 in addition to emphasizing the personal application of science, the process skills, problem solving, and discovery/inquiry learning.

**Prerequisites or Corequisites:** Concurrent enrollment in or successful completion of PHSC 120 with a grade of “C” or higher

**PHSC 1015 - Physical Science I**

Total Credits = Cr: 3  
Lecture = Lec: 3;

Introductory study of topics in physical science including motion, energy, temperature, light and sound, electricity, and atomic structure.

**PHYS 110 - Foundations Of Astronomy**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course presents an integrated approach to basic astronomy and astronomical concepts. Basic science skills such as the scientific method are highlighted through astronomy. Astronomic concepts will include the following topics: light and properties of light, lenses, astrophotography, and formation of the universe, galaxies, solar systems, and planets. Practical observational techniques of space objects are performed through use of telescopes. Sunspot activity is monitored via the Internet and through observations of the sun with the appropriate equipment.

**Prerequisites:** Eligibility to enroll in MATH 99 or higher level math.

**PHYS 210 - General Physics I**

Total Credits = Cr. 3
Lecture = Lec. 3;

This first semester of a two-semester sequence is an overview of basic concepts and principles of mechanics, heat, and sound. This course is intended for science majors.

Prerequisites: Successful completion of MATH 111, Plane Trigonometry, with a grade of “C” or higher; Corequisites: Concurrent enrollment in PHYS 211, General Physics I Laboratory

PHYS 211 - General Physics I Lab

Total Credits = Cr. 1
Laboratory = Lab 3;

Laboratory designed to accompany PHYS 210, General Physics I; Laboratory activities are used to enhance the content and learning outcomes established for PHYS 210 for mechanics, heat, and sound.

Prerequisites or Corequisites: Concurrent enrollment in or successful completion of PHYS 210 with a grade of “C” or better

PHYS 220 - General Physics II

Total Credits = Cr. 3
Lecture = Lec. 3;

This second semester of a two-semester sequence is an overview of basic concepts and principles of optics, electricity, magnetism, and other topics of modern physics. This course is intended for science majors.

Prerequisites: Successful completion of PHYS 210 & PHYS 211 with a grade of “C” or higher; Corequisites: Concurrent enrollment in PHYS 221, General Physics II Laboratory

PHYS 221 - General Physics II Lab

Total Credits = Cr. 1
Laboratory = Lab 3;

Laboratory designed to accompany PHYS 220, General Physics II; Laboratory activities are used to enhance the content and learning outcomes established for PHYS 220 related to optics, electricity, magnetism, and other topics of modern physics.

Prerequisites or Corequisites: Concurrent enrollment in or successful completion of PHYS 220, General Physics II, with a grade of “C” or higher

POLI 110 - American Government
Total Credits = Cr. 3  
Lecture = Lec. 3;

The principles, institutions, processes and functions of government. Emphasis is on the national government, the development of our constitutional system and the role of the citizen in the democratic process.

PSYC 201 - Introduction To Psychology

Total Credits = Cr. 3  
Lecture = Lec. 3;

A broad overview of the field of psychology, designed to expose students to major theories, research methods and applied areas of psychology.

PSYC 210 - Educational Psychology

Total Credits = Cr. 3  
Lecture = Lec. 3;

A survey of principles of psychology applied to problems of education and learning environments.

Prerequisites: PSYC 201 with a “C” or higher.

PSYC 225 - Child Psychology

Total Credits = Cr. 3  
Lecture = Lec. 3;

Physical, intellectual, social and emotional factors in child growth and development.

Prerequisites: PSYC 201.

PSYC 226 - Developmental Psychology

Total Credits = Cr. 3  
Lecture = Lec. 3;

Physical, psychological, and social aspects of the individual from conception to death. Cultural, social, and hereditary factors that affect the individual’s behavior throughout the life cycle.
**Prerequisites:** PSYC 201 with a “C” or higher.

### PSYC 227 - Adolescent Psychology

Total Credits = Cr. 3  
Lecture = Lec. 3;

A study of the physical and mental growth of youth during the period of adolescence and the transition from childhood to adulthood.

**Prerequisites:** PSYC 201 with a “C” or higher.

### PSYC 228 - Psychology Practicum

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course places students on clinical training in approved mental health agencies, community agencies, hospitals, or institutions. Students will work under an agency supervisor. However, the approval of the agency setting and job responsibilities will rest with the course professor.

**Prerequisites:** A minimum of 9 hrs in psychology.

### PSYC 229 - Industrial Psychology

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course introduces students to psychological research and theories pertaining to human behavior in the work setting. Topics covered include selection, performance appraisal, training, leadership, motivation, job satisfaction, and organizational design.

### PSYC 2015 - Introduction To Psychology

Total Credits = Cr. 3  
Lecture = Lec. 3;

An overview of psychology designed to expose students to the major theories, research practices, and applied areas of psychology.
PTEC 101 - Intro To Process Technology

Total Credits = Cr. 3
Lecture = Lec. 3;

This course introduces students to the field of process operations within the process industry. It reviews the roles and responsibilities of process technicians, the environment in which they work, and the equipment and systems which they operate.

Prerequisites: Must be eligible for MATH 99 and ENGL 99.

PTEC 131 - Process Instrumentation

Total Credits = Cr. 3
Lecture = Lec. 2, / Laboratory = lab 2;

This course involves the study of the instruments and instrument systems used in the chemical processing industry including terminology, primary variables, symbology, control loops, and basic troubleshooting.

Prerequisites: Must be eligible for MATH 99 and ENGL 99.

PTEC 132 - Process Instrumentation II

Total Credits = Cr. 3
Lecture = Lecture 2, / Laboratory = Lab 2;

Continues Instrumentation I using actual demonstration units. Introduces switches, relays, annunciator system, signal conversion, transmission, controllers, control schemes, advance control schemes, digital control, programmable logic controls, distribution control systems, instrumentation malfunctions.

Prerequisites: Successful completion of PTEC 101 and PTEC 131 with a grade of “C” or higher.

PTEC 161 - Equipment

Total Credits = Cr. 3
Lecture = Lec. 2; / Laboratory = Lab 2;

This course introduces equipment used in the process industry. It also studies many process industry-related equipment concepts including purpose, components, and operation.

Prerequisites: Successful completion of PTEC 101 and PTEC 131 with a grade of “C” or higher.
PTEC 203 - Safety Health And Environment

Total Credits = Cr. 3
Lecture = Lec. 3;

Introduces various types of plant hazards, safety, and environmental systems and equipment, and regulations under which industry is governed.

Prerequisites: Must be eligible for MATH 99 or higher level Math.

PTEC 207 - Quality

Total Credits = Cr. 3
Lecture = Lec. 3;

This course introduces students to industry and laboratory related quality concepts including operating consistency, continuous improvement, economics, team skills, root cause analysis/scientific reasoning, precision and accuracy of measuring system and statistical process control.

Prerequisites: Must be eligible for MATH 99 or higher level Math.

PTEC 242 - Systems

Total Credits = Cr. 4
Lecture = Lec. 3; / Laboratory = Lab 2;

Studies the interrelation of process equipment and process systems by arranging process equipment into basic systems; by describing the purpose and the function of specific process systems; by explaining how factors affecting process systems are controlled under normal conditions; and recognizing abnormal process conditions. Introduces the concept of system and plant economics.

Prerequisites: Successful completion of PTEC 132 and PTEC 161 with a grade of “C” or higher.

PTEC 243 - Operations/Capstone

Total Credits = Cr. 4
Lecture = Lec. 3; / Laboratory = Lab 2;

Teaches the operation of an entire unit within the process industry using existing knowledge of equipment, systems, and instrumentations. Studies concepts related to commissioning, normal startup, normal operations, normal shutdown, turnarounds, and abnormal situations, as well as the process technician’s role in performing the tasks associated with these concepts within an operating unit. Project required.
**Prerequisites:** Successful completion of PTEC 132 and PTEC 161 with a grade of “C” or higher.

**PTEC 244 - Troubleshooting**

**Total Credits = Cr. 3**  
Lecture = Lec. 2; / Laboratory = Lab 2;

This course applies a six-step troubleshooting method for solving and correcting operation problems. There is a focus on malfunctions as opposed to process design or configuration improvements. This course uses data from the instrumentation to determine the cause for the abnormal conditions in an organized and regimented way.

**Prerequisites:** Successful completion of PTEC 132 and PTEC 161 with a grade of “C” or higher.

**PTEC 263 - Fluid Mechanics**

**Total Credits = Cr. 3**  
Lecture = Lec. 2; / Laboratory = Lab 2;

This course addresses fluids, fluid types, chemical and physical natures and factors affecting fluids while in motion. Reviews basic calculations relative to flow and volume. Discusses other topics such as laminar/turbulent flow, viscosity, and Reynolds Number.

**Prerequisites:** PTEC 161 with a grade of “C” or higher.

**PTEC 291 - Process Tech Internship**

**Total Credits = Cr. 3**  
Lecture = Lec. 1; / Laboratory = Lab 9;

Students qualifying for an external internship must work a minimum of 140 supervised hours in a local industrial facility. Students who are unable to obtain an external internship will be required to take an internal internship consisting of 140 hours of departmentally approved team activities utilizing the PTEC laboratories and simulation programs. Drug screen required.

**READ 95 - Reading I**

**Total Credits = Cr.3**  
Lecture = Lec.3;
The emphasis of this course is on development of the following skills: study skills, vocabulary, comprehension, oral and written English.

**READ 99 - Reading II**

Total Credits = Cr.3  
Lecture = Lec.3;

Intense instruction in comprehension, vocabulary, word recognition, structural analysis, phonetic analysis, perceptual accuracy, visual efficiency and reading.

**SCIE 101 - Introductory Earth Science I**

Total Credits = Cr.3  
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science with an emphasis on the following: geology with an introduction to oceanography, meteorology, and astronomy. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. Field trips may be arranged, but not required.

Prerequisites: None;  
Corequisites: None

**SCIE 102 - Introductory Earth Science II**

Total Credits = Cr.3  
Lecture = Lec.3;

This survey course will present an integrated approach to general earth science. Basic science skills, such as the scientific method, will be highlighted through earth science concepts. General Earth Science 102 will include the following disciplines: geology, oceanography, meteorology, and astronomy with emphasis on oceanography, meteorology, and astronomy. Field trips may be arranged, but not required.

Prerequisites: None- Students may enroll in SCIE 102 without having taken SCIE 101;  
Corequisites: None

**SCIE 114 - Environmental Science & Lab**

Total Credits = Cr 3  
Lecture = Lec. 3;
Study of the interactions of human activity with the environment and the future impact of these actions. Ecological, impact, sustainable management and risk analysis will be integrated throughout the course.

**Prerequisites:** Completion of MATH 110 with a grade of “C” or higher.

### SCIE 124 - Environmental Science Lab

**Total Credits = Cr 1**  
Lecture = Lab. 3;

The goal of this course is to present active laboratory exercises to complement the lecture course Environmental Science (SCIE 114). Activities will address concepts presented in SCIE 114 in addition to emphasizing the personal application of science, process skills, problem solving and discovery/inquiry learning.

**Prerequisites:** Completion of MATH 110 with a grade of “C” or higher.  
**Corequisites:** SCIE 114.

### SCIE 201 - Dendrology & Lab

**Total Credits = Cr. 4**  
Lecture = Lec. 3; / Laboratory = Lab 3;

Classification, identification, and seasonal and life cycles (including dendrochronology) of woody plants. Primary emphasis will be on the plants of the Southern Region of the US; those of commercial, horticultural and cultural value as well as understory vegetation.

**Prerequisites:** BIOL 101 with a grade of “C” or higher.

### SCIE 202 - Soils & Lab

**Total Credits = Cr. 4**  
Lecture = Lec. 3; / Laboratory = Lab 3;

Classification, identification and genesis of major soil groups. Basic physical, chemical and hydrological properties of the groups will also be studied.

**Prerequisites:** MATH 110 and GEOL 101 with a “C” or higher.

### SOCL 110 - Introduction To Aging
An analysis of aging as a social process in modern mass society. Areas included are the theories on the process of aging; the social problems of being old, e.g., economics, crime, victimization, medical care, and housing; and the experience of death and dying.

SOCL 201 - Introduction To Sociology

As an introduction to the discipline of sociology, this course surveys and provides students with an understanding of human society and social life. It introduces students to the major subject areas of sociology, including the major theoretical perspectives and theorists; logic and techniques of research; social organization, institutions, and inequality and social change.

SOCL 202 - Contemporary Social Problems

A description and sociological analysis of major contemporary social problems in American society. The focus is on both the individual and societal levels (on both social action and social structure) and on the reciprocal relationship between them.

Prerequisites: SOCL 201 with “C” or higher.

SPAN 101 - Elementary Spanish I

An introduction to Spanish language and culture. The course explores the basic grammatical structures of the Spanish language. Throughout the semester, students will develop writing, reading and speaking skills. Emphasis will be placed on communicative skills.

SPAN 102 - Elementary Spanish II
A continuation of SPAN 101. The course will extend students’ elementary knowledge of the basic grammatical structures of the Spanish language. Throughout the semester, students will continue to develop reading, writing and speaking skills. Emphasis will be placed on communication skills.

**Prerequisites:** SPAN 101 with “C” or higher

**SPAN 201 - Intermediate Spanish I**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

This course is designed to build upon and extend students’ elementary knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** SPAN 102 with “C” or higher

**SPAN 202 - Intermediate Spanish II**

**Total Credits = Cr. 3**
Lecture = Lec. 3;

This course is designed to build upon and extend students’ intermediate knowledge of the Spanish culture and language with increasing emphasis on these four skills: speaking, listening, reading and writing. The classroom is a social and cultural setting of communication where the foreign language is used as a transmitter of meaningful messages.

**Prerequisites:** SPAN 201 with “C” or higher

**SPCH 1015 - Introduction To Public Speaking**

**Total Credits = Cr: 3**
Lecture = Lec: 3;

Designed to teach students basic public presentation principles and skills. Students complete one speech each of personal introduction, information, persuasion, demonstration, and special occasion (influential person).

**SPCM 110 - Fundamentals Of Speech**

**Total Credits = Cr. 3**
This course develops an awareness of the history and traditions of speech communication worthy of academic study. The course is a summary of this academic and professional field and is comprised of the component parts of organizational and business communication, mass communication, small group and interpersonal communication, as well as public speaking.

**SPCM 120 - Intro To Public Speaking**

Total Credits = Cr. 3  
Lecture = Lec. 3;

Designed to teach students basic public presentation principles and skills. Students complete a speech of introduction, an informative speech, a demonstration speech, a persuasive speech and a special occasion speech. The ethics of public speaking are also considered.

**SPCM 130 - Interpersonal Communication**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This speech and personal communication course is designed for students who are interested in improving their personal knowledge and practice of the principles that govern their interpersonal (usually one-to-one) and intrapersonal (within oneself) communication behavior on a daily basis. This course applies to personal, social and professional context interactions and relationships that often govern their success personally, professionally and in everyday social activities.

**TEAC 201 - Teaching And Learning In Diverse Settings I**

Total Credits = Cr. 3  
Lecture = Lec. 3;

This course focuses on the diverse needs of students and the role of educators in recognizing and addressing learners’ needs. Two primary topics will be addressed within the course: Diverse Ways of Knowing and Learning, and, Professional Issues of Diversity in Education. The course will involve a combination of lecture, group learning, reflection and site based experiences within schools.

**TEAC 203 - Teaching And Learning In Diverse Settings II**

Total Credits = Cr. 3  
Lecture = Lec. 3;
This course focuses on the diverse needs of students and the role of educators in recognizing and addressing learners’ needs. Two primary topics will be addressed within the course: Diverse Ways of Knowing and Learning, and, Professional Issues of Diversity in Education. The course will involve a combination of lecture, group learning, reflection and site based experiences within schools.

THEA 105 - Theatre Production Laboratory

Total Credits = Cr. 1
/ Laboratory = Lab 3;

This course provides practical hands-on experience to prepare for and carry out production of all Delta theatre related presentations. This production course may involve the production and maintenance of one or more necessary theatre skills such as lighting, sound, set, visual effects, make-up and more. This course is designed to support all Delta Fine Arts activities. Permission of instructor required.(May be repeated for a maximum of three credit hours)

Prerequisites: THEA 190

THEA 190 - Theatre Appreciation

Total Credits = Cr. 3
Lecture = Lec. 3;

This course seeks to improve both the appreciation for and understanding of theatre art that includes the structure, focus and purpose of dramatic literature, its presentation (acting), and directing/managing, as well as physical designing (scenery, lighting, costumes, make-up) and related theatrical elements. This course, where possible, includes attendance at local theatrical presentations.

THEA 221 - Beginning Acting

Total Credits = Cr. 3
Lecture = Lec. 3;

This course is an introduction to the art and craft of acting. Emphasis is upon the physical, vocal and analytical skills of acting, as well as fundamentals of memorization, relaxation, concentration, physical presentation, vocal control, memorization and script interpretation through exercises and scene study.

Prerequisites: THEA 190, SPCM 120, or permission of instructor.

WELD 1110 - Occupational Orientation & Safety
An introduction to the occupation of welding including facility layout, policies, safety and health procedures, information and practice concerning basic safety, safe operation of hand and power tools, materials handling and maintenance of a safe working environment. Students are also introduced to safe welding practices, communication skills, and essential workplace skills.

Prerequisites: Complete all appropriate entrance placement tests and campus registration requirements. Unless OSHA approved safety training documentation can be produced, credit should “NOT” be granted for this course.

WELD 1120 - Basic Blueprint, Metallurgy & Welding Symbols

Total Credits = Cr: 3
Lecture = Lec: 2; / Laboratory = Lab: 1;

This course provides instruction and review of basic construction mathematics, weld symbol interpretation, reading welding detail drawings, basic metallurgy, metal identification, and heat treatment of metals.

Prerequisites: WELD 1110 plus meets minimum approved Math entrance score, and consent of the Instructor/Advisor.

WELD 1121 - Advanced Blueprint Reading

Total Credits = Cr: 4
Lecture = Lec: 2; / Laboratory = Lab: 2;

Instruction in this course includes a review of basic blueprint reading and an introduction to advanced blueprint layout, concepts, nomenclature, mark-up, and sketching specifications. Advanced disciplines covered may include Architectural, Civil, Electronics, Manufacturing, and Marine, Piping, Structural, ISO (International Standards Organization) or other industry specific disciplines.

Prerequisites: WELD 1110, WELD 1120 plus meets minimum approved Math entrance score, and consent of the Instructor/Advisor.

WELD 1130 - Welding Inspection & Testing

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to codes, standards, and agencies regulating the welding industry, a review of weld quality standards, concepts in proper visual and destructive testing methods, and a study of proper base metal preparation and joint fit-up.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.
WELD 1140 - Electrical Fundamentals

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to welding equipment fundamentals of operation, polarity, equipment types, safety and systems setup; including welding related equipment connection and a review of tools used in welding procedures.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1210 - Oxyfuel Systems

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of cutting with an Oxyfuel (OFC) apparatus, cylinder and equipment safety, proper handling and setup including practice cutting mild steel using both the manual and machine process.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1310 - Cutting Processes - CAC/PAC

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of safely operating Air Carbon Arc Cutting (CAC-A) and Plasma Arc Cutting (PAC) equipment including practice cutting and gouging ferrous and non-ferrous metals.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1410 - SMAW - Basic Beads

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

An introduction to the principals of Shielded Metal Arc Welding (SMAW), component and consumable identification including the safe setup of equipment and practice of welding stinger beads, weave beads, and overlapping beads in various positions using various electrodes.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.
WELD 1411 - SMAW - Fillet Weld

Total Credits = Cr: 3
Lecture = Lec: 0 / Laboratory = Lab: 3

Safely setup and operate Shielded Metal Arc Welding (SMAW) equipment with practice of single and multi-pass fillet welds in the flat, horizontal, vertical, and overhead positions using various electrodes.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1412 - SMAW - V-Groove Bu/Gouge

Total Credits = Cr: 3
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Shielded Metal Arc Welding (SMAW) equipment with practice of V-Groove welds with a backing or back gouging in the flat, horizontal, vertical, and overhead positions using various electrodes.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1420 - SMAW - V-Groove Open

Total Credits = Cr: 4
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the safe setup of equipment and principals of Shielded Metal Arc Welding (SMAW) for open V-Groove welds, joint preparation, proper weld quality, qualification testing, and practice welding open V-Groove welds in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 1510 - SMAW - Pipe 2G

Total Credits = Cr: 4
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the safe setup of equipment and principals of Shielded Metal Arc Welding of Pipe (SMAW-Pipe) in the 2G vertical fixed position, joint preparation, proper weld quality, qualification testing, and practice welding Shielded Metal Arc Welding of Pipe (SMAW-Pipe) in the 2G vertical fixed position.
**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1511 - SMAW - Pipe 5G**

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup equipment and apply principals of Shielded Metal Arc Welding of Pipe (SMAW-Pipe) in the 5G horizontal fixed position, review joint preparation, review proper weld quality and qualification testing, and practice welding Shielded Metal Arc Welding of Pipe (SMAW-Pipe) in the 5G horizontal fixed position.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1512 - SMAW - Pipe 6G**

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup equipment and apply principals of Shielded Metal Arc Welding of Pipe (SMAW-Pipe) in the 6G - 45° fixed position, review joint preparation, review proper weld quality and qualification testing, and practice welding Shielded Metal Arc Welding of Pipe (SMAW-Pipe) in the 6G - 45° fixed position.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 1610 - SMAW Stainless Steel (SMAW-SS) Multi-joint**

Total Credits = Cr: 4  
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Shielded Metal Arc Welding Stainless Steel (SMAW-SS), component and consumable identification including the safe setup of equipment and practice of groove welds in the flat, vertical, horizontal, and overhead positions using stainless steel consumables.

**Prerequisites:** WELD 1110, WELD 1420 or WELD 2885 and the consent of the Instructor/Advisor

**WELD 1620 - SMAW Stainless Steel (SMAW-SS) 5G Pipe**

Total Credits = Cr: 4  
Lecture = Lec: 1; / Laboratory = Lab: 3;
An introduction to the safe setup of equipment and principals of Shielded Metal Arc Welding of Stainless Steel Pipe (SMAW-SS Pipe) in the 5G horizontal fixed position, joint preparation, proper weld quality, qualification testing, and practice welding Shielded Metal Arc Welding of Stainless Steel Pipe (SMAW-SS Pipe) in the 5G horizontal fixed position.

**Prerequisites:** WELD 1110, WELD 1610, WELD 1510, WELD 1511, WELD 1512, or WELD 2885 and the consent of the Instructor/Advisor.

### WELD 1621 - SMAW Stainless Steel (SMAW-SS) 2G Pipe

**Total Credits = Cr: 4**  
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup equipment and apply principals of Shielded Metal Arc Welding of Stainless Steel Pipe (SMAW-SS Pipe) in the 2G vertical fixed position, review joint preparation, review proper weld quality and qualification testing, and practice welding Shielded Metal Arc Welding of Stainless Steel Pipe (SMAW-SS Pipe) in the 2G vertical fixed position.

**Prerequisites:** WELD 1110, WELD 1610, WELD 1510, WELD 1511, WELD 1512 or WELD 2885 and the consent of the Instructor/Advisor.

### WELD 1622 - Smaw Stainless Steel (SMAW-SS) 6G Pipe

**Total Credits = Cr: 4**  
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup equipment and apply principals of Shielded Metal Arc Welding of Stainless Steel Pipe (SMAW-SS Pipe) in the 6G - 45° fixed position, review joint preparation, review proper weld quality and qualification testing, and practice welding Shielded Metal Arc Welding of Stainless Steel Pipe (SMAWSS Pipe) in the 6G - 45° fixed position.

**Prerequisites:** WELD 1110, WELD 1610, WELD 1510, WELD 1511, WELD 1512 or WELD 2885 and the consent of the Instructor/Advisor.

### WELD 2110 - FCAW - Basic Fillet Welds

**Total Credits = Cr: 3**  
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Flux Core Arc Welding (FCAW), component and consumable identification including the safe setup of equipment and practice of fillet welds in the flat, vertical, horizontal, and overhead positions.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.
WELD 2111 - FCAW - Groove Welds

Total Credits = Cr: 3  
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Flux Core Arc Welding (FCAW) equipment with practice of V-Groove welds with a backing or back gouging in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2112 - FCAW - Pipe 5G

Total Credits = Cr: 4  
Lecture = Lec: 1; / Laboratory = Lab: 3;

Safely setup and operate Flux Core Arc Welding pipe (FCAW-Pipe) equipment, proper assembly of a 5G - horizontal fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 5G pipe joint.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2113 - FCAW - Pipe 2G

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Flux Core Arc Welding pipe (FCAW-Pipe) equipment, proper assembly of a 2G – vertical fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 2G pipe joint.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2114 - FCAW - Pipe 6G

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Flux Core Arc Welding pipe (FCAW-Pipe) equipment, proper assembly of a 6G(R) - 45° fixed position pipe joint with/without a restriction ring, proper weld quality, safe setup of equipment and practice welding a 6G(R) pipe joint.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.
**WELD 2210 - GTAW - Multi-joint**

**Total Credits = Cr: 3**
**Lecture = Lec: 1; / Laboratory = Lab: 2;**

An introduction to the principals of Gas Tungsten Arc Welding (GTAW), component and consumable identification including the safe setup of equipment and practice of welding beads (fillet welds), and groove welds in the flat, vertical, horizontal, and overhead positions using carbon steel consumables.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2220 - GTAW - Pipe 5G**

**Total Credits = Cr: 4**
**Lecture = Lec: 1; / Laboratory = Lab: 3;**

An introduction to the principals of Gas Tungsten Arc Welding of Pipe (GTAW-Pipe) in the 5G horizontal fixed position, proper assembly of a 5G pipe joint, proper weld quality, safe setup of equipment and practice welding a 5G horizontal fixed position pipe joint.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2221 - GTAW - Pipe 2G**

**Total Credits = Cr: 4**
**Lecture = Lec: 0; / Laboratory = Lab: 4;**

Safely setup and operate Gas Tungsten Arc Welding Pipe (GTAW-Pipe) equipment, proper assembly of a 2G vertical fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 2G vertical fixed position pipe joint.

**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.

**WELD 2222 - GTAW - Pipe 6G**

**Total Credits = Cr: 4**
**Lecture = Lec: 0; / Laboratory = Lab: 4;**


**Prerequisites:** WELD 1110 and the consent of the Instructor/Advisor.
WELD 2230 - GTAW - Aluminum Multi-joint

Total Credits = Cr: 3
Lecture = Lec: 1; / Laboratory = Lab: 2;

An introduction to the principals of Gas Tungsten Arc Welding Aluminum (GTAW-A), component and consumable identification including the safe setup of equipment and practice of welding fillet and groove welds in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2240 - GTAW Low Alloy (GTAW-LA) 5G Pipe

Total Credits = Cr: 4
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Gas Tungsten Arc Welding of Low Alloy Pipe (GTAW- Low Alloy Pipe) in the 5G horizontal fixed position, proper assembly of a 5G pipe joint, proper weld quality, protecting the root, safe setup of equipment and practice welding a 5G horizontal fixed position pipe joint.

Prerequisites: WELD 1110, WELD 2220, WELD 2221, WELD 2222 or WELD 2885 and the consent of the Instructor/Advisor.

WELD 2241 - GTAW Low Alloy (GTAW-LA) 2G Pipe

Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Gas Tungsten Arc Welding Low Alloy pipe (GTAWLow Alloy Pipe) equipment, proper assembly of a 2G vertical fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 2G vertical fixed position pipe joint.

Prerequisites: WELD 1110, WELD 2240 or WELD 2885 and the consent of the Instructor/Advisor.

WELD 2242 - GTAW Low Alloy (GTAW-LA) 6G Pipe

Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4

Prerequisites: WELD 1110, WELD 2240 or WELD 2885 and the consent of the Instructor/Advisor.

WELD 2250 - GTAW Stainless Steel (GTAW-SS) 5G Pipe

Total Credits = Cr: 4
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Gas Tungsten Arc Welding of Stainless Steel Pipe (GTAW- Stainless Steel Pipe) in the 5G horizontal fixed position, proper assembly of a 5G pipe joint, proper weld quality, protecting the root, safe setup of equipment and practice welding a 5G horizontal fixed position pipe joint.

Prerequisites or Corequisites: WELD 1110, WELD 2220, WELD 2221, WELD 2222 or WELD 2885 and the consent of the Instructor/Advisor.
Prerequisites: WELD 1110, WELD 2220, WELD 2221, WELD 2222 or WELD 2885 and the consent of the Instructor/Advisor.

WELD 2251 - GTAW Stainless Steel (GTAW-SS) 2G Pipe

Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Gas Tungsten Arc Welding Stainless Steel pipe (GTAW- Stainless Steel Pipe) equipment, proper assembly of a 2G vertical fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 2G vertical fixed position pipe joint.

Prerequisites: WELD 1110, WELD 2250 or WELD 2885 and the consent of the Instructor/ Advisor.

WELD 2252 - GTAW Stainless Steel (GTAW-SS) 6G Pipe

Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4;


Prerequisites: WELD 1110, WELD 2250 or WELD 2885 and the consent of the Instructor/Advisor.

WELD 2260 - GTAW Aluminum (GTAW-AL) 5G Pipe
Total Credits = Cr: 4  
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Gas Tungsten Arc Welding of Aluminum Pipe (GTAW- Aluminum Pipe) in the 5G horizontal fixed position, proper assembly of a 5G pipe joint, proper weld quality, protecting the root, safe setup of equipment and practice welding a 5G horizontal fixed position pipe joint.

Prerequisites: WELD 1110, WELD 2230, WELD 2220, WELD 2221, WELD 2222 or WELD 2885 WELD 2885 and the consent of the Instructor/Advisor.

WELD 2261 - GTAW Aluminum (GTAW-AL) 2G Pipe

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Gas Tungsten Arc Welding Aluminum pipe (GTAWAluminum Pipe) equipment, proper assembly of a 2G vertical fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 2G vertical fixed position pipe joint.

Prerequisites: WELD 1110, WELD 2260 or WELD 2885 and the consent of the Instructor/Advisor.

WELD 2262 - GTAW Aluminum (GTAW-AL) 6G Pipe

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;


Prerequisites: WELD 1110, WELD 2260 or WELD 2885 and the consent of the Instructor/Advisor.

WELD 2310 - GMAW - Basic Fillet Weld

Total Credits = Cr: 3  
Lecture = Lec: 1; / Laboratory = Lab 2;

An introduction to the principals of Gas Metal Arc Welding (GMAW), types of weld transfer, weld quality, and component and consumable identification including the safe setup of equipment and practice of welding fillet welds in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.
WELD 2311 - GMAW - Groove Weld

Total Credits = Cr: 3  
Lecture = Lec: 0; / Laboratory = Lab: 3;

Safely setup and operate Gas Metal Arc Welding (GMAW) equipment with practice of open V-Groove welds in the flat, horizontal, vertical, and overhead positions.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2320 - GMAW - Pipe 2G

Total Credits = Cr: 4  
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Gas Metal Arc Welding of Pipe (GMAWPipe) in the 2G vertical fixed position, proper assembly of a 2G pipe joint, proper weld quality, safe setup of equipment, and practice welding a 2G vertical fixed position pipe joint.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2321 - GMAW - Pipe 5G

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Gas Metal Arc Welding pipe (GMAW-Pipe) equipment, proper assembly of a 5G horizontal fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 5G horizontal fixed position pipe joint.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2322 - GMAW - Pipe 6G

Total Credits = Cr: 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;


Prerequisites: WELD 1110 and the consent of the Instructor/ Advisor.
WELD 2330 - GMAW - Aluminum Multi-joint

Total Credits = Cr: 4
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Gas Metal Arc Welding Aluminum (GMAW-A), component and consumable identification including the safe setup of equipment and practice of welding beads, fillet welds, and groove welds in the flat, vertical, horizontal, and overhead position.

Prerequisites: WELD 1110 and the consent of the Instructor/Advisor.

WELD 2340 - GMAW Aluminum (GMAW-AL) 5G Pipe

Total Credits = Cr: 4
Lecture = Lec: 1; / Laboratory = Lab: 3;

An introduction to the principals of Gas Metal Arc Welding of Aluminum Pipe (GMAW-Aluminum Pipe) in the 5G horizontal fixed position, proper assembly of a 5G pipe joint, proper weld quality, protecting the root, safe setup of equipment and practice welding a 5G horizontal fixed position pipe joint.

Prerequisites: WELD 1110, WELD 2330, WELD 2320, WELD 2321, WELD 2322 or WELD 2885 and the consent of the Instructor/Advisor.

WELD 2341 - GMAW Aluminum (GMAW-AL) 2G Pipe

Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Gas Metal Arc Welding Aluminum pipe (GMAW-Aluminum Pipe) equipment, proper assembly of a 2G vertical fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 2G vertical fixed position pipe joint.

Prerequisites: WELD 1110, WELD 2340 or WELD 2885 and the consent of the Instructor/Advisor.

WELD 2342 - GMAW Aluminum (GMAW-AL) 6G Pipe

Total Credits = Cr: 4
Lecture = Lec: 0; / Laboratory = Lab: 4;

Safely setup and operate Gas Metal Arc Welding Aluminum pipe (GMAW-Aluminum Pipe) equipment, proper assembly of a 6G
- 45° fixed position pipe joint, proper weld quality, safe setup of equipment and practice welding a 6G - 45° fixed position pipe joint.

**Prerequisites:** WELD 1110, WELD 2340 or WELD 2885 and the consent of the Instructor/Advisor.

### WELD 2410 - Automated Welding Processes

**Total Credits = Cr: 3**  
Lecture = Lec: 2; / Laboratory = Lab: 1;

An introduction to automated welding processes including a review of fundamental automated welding process knowledge, welding procedures, joint design, equipment set-up and operation. Process applications may include but are not limited to SAW (Submerged Arc Welding), FCAW (Flux-Core Arc Welding), GMAW (Gas Metal Arc Welding), and GTAW (Gas Tungsten Arc Welding).

**Prerequisites:** WELD 1110 and consent of the Instructor/Advisor.

### WELD 2420 - Construction Procedures I

**Total Credits = Cr: 2**  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in construction procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

### WELD 2421 - Construction Procedures II

**Total Credits = Cr: 2**  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in construction procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have
achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2422 - Construction Procedures III

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in construction procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2423 - Construction Procedures IV

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in construction procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2430 - Maintenance Procedures I

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in maintenance procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by
the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 2431 - Maintenance Procedures II**

**Total Credits = Cr: 2**
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in maintenance procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 2432 - Maintenance Procedures III**

**Total Credits = Cr: 2**
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in maintenance procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 2433 - Maintenance Procedures IV**

**Total Credits = Cr: 2**
This course is designed to introduce a student to advanced skills in maintenance procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 2440 - Manufacturing Procedures I**

**Total Credits = Cr: 2**
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in manufacturing procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 2441 - Manufacturing Procedures II**

**Total Credits = Cr: 2**
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in manufacturing procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)
WELD 2442 - Manufacturing Procedures III

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in manufacturing procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2443 - Manufacturing Procedures IV

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in manufacturing procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2450 - Marine Procedures I

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in marine procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)
Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2451 - Marine Procedures II

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in marine procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2452 - Marine Procedures III

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in marine procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2453 - Marine Procedures IV

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in marine procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)
Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2460 - Piping Procedures I

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in piping procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2461 - Piping Procedures II

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in piping procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2462 - Piping Procedures III

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;
This course is designed to introduce a student to advanced skills in piping procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 2463 - Piping Procedures IV**

**Total Credits = Cr: 2**
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in piping procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 2470 - Pressure Vessel Procedures I**

**Total Credits = Cr: 2**
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in pressure vessel procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 2471 - Pressure Vessel Procedures II**
WELD 2472 - Pressure Vessel Procedures III

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in pressure vessel procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2473 - Pressure Vessel Procedures IV

Total Credits = Cr: 2  
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in pressure vessel procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)
WELD 2480 - Shipbuilding Procedures I

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in shipbuilding procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2481 - Shipbuilding Procedures II

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in shipbuilding procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2482 - Shipbuilding Procedures III

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in shipbuilding procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the
WELD 2483 - Shipbuilding Procedures IV

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in shipbuilding procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2490 - Structural Procedures I

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to skills in structural procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

Prerequisites: Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

Corequisites: Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

WELD 2491 - Structural Procedures II

Total Credits = Cr: 2
Lecture = Lec: 1; / Laboratory = Lab: 1;

This course is designed to introduce a student to advanced skills in structural procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana
Technical College Campus.

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 2492 - Structural Procedures III**

*Total Credits = Cr: 2*
*Lecture = Lec: 1; / Laboratory = Lab: 1;*

This course is designed to introduce a student to advanced skills in structural procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 2493 - Structural Procedures IV**

*Total Credits = Cr: 2*
*Lecture = Lec: 1; / Laboratory = Lab: 1;*

This course is designed to introduce a student to advanced skills in structural procedures, related performance skills, and/or industry specific knowledge and safety awareness. Skills will be administered through cooperation with industry partners as indicated by the competency descriptions listed. (Additional description referencing industry to be completed by the Louisiana Technical College Campus.)

**Prerequisites:** Students may be required to pass an assessment of prior skills (WELD 2883 or WELD 2885) and/or have achieved an acceptable exit level certificate prior to enrollment and have the consent of instructor. (To be completed by the Louisiana Technical College Campus)

**Corequisites:** Depending on competency outcomes, students may be required to be enrolled in additional or simultaneous course content. (To be completed by the Louisiana Technical College Campus)

**WELD 2883 - Basic Skills Evaluation**

*Total Credits = Cr: 1*
*Lecture = Lec: 0; / Laboratory = Lab: 1;*
A course designed to assess a student’s life skills in welding and welding related performance and/or knowledge. Specific skills tested will be determined by the instructor and may include any combination of competency indicated in the welding program core curriculum. This assessment will be used to determine a student’s readiness to enter the program at a more advanced skill level.

**WELD 2885 - Advanced Skills Evaluation**

**Total Credits = Cr: 1**  
Lecture = Lec: 0; / Laboratory = Lab: 1;

A course designed to assess a student’s life skills in advanced welding and welding related performance and/or knowledge. Specific skills tested will be determined by the instructor and may include any combination of competency indicated throughout the welding program. This assessment will be used to determine a student’s readiness to enter the program at a more advanced skill level. Note: Documented industry based certifications obtained within the past “6” (six) months may be substituted for skills determination with the instructors consent. This course is “NOT” a substitute for taking or challenging a core and/or required electives course and “NO” credit will be given toward a credit course.

**Prerequisites:** Consent of instructor

**WELD 2893 - SMAW Certification Preparation**

**Total Credits = Cr: 3**  
Lecture = Lec: 0; / Laboratory = Lab: 3;

A review and practice of skills and procedures associated with advanced Shielded Metal Arc Welding (SMAW) to prepare for industry certification.

**Prerequisites:** Consent of the Instructor/Advisor.

**WELD 2895 - FCAW Certification Preparation**

**Total Credits = Cr: 3**  
Lecture = Lec: 0; / Laboratory = Lab: 3;

A review and practice of skills and procedures associated with advanced Shielded Metal Arc Welding (SMAW) to prepare for industry certification.

**Prerequisites:** Consent of the Instructor/Advisor.

**WELD 2897 - GTAW Certification Preparation**
WELD 2899 - GMAW Certification Preparation

Total Credits = Cr: 3
Lecture = Lec: 0; / Laboratory = Lab: 3;

A review and practice of skills and procedures associated with advanced Shielded Metal Arc Welding (SMAW) to prepare for industry certification.

Prerequisites: Consent of the Instructor/Advisor.

WELD 2990 - Special Projects VI

Total Credits = Cr: 6
Lecture = Lec: 0; / Laboratory = Lab: 6;

A course designed for the student who has demonstrated specific special needs.

Prerequisites: Consent of instructor

WELD 2991 - Special Projects I

Total Credits = Cr: 1
Lecture = Lec: 0; / Laboratory = Lab: 1;

A course designed for the student who has demonstrated specific special needs.

Prerequisites: Consent of instructor

WELD 2992 - Special Projects IV

Total Credits = Cr: 2
A course designed for the student who has demonstrated specific special needs.

**Prerequisites:** Consent of instructor

**WELD 2993 - Special Projects II**

**Total Credits = Cr:** 2  
Lecture = Lec: 0; / Laboratory = Lab: 2;  
A course designed for the student who has demonstrated specific special needs.  
**Prerequisites:** Consent of instructor

**WELD 2994 - Special Projects V**

**Total Credits = Cr:** 4  
Lecture = Lec: 0; / Laboratory = Lab: 4;  
A course designed for the student who has demonstrated specific special needs.  
**Prerequisites:** Consent of instructor

**WELD 2995 - Special Projects III**

**Total Credits = Cr:** 3  
Lecture = Lec: 0; / Laboratory = Lab: 3;  
A course designed for the student who has demonstrated specific special needs.  
**Prerequisites:** Consent of instructor

**WELD 2996 - Certification I**

**Total Credits = Cr:** 4  
Lecture = Lec: 2; / Laboratory = Lab: 2;  
A review of American Welding Society certification requirements, materials and mastered student skills, compare completed records; take an AWS closed book certification exam, and prepare workmanship qualification samples according to the AWS
QC10- Entry Level Welder standard.

**Prerequisites:** Complete Program Core and the consent of the Instructor/Advisor.

**WELD 2997 - Practicum**

Total Credits = Cr: 3  
Lecture = Lec: 0; / Laboratory = Lab: 3;

A Practicum provides supervised on-the-job work experience related to the student’s education objectives. Students participating in Practicum do not receive compensation.

**Prerequisites:** Consent of

**WELD 2999 - Cooperative Education**

Total Credits = Cr: 3  
Lecture = Lec: 0; / Laboratory = Lab: 3;

Cooperative Education provides supervised on-the-job work experience related to the student’s educational objectives. Students participating in Cooperative Education receive compensation for their work.

**Prerequisites:** Consent of instructor

**Glossary of Terms**

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |

**Academic Advisor**—An instructor in an academic program or a counselor who advise students concerning academic programs and class schedules.

**Academic Renewal**—Offers an opportunity for students who have a past history of less than satisfactory work to start college over with a new GPA.

**Academic Calendar**—The days of each semester set aside as class holidays, and days marking special events.

**Academic Year**—The period of time generally extending from August to May, usually equaling two semesters (fall and spring).

**Accreditation**—Institutional accreditation is a recognized approval given by one of the U.S. Department of Education’s recognized regional accreditors (i.e. Southern Association of Colleges and Schools).

**Adjunct Faculty**—The instructors serving in a temporary or part-time capacity to teach specific courses on a course by-course basis.

**Alumni**—Delta graduates.
Applicant–A student who has filed an application for entrance into the college or into a program but who has not yet registered.

Articulation–Agreement made with other colleges and universities to make the transfer of credits easier.

Arts and Humanities–Includes courses from art, literature, foreign languages, history, philosophy, and speech communications.

Auditing–Attending a course without receiving credit.

Behavioral/Social Sciences–Includes courses from anthropology, criminal justice, economics, education, geography, government, kinesiology, political science, psychology, social work and sociology.

Catalog–Contains information on such matters as admissions, registration, student organizations, programs offered, academic requirements, and courses of study.

Census Date–The 14th day of class in a fall or spring semester and the 7th day of class in a summer session are designated as the official census reporting date for Louisiana Institutions of Higher Education.

Closed Sections–A section of a class for which it is no longer possible to register. This section has no more space.

Concurrent Enrollment–When a college student is enrolled at two or more postsecondary institutions outside of a formal class enrollment agreement.

Continuing Education–The division of the college that offers courses that are not applicable toward a degree or certificate. Also called non-credit courses.

Corequisite–A course that must be taken at the same time or prior to another course.

Credit Hours–The amount of work a student completes is referred to as credit hours. Each completed course is worth an established number of credits. To receive a degree or certificate, a specified number of credits is required.

Cross Enrollment–When a college student is enrolled at two postsecondary institutions under a formal agreement that designates one institution as the home institution and the other as the host.

Credit by Examination–Available to students who feel they have sufficient knowledge of a particular course. Credit is awarded upon passing the examination.

Curriculum–Course requirements and electives for a Degree or Certificate Program.

Degree or Certificate Program–Any grouping of campus-approved courses which, when satisfactorily completed, will entitle a student to a degree or certificate.

Degree Designation–is the rank and title of the degree awarded by an institution of higher education to a student who has successfully completed a Degree Program.

Degree Subject Area–is the primary discipline which constitutes the focus of a Degree Program. When a student satisfactorily completes a Degree Program, he/she will be entitled to a degree in the appropriate subject area.

Degree Title–is the complete label of a Degree Program, (e.g. Associate of Arts in Liberal Arts).

Developmental Courses–Course which are designed to increase student knowledge to a level at which the student can continue with success in an academic program. Developmental courses do not apply toward the completion of a degree or certificate but are required for students who place into them.

Division–The separation of the College’s academic program. Delta currently has two academic divisions: Arts and Humanities and Natural Sciences.
Division Chair—Each academic division is headed by an administrator who is designated as a division chair. The division chairs provide educational and administrative leadership for the divisions.

Dual Enrollment—When a secondary student is also enrolled at a postsecondary institution.

Early Registration—Registration which occurs prior to open registration. Currently enrolled students are allowed to participate in early registration.

General Education Requirements—The group of courses, including English composition, mathematics, social sciences, arts and humanities, natural sciences, computer literacy, and oral communication, that must be completed in order to earn an associates degree or other approved credential.

Grade Point—Numerical values assigned to letter grades. Example: an A has a value of 4. The total grade points for receiving an A is determined by multiplying the grade points (4) times the number of credit hours earned in that course.

Grade-Point Average (GPA)—A system of measuring students’ average grades.

Graduation Audit—This is the process by which an academic advisor, Division Chair, and Registrar determine if a student who has applied for graduation has met the requirements of the student’s academic program as well as all other specified requirements.

Major—That part of a degree program which consists of a specialized group of courses in a particular discipline or field and which usually is consistent with the Dean Subject Area. A major usually consists of 25% or more of total hours in a curriculum. Major courses must be completed with a grade of ‘C’ or higher to fulfill graduation requirements.

Matriculation—Official enrollment of a student in a degree or certificate program.

Natural Sciences—Courses in biology, chemistry, earth science, geology, physical science and physics.

Non-Matriculating Student—A student who is attending college but is not working toward completion of a degree or certificate. Such students are usually not eligible for most forms of financial aid.

Overall Good Standing—The status of a student when he or she is in good academic standing, has no debts with the college, and has no discipline file in the Student Services Office.

Placement Testing—An examination process that determines a student’s entry-level into college courses.

Post-secondary Education Institution—An institution which has as one of its main missions the provision of a formal instructional program whose curriculum is designed primarily for students who are beyond high school age.

Prerequisite—A course which must be completed before enrolling in another course.

Probation—A warning signal which indicates poor academic performance.

Registration—The process of officially enrolling in and paying for specific courses in a given semester or session.

Sequence Number—The unique eight character identification code that is associated with each class (e.g. 30831101).

Scantron—A test sheet that is purchased from the bookstore and graded by computer.

Schedule of Classes—A publication which includes the semester calendar, times the courses will meet, room numbers, instructors, and other information for a particular enrollment period.

Suspension—A period of time in which a student is not permitted to attend college due to below satisfactory academic performance or for disciplinary reasons.
**Syllabus**—A sequential outline of topics to be covered by the instructor during a course. It should include the instructor’s grading policy, attendance regulations, course requirements, learning objectives, and instructor’s office hours.

**Transcript**—Official record of all academic work attempted by a student. It contains course numbers, titles of each course taken, the grades received, degrees/certificates received and academic status (probation/suspension).

**Common Course Numbering Changes**