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For more information on SOWELA Technical Community College, Please visit us online: http://www.sowela.edu
MESSAGE FROM THE CHANCELLOR

On behalf of the faculty and staff, I welcome you to SOWELA Technical Community College. We are very excited that you have chosen SOWELA to help achieve your higher education goals. As a comprehensive community college, we offer high quality technical programs that will prepare you for a career in two years or less and degree programs designed to help you transfer to four-year colleges and universities. SOWELA is entering a new era and many exciting changes are taking place on campus as well as the Southwest Louisiana region. The College is experiencing record breaking enrollment growth and is currently going through a campus revitalization program that includes the addition of new facilities and a reconfiguration of the existing campus layout. In order to meet the demands of record enrollment growth, SOWELA has begun to add many new buildings. The Phillips 66 Process Technology Building was opened in fall 2012, the Arts & Humanities building opened in the summer of 2013, the new Nursing and Allied Health Building opened in fall 2014, ground was broken on a new $20 million Regional Training Facility in fall 2014, a new Student Success Building will begin in 2015, and ground will be broken on a new campus in Jennings, Louisiana in 2015.

With the announcement of over $80 billion in industry expansion in the Lake Charles area, SOWELA is designing and implementing new programs and services to help provide the training needed to fill the thousands of jobs that will be created by these expansions. Many of these programs and services will be housed in a new regional training facility that was started in late 2014.

Our dedicated faculty and staff are student focused and pride themselves on providing the pedagogical expertise, personal assistance, and the student support services needed to ensure that you will achieve success in your chosen program of study. Whether you just graduated high school, have been out of school for many years, or are returning to update your skills to improve your current job situation, we have the educational program and/or degree that will help put you on the path to a rewarding career.

SOWELA is also a strong community partner that strives to help improve the economy of Southwest Louisiana by providing programs and services focused on strengthening the area workforce. SOWELA has established many partnerships with the businesses and industries in the region in order to help build a strong workforce and enhance the skills of the current workforce and prepare them to compete more successfully in the 21st century global economy.

Dr. Neil Aspinwall
Chancellor
ABOUT SOWELA

SOWELA Technical Community College (SOWELA) is a member of the Louisiana Community and Technical College System and under the governance of the Louisiana Board of Regents. The course offerings and requirements of SOWELA are continually under examination and revision. This catalog presents the offerings and requirements in effect at the time of publication but makes no guarantee that they will not be changed or revoked. However, adequate and reasonable notice will be given to students affected by any changes. This catalog is not intended to state contractual terms and does not constitute a contract between the student and SOWELA.

SOWELA reserves the right to make changes as required in course offerings, curricula, academic policies and other rules and regulations affecting students, to be effective whenever determined by the institution. These changes will govern current and formerly enrolled students. Enrollment of all students is subject to these conditions.

SOWELA provides the opportunity for students to increase their knowledge by providing programs of instruction in the various disciplines and programs through faculty who, in the opinion of the College, are qualified for teaching at the college level. The acquisition and retention of knowledge by any student is, however, contingent upon the student’s desire and ability to learn, and his or her application of appropriate study techniques to any course or program.

EEO/TITLE IX/SECTION 504/ADA

SOWELA does not discriminate on the basis of race, sex, color, religion, national origin, age or disability. This policy extends to employment by, admission to, or educational opportunities and benefits provided by the College. SOWELA is an affirmative action/equal opportunity college. It is committed to the education of a non-racially identifiable student body. Inquiries concerning EEO, Title IX, the Rehabilitation Act of 1973 and the American Disabilities Act of 1990 should be directed to the following individuals:

ADA Coordinator Questions: Ms. Christine Collins, Director of Student Support Services can be located in the Computer Technology Building-Student Success Center. Ms. Collins can be reached at (337) 421-6974 or via email at christine.collins@sowela.edu.

EEO/Title IX Questions: Dr. Fitzpatrick Anyanwu, Executive Director of Institutional Planning and Effectiveness can be located in the Administration Building. Dr. Anyanwu can be reached at (337) 421-6905 or fitzpatrick.anyanwu@sowela.edu.

For specific information related to disability services on SOWELA campus please feel free to contact the Office of Student Support Services at (337) 421-6974.

ACCREDITATION

SOWELA Technical Community College (SOWELA) is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award Associate Degrees, Diplomas, and Certificates. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, or call (404) 679-4500 for questions about the accreditation of SOWELA Technical Community College.

SOWELA is also accredited by the Commission of the Council on Occupational Education (COE) (a national accrediting agency that specializes in the accreditation of job training and workforce development institutions). This accreditation means that SOWELA is recognized as meeting standards of training acceptable for accreditation. The Council is the successor to the Commission on Occupational Education Institutions, founded in 1971 as a regional accrediting agency of the Southern Association of Colleges and Schools.

Dr. Gary Puckett, Executive Director/President
Council on Occupational Education
7840 Roswell Road, Building 300, Suite 325
Atlanta, GA 30350
Phone: (770) 396-3898
FAX: (770) 396-3790
Website: www.council.org

SOWELA also offers programs that are accredited by professional licensing bodies as well as industry or discipline specific associations. Organizations that accredit programs offered at SOWELA include the following:

1. Association of Technology, Management and Applied Engineering
2. Certified Nurse Assistant Registry
3. Federal Aviation Administration
4. Louisiana State Board of Practical Nurse Examiners
5. National Automotive Technicians Educational Foundation
6. American Culinary Federation Education Foundation

HISTORY

Technical education deals with knowledge, skills, and attitudes that prepare the individual for a specific occupation or vocation. To assist in the accomplishment of this task, the Southwest Louisiana Trade School was established by the Louisiana Legislature in 1938, and in 1940, classes began in five programs of training. In 1962, the name was changed to SOWELA Technical Institute due to expansion of facilities, growth of the student body, increased curricula, and the need for additional technical education.

In 1971, SOWELA Technical Institute gained significant recognition upon its accreditation by the Commission on Occupational Education Institutions of the Southern Association of Colleges and Schools – one of the most prestigious educational accrediting agencies in the United States. SOWELA Technical Institute moved to its present location at 3820 Sen. J. Bennett Johnston Avenue in January 1980. The institute was renamed SOWELA Regional Technical Institute in March 1990, as it served as the regional center for Region Five.

Another milestone was reached on July 27, 1995, when the school was renamed Louisiana Technical College – SOWELA Campus. SOWELA was among the largest and most progressive post-secondary technical colleges in the state. The Louisiana Community and Technical College System Board of Supervisors changed the status of Louisiana Technical College – SOWELA Campus to SOWELA Technical Community College effective July 1, 2003.

In 2010, the Louisiana Community and Technical College System Board of Supervisors approved the transfer of the Morgan Smith campus in Jennings to SOWELA Technical Community College. Previously, both Morgan Smith and SOWELA were part of Region Five. The transfer of Morgan Smith to SOWELA is a homecoming designed to increase services to Calcasieu and Jefferson Davis Parishes.
INSTITUTIONAL MISSION
SOWELA Technical Community College provides traditional, distance and lifelong learning experiences and awards associate degrees, technical diplomas, and certificates that empower learners in transfer, career, and technical education to excel as globally competitive citizens.

INSTITUTIONAL VISION
SOWELA Technical Community College models excellence in teaching, training, and service.

INSTITUTIONAL VALUES
SOWELA Technical Community College values: Student Success, Integrity, Collaboration, Innovation, Access, and Diversity.

GOVERNING BOARD
SOWELA Technical Community College is a part of the Louisiana Community and Technical College System (LCTCS), a division of the Board of Regents of the State of Louisiana. Members of the Board of Supervisors of the LCTCS are listed below.

Chair - Norwood "Woody" Oge
First Vice Chair - Timothy W. Hardy
Second Vice Chair - Deni Grissette
Robert Brown
Helen Bridges Carter
Keith Gamble
Steve Hemperley
Willie Mount
Michael Murphy

Student Board Members:
Benson Kinney
Da’Antre Austin

SERVICE AREA
SOWELA Technical Community College's Main Campus is located at 3820 Sen. J. Bennett Johnston Avenue in Lake Charles, Louisiana. The Main Campus is located in Calcasieu Parish and serves citizens of Calcasieu, Cameron, Jefferson Davis, Allen and Beauregard Parishes.

SOWELA also operates an off-campus site. The Morgan Smith site is located at 1230 North Main Street in Jennings, Louisiana, 70546-1327.

FREQUENTLY ASKED QUESTIONS
When is registration?
Registration is ongoing. To learn about registration, students should review the Schedule of Classes, check the SOWELA website, or visit the Office of Admissions located in the Administration Building.

How long must an individual reside in Louisiana before being considered a resident? Individuals must reside and/or work in Louisiana for at least one year (365 days) immediately preceding the first official day of classes for the semester they wish to attend. Refer to the SOWELA website for the Academic Calendar.

Do I have to take the SOWELA Placement Test if I have ACT or SAT scores?
If you have ACT or SAT test scores taken within the last three years that meet the requirements of the Board of Regents, you will not be required to take SOWELA's placement test. If you have transfer credit in college-level English and mathematics, you may receive a waiver from the placement test. Otherwise, you will be required to take the COMPASS Placement Test. New students will take the COMPASS after applying for admission and before being advised.

I do not want to receive credit for classes. Am I required to complete an application?
Yes, all students must complete an Application for Admission in order to register at SOWELA. After completing the application process, a student can either enroll for or audit a class (see the "Glossary" on page 209).

How do I obtain a transcript for another institution or an employer?
First, complete a Transcript Request form available in the Office of the Registrar, or print one from the web site at www.sowela.edu. Also, a letter can be sent to SOWELA Technical Community College, Office of Admissions, P. O. Box 16950, Lake Charles, LA 70616. The letter should include the student’s name (printed), signature, social security number, and an address where a transcript can be mailed. Federal regulations require that a student’s transcript be released only upon that student’s written consent, which must bear the student’s signature.

Where should other institutions of higher education send transcript(s) and application materials?
Other institutions should send transcripts to SOWELA Technical Community College, Office of Admissions, P.O. Box 16950, Lake Charles, LA 70616.

How do I register for online courses?
Students can apply to take online courses the same way they apply to enroll in other college courses.

Does SOWELA offer childcare for students’ children?
Currently, the College does not offer childcare services. However, there are qualified and reliable childcare facilities located in close proximity to the campus.

Is it necessary to have a SOWELA identification card?
All students are required to carry a SOWELA ID Card in order to check out books, print/copy, and use other services offered by the College. Some local merchants offer discounts to SOWELA students; to take advantage of the offers, a student ID Card in order to check out books, print/copy, and use other services offered by the College. Some local merchants offer discounts to SOWELA students; to take advantage of the offers, a student ID Card must be presented.

How do I qualify for the Dean’s List?
To qualify for the Dean’s List, a student must complete a minimum of twelve (12) or more credit hours excluding transitional courses and maintain a grade point average (GPA) of 3.5 or higher with no letter grade lower than a "C". Grades earned in transitional classes are excluded from the GPA for the Dean’s List.
How do I join a student club/organization?
To join a club/organization, a student should complete an application for that club/organization in the Office of Student Support Services. The application will be forwarded to the club's advisor, who will contact the prospective member.

Where do I obtain an application for federal financial aid (FAFSA)?
To obtain an application, visit the Office of Financial Aid and Scholarships located in the Administration Building or go online to www.fafsa.ed.gov.

What scholarships are available, and where can I apply?
Scholarship awards are based on availability of funds. To obtain a complete list of the scholarships offered at SOWELA and their qualifying requirements/criteria, students should visit the SOWELA web site at www.sowela.edu and click on the link for the Office of Financial Aid and Scholarships. Students can also download the scholarship application from this link.

ADULT BASIC EDUCATION & (GED) HISET PREPARATION

What is Adult Basic Education?
Adult basic education (ABE) is instruction designed to help adults improve their reading, writing and mathematics skills; achieve the minimum education level of a high school diploma or equivalent; or improve their speaking, reading, writing or listening skills so that they may gain employment commensurate with their real ability.

Does Sowela offer HiSET preparation classes?
Yes. Sowela partners with the Literacy Council of Southwest Louisiana to offer ABE and HiSET preparation classes. Both the main campus in Lake Charles and Morgan Smith Campus in Jennings have day and evening classes. Classes are also available in Deridder and Grand Lake. Online classes are also available.

Who is eligible to participate in ABE or HiSET classes?
Anyone over the age of 18 who is not attending a K-12 school is eligible to participate in classes. Students, ages 16 and 17, may attend classes if they receive an approved waiver from the local school district.

Who is eligible for online classes?
Online classes are available for people who cannot attend in-person class on a regular basis due to issues such as transportation, child care or work schedules. To be eligible for online classes, those interested must meet the following criteria:

- Must have access to a reliable computer with internet (preferably, broadband) access (home, library, etc.)
- Must be able to schedule at least 6-9 hours per week to work independently on computer-based and/or paper-based assignments.

How does a person register for classes?
To register for class, call the site closest to you or 1-888-LIT-SWLA to register for an upcoming new student testing session.

- Deridder (337) 348-4712
- Grand Lake (337) 598-5334
- Jennings (337) 616-9918
- Lake Charles (337) 494-7000 or (337) 421-6578 (Mon & Wed only)

How much does class cost?
There is an annual $25 registration fee due at new student testing.

How long will it take me to earn the HiSET?
The amount of time it will take you to be ready to pass the HiSET exam will depend on the balance between your program entrance scores and the amount of time you spend studying the material each week. To help you attain your HiSET as quickly as possible, we ask that you make a strong commitment by attending classes regularly, taking the pre- and post-assessments and completing all assignments.

Can I take college level courses at SOWELA while I work on my HiSET?
Yes. SOWELA has computer-based HiSET testing available on the main campus. There are five sections of the HiSET exam. Each section of the exam costs $27 and the total cost of the computer-based HiSET exam is $135.00.

Is the HiSET offered at SOWELA?
Yes. SOWELA has computer-based HiSET testing available on the main campus. There are five sections of the HiSET exam. Each section of the exam costs $27 and the total cost of the computer-based HiSET exam is $135.00.

Do I have to attend class to take the HiSET?
It is recommended that anyone who is not “HiSET Ready” participate in instruction prior to taking the exam. After intake-testing and orientation, anyone who is HiSET Ready is assisted with fast-track test preparation and scheduling the HiSET exam.

level courses at SOWELA while they work on the HiSET. Contact the Literacy Council at 1-888-LIT-SWLA for more information.

Where are classes offered?
- Lake Charles: Central School / Literacy Council, 809 Kirby St., Suite 126.
- Lake Charles: SOWELA Main Campus: 3820 Sen, J. Bennett Johnston Ave.
- Grand Lake: CCOA Site—965 Hwy 384.
- Jennings: SOWELA Morgan Smith Instructional Site, 1230 North Main St.
- Deridder: Bearegard Education Link / First Street School—401 West First St.

Setting: SOWELA Technical Community College

14 15
FALL 2015 SEMESTER
Full-Term Session
August 24 – December 14, 2015

March 30 – April 2 (Mon – Thurs).......................... Advising Days
April 6 – August 18 (Mon – Tues).......................... Registration for Fall 2015
August 17 (Mon)........................................................ Faculty return to campus
August 18 (Tues)...................................................... Payment Deadline for Fall 2015 12:00 Noon
August 19 (Wed)......................................................... Faculty Conference Day
August 19 – 28 (Wed – Fri)..................................... Late Registration Opens for Fall 2015
August 19 – 28 (Wed – Fri)........................................ 100% Tuition Adjustment Period
August 24 (Mon).................................................. Classes Begin for Session 7A
August 24 – 26 (Mon – Wed).................................. Registration ends at noon on 8/28/15
August 27 – 28 (Thurs – Fri)................................. 50% Tuition Adjustment Period for Session 7A
August 28 (Fri)......................................................... Final Payment Deadline for Fall 2015 at 5:00 p.m.

Dates for Fall 2015 Installment Payment Plan
July 10 (Fri) ......................................................... Enrollment Opens for Fall 2015 Installment Payment Plan
July 15 (Wed) ......................................................... Payment Due for Fall 2015 Installment Plan
August 15 (Saturday) ............................................. Payment Due for Fall 2015 Installment Plan
August 28 (Fri) ....................................................... Final Date to Enroll in Fall 2015 Installment Plan
September 15 (Tues) ......................................... Payment Due for Fall 2015 Installment Plan
October 15 (Thurs) .............................................. Payment Due for Fall 2015 Installment Plan
November 15 (Sunday) ........................................ Final Payment Due for Fall 2015 Installment Plan

November 9 – January 5 (Mon – Tues).......................... Registration for Spring 2016
November 23 – 27 (Mon – Fri)............................... Registration will end at noon on 01/05/16
December 4 (Fri) .................................................... Last Day of Classes
December 7 – 11 (Mon - Fri)................................. Final Exams Week
December 14 (Mon)............................................. Fall Semester Ends and Grades Due at 12:00 Noon
December 14 (Mon).............................................. Deadline for Removal of Incompletes from Previous Semester
December 18 (Fri)................................................... Grades Available to Students on Web

FALL 2015 SEMESTER
1st 7-Week Session (Session 7A)
August 24 – October 14, 2015

August 24 (Mon).......................................................... Classes Begin for Session 7A
August 24 – 26 (Mon – Wed).................................. 100% Tuition Adjustment Period for Session 7A
August 27 – 28 (Thurs – Fri).................................. 50% Tuition Adjustment Period for Session 7A
August 28 (Fri).......................................................... Late Registration and Add/Drop end at 12:00 Noon
August 29 – August 31 (Sat – Mon).......................... 25% Tuition Adjustment Period for Session 7A

September 1 (Tues) ...................................................... “Clean” Rosters Available for Faculty
September 4 (Fri)...................................................... Instructors submit final Show/No Show Report
September 4 – September 10 (Fri – Thurs)..................... 25% Tuition Adjustment Period
September 7 (Mon)...................................................... Labor Day Holiday
September 8 (Tues)...................................................... No Show Purge
September 10 (Thurs).................................................. Last Day to Drop Classes with a Tuition Adjustment
September 11 (Fri)..................................................... 14th Instructional Day/Reporting Day
October 14 (Wed)........................................................ Midterm Grades Due
October 28 (Wed)...................................................... Last Day to Withdraw from the College or from Full-term Classes
October 28 – November 11 (Wed – Wed)......................... Student Survey of Instruction
November 2 – 6 (Mon – Fri)................................................ Advising Days

November 9 – January 5 (Mon – Tues).......................... Registration for Spring 2016
November 23 – 27 (Mon – Fri)............................... Registration will end at noon on 01/05/16
December 4 (Fri) .................................................... Last Day of Classes
December 7 – 11 (Mon - Fri)................................. Final Exams Week
December 14 (Mon)............................................. Fall Semester Ends and Grades Due at 12:00 Noon
December 14 (Mon).............................................. Deadline for Removal of Incompletes from Previous Semester
December 18 (Fri)................................................... Grades Available to Students on Web
September 7 (Mon) ................................................................. Labor Day Holiday
September 18 (Fri) .............................................................. Midterm Grades Due
Sept 25 – Oct 2 (Fri – Fri) ........................................................... Student Survey of Instruction
September 28 (Mon) .............................................................. Last Day to Withdraw from Session 7A
October 12 (Mon) ................................................................. Last Day of Classes for Session 7A
October 13 (Tues) ............................................................... Final Exams for Session 7A
October 14 (Wed) ................................................................. Grades Due at 12:00 Noon for Session 7A

2nd 7-Week Session (Session 7B)
October 16 – December 14, 2015

September 28 (Mon) ................................................................. Registration opens for Session 7B
October 15 (Thurs) ................................................................. Registration for Session 7B closes at 3:00 PM
October 15 (Thurs) ................................................................. Payment Deadline for Session 7B
October 16 (Fri) ................................................................. 100% Tuition Adjustment Period for Session 7B
October 16 – 20 (Fri – Tues) ...................................................... 100% Tuition Adjustment Period for Session 7B
October 21 – 22 (Wed – Thurs) .............................................. 50% Tuition Adjustment Period for Session 7B
October 23 (Fri) ................................................................. 25% Tuition Adjustment Period for Session 7B
November 11 (Wed) ................................................................. Midterm Grades Due
Nov 18 – Dec 2 (Wed – Wed) .......................................................... Student Survey of Instruction
November 19 (Thurs) .............................................................. Last Day to Withdraw from Session 7B
November 23 – 27 (Mon – Fri) ...................................................... Thanksgiving Holiday
December 10 (Thurs) ............................................................... Last Day of Classes for Session 7B
December 11 (Fri) ............................................................... Final Exams for Session 7B
December 14 (Mon) ............................................................... Grades Due at 12:00 Noon for Session 7B

Spring 2016 SEMESTER
Full-Term Session
January 11 – May 9, 2016

November 2 – 6 (Mon – Fri) ........................................................... Advising Days
November 9 – January 5 (Mon – Tues) ........................................ Registration for Spring 2016
Registration ends at noon on 01/05/16
January 4 (Mon) ................................................................. Faculty return to campus
January 5 (Tues) ................................................................. Payment Deadline for Spring 2016 12:00 Noon
January 6 (Wed) ................................................................. Faculty Conference Day
January 6 – 15 (Wed – Fri) ............................................................. Late Registration Opens for Spring 2016
Late registration begins and Add/Drop reopens at 1:00 p.m. on 01/06/16 and both end at noon on 01/15/16
January 11 (Mon) ................................................................. Classes Begin
January 11 - 15 (Mon – Fri) ...................................................... 100% Tuition Adjustment Period
January 15 (Fri) ................................................................. Late Registration and Add/Drop end at 12:00 Noon
Final Payment Deadline for Spring 2016 at 5:00 p.m.
January 16 – 22 (Sat– Fri) ........................................................... 50% Tuition Adjustment Period
January 18 (Mon) ................................................................. Martin Luther King, Jr. Holiday
January 20 (Wed) ................................................................. “Clean” Rosters Available for Faculty
January 23 – 28 (Sat – Thurs) ...................................................... 25% Tuition Adjustment Period
January 25 (Mon) ................................................................. Instructors submit final Show/No Show Report
January 26 (Tues) ................................................................. No Show Purge
January 28 (Thurs) ................................................................. Last Day to Drop Classes With a Tuition Adjustment
January 29 (Fri) ................................................................. 14th Instructional Day/Reporting Day
February 8 - 10 (Mon – Wed) ........................................................ Mardi Gras Holiday
March 7 (Mon) ................................................................. Midterm Grades Due
March 11 – May 9 ................................................................. Community College Survey of Student Engagement
March 21 – April 11 (Mon – Mon) ........................................................ Student Survey of Instruction

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Sowela Technical Community College

Dates for Spring 2016 Installment Payment Plan

March 21 (Mon) .............................................. Last Day to Withdraw from the College or from Full-term Classes
March 25 – April 1 (Fri – Fri) .................................................. Spring Break
April 4 – 8 (Mon – Fri) ............................................................... Advising Days
April 11 (Mon) .......................................................... Registration for Summer 2016 & Fall 2016 Begins
April 15 (Fri) .............................................................. LCTCS Faculty Development Day -- No Classes
April 29 (Fri) ................................................................. Last Day of Classes
April 11 (Mon) ............................................................ Registration for Summer 2016 & Fall 2016 Begins
April 29 (Fri) ............................................................... Last Day of Classes
May 2 – 6 (Mon – Fri) ..................................................... Final Exams Week
May 9 (Mon) .......................................................... Spring Semester Ends and Grades Due at 12:00 Noon
May 9 (Mon) .............................................................. Deadline for Removal of Incompletes from Previous Semester
May 13 (Fri) .......................................................... Spring Grades Available to Students on Web
May 17 (Tues) .......................................................... Spring 2016 Commencement

Spring 2016 Semester

1st 7-Week Session (Session 7A)
January 11 – March 7, 2016

January 11 (Mon) .......................................................... Classes Begin for Session 7A
January 15 (Fri) .......................................................... Last Registration Ends at 12:00 Noon
January 11 – 13 (Mon – Wed) ......................................... 100% Tuition Adjustment Period for Session 7A
January 14 – 15 (Thurs – Fri) ........................................ 50% Tuition Adjustment Period for Session 7A
January 16 – 19 (Sat – Tues) ......................................... 25% Tuition Adjustment Period for Session 7A
January 18 (Mon) ......................................................... Martin Luther King, Jr. Holiday
February 3 (Fri) .......................................................... Midterm Grades Due
February 8 – 10 (Mon – Wed) .......................................... Mardi Gras
February 18 (Thurs) .......................................................... Last Day to Withdraw from Session 7A
March 3 (Thurs) .......................................................... Last Day of Classes for Session 7A
March 4 (Fri) .............................................................. Final Exams for Session 7A
March 7 (Mon) ........................................................ Grades Due at 12:00 Noon for Session 7A

2nd 7-Week Session (Session 7B)
March 9 – May 9, 2016

February 18 (Thurs) ........................................................ Registration opens for Session 7B
March 8 (Tues) .......................................................... Registration for Session 7B closes at 3:00 PM
March 8 (Tues) .......................................................... Payment Deadline for Session 7B
March 9 (Wed) .......................................................... Classes Begin for Session 7B
March 11 – May 9 ....................................................... Community College Survey of Student Engagement
March 9 – 11 (Wed – Fri) ........................................... 100% Tuition Adjustment Period for Session 7B
March 12 – 15 (Sat – Tues) ......................................... 50% Tuition Adjustment Period for Session 7B
March 16 (Wed) .......................................................... 25% Tuition Adjustment Period for Session 7B
March 25 – April 1 (Fri – Fri) ........................................ Spring Break
April 12 (Tues) .......................................................... Midterm Grades Due
April 15 (Fri) ................................................................. LCTCS Faculty Development Day - No Classes
April 20 - 27 (Wed – Wed) ................................................... Student Survey of Instruction
April 21 (Thurs) ................................................................. Last Day to Withdraw from Session 7B
May 5 (Thurs) ................................................................. Last Day of Classes for Session 7B
May 6 (Fri) ................................................................. Final Exams for Session 7B
May 9 (Mon) ................................................................. Grades Due at 12:00 Noon for Session 7B

**Summer 2016 SESSION**

**June 6 – July 29, 2016**

April 4 – April 8 (Mon – Fri) ................................................................. Advising Days
April 11 (Mon) ................................................................. Registration for Summer 2016 & Fall 2016 Begins
May 31 (Tues) ................................................................. Payment Deadline for Summer 2016 12:00 Noon
June 1 – June 8 (Wed – Wed) ................................................................. Late Registration Opens for Summer 2016
Late registration begins and Add/Drop reopens at 1:00 p.m. on 06/01/16 and both end at noon on 06/08/16
June 6 (Mon) ................................................................. Classes Begin
June 6 – 8 (Mon – Wed) ................................................................. 100% Tuition Adjustment Period
June 8 (Wed) ................................................................. Late Registration and Add/Drop end at 12:00 Noon
June 9 – 10 (Thurs - Fri) ................................................................. Final Payment Deadline for Summer 2016 at 5:00 p.m.
June 10 (Fri) ................................................................. “Clean” Rosters Available for Faculty
Instructors submit final Show/No Show Report
June 11 – 13(Sat – Mon) ................................................................. 25% Tuition Adjustment Period
June 13 (Mon) ................................................................. No Show Purge
June 13 (Mon) ................................................................. Last Day to Drop Classes With a Refund
June 14 (Tues) ................................................................. 7th Instructional Day/Reporting Day
July 1 (Fri) ................................................................. Mid-term Grades Due

**Dates for Summer 2016 Installment Payment Plan**

April 11 (Mon) ................................................................. Enrollment Opens for Summer 2016 Installment Payment Plan
Enrollment ends 06/08/16
May 15 (Sunday) ................................................................. Payment Due for Summer 2016 Installment Plan
June 8 (Wed) ................................................................. Final Date to Enroll in Summer 2016 Installment Payment Plan
June 15 (Wed) ................................................................. Payment Due for Summer 2016 Installment Plan
July 15 (Fri) ................................................................. Final Payment Due for Summer 2016 Installment Plan
SOWELA Technical Community College subscribes to the open door mission of the community and technical colleges in Louisiana. The open door policy applies to admission to SOWELA programs which do not have restricted admissions. Procedures for admissions to restricted programs are available upon request. Applicants are encouraged to complete admissions procedures at least thirty days prior to registration. Early application is important since some program enrollments may be limited. There is no application fee. Applications may be submitted by visiting the College website (www.sowela.edu). SOWELA accepts applications throughout the year.

GENERAL ADMISSIONS REQUIREMENTS

All applicants must submit the following items (NOTE: Documents will not be returned once submitted):

1. A completed application form. The online application must be submitted prior to the first day of classes. Incomplete or false information may jeopardize admission to SOWELA.

2. All official transcripts of previous schooling. These official transcripts must be submitted to the Admissions Office. An official transcript is one that is mailed directly from the student's school and is not approved by the state of Louisiana. Students born after 1956 must provide proof of immunization against measles, mumps, rubella, tetanus, or diphtheria on campus, the college will require the students who are not immunized to stop attending classes until the outbreak is over or until they submit proof of adequate immunization.

3. Proof of immunization. As required by Louisiana Law R.S. 17:110, all first-time students born after 1956 must provide proof of immunization against measles, mumps, rubella, tetanus and diphtheria as a condition of enrollment. Students will not be allowed to complete the registration process until they have satisfied the immunization requirement. A waiver may be signed by the student, however, in the event of an outbreak of measles, mumps, rubella, tetanus, or diphtheria on campus, the college will require the students who are not immunized to stop attending classes until the outbreak is over or until they submit proof of adequate immunization.

4. Proof of Selective Service status. In accordance with the requirements of Louisiana Law R.S. 17:3151 and the Federal Selective Service Act, applicants who are between the ages of 18 and 25 must provide written evidence that they have registered with Selective Service before they will be allowed to register for classes. Acceptable documentation may be a copy of the applicant's Selective Service Registration card or a printout from the Selective Service web site indicating the applicant's status.

The following categories of applicants are exempt from this requirement:

- Military personnel currently on active duty in the military
- Veterans who submit a copy of their DD214 discharge certificate

ADMISSION OF FIRST-TIME FRESHMEN

Applicants must provide an official high school transcript or official high school equivalency scores (GED or HiSET) for admission into the associate degree programs and the Practical Nursing program. Applicants, who are graduates of a high school in Louisiana, must receive a grade of C or better. Successful completion of college English Composition and College Algebra is required in order to successfully complete a course for transfer, the student must receive a grade of C or better.

SOWELA's ACT Code is 5064. The official transcript must indicate successful completion of college English Composition and College Algebra. ASSET or COMPASS scores may also be used for placement. Students whose test scores indicate a need for additional preparation in basic skills will be required to enroll in appropriate transitional courses to help prepare them for success in higher level courses.

SOWELA's placement exams are administered for course placement only and are not used in determining admission to the college except when academic achievement levels are required by a licensure board (i.e. the Louisiana State Board of Practical Nurse Examiners). Test scores are primarily used for advising and placement purposes. A student that tests into transitional courses may be permitted to enroll in a limited number of other courses determined by the department as not requiring a prerequisite.

ADMISSION OF TRANSFER STUDENTS

A transfer student is any student who has been previously enrolled at any college or university. Transfer students may enroll at SOWELA if they are eligible for readmission at the last institution, it may be used in place of TOEFL. If the applicant has completed course work for the practical nursing degree program (see the programmatic admission requirements page 146) the degree program will be updated to Practical Nursing.

Students planning to enroll should request that their ACT scores be sent to the Admissions Office at SOWELA. SOWELA's ACT Code is 5064. The official transcript must indicate successful completion of college English Composition and College Algebra. In order to successfully complete a course for transfer, the student must receive a grade of C or better.

ASSET or COMPASS scores may also be used for placement. Students whose test scores indicate a need for additional preparation in basic skills will be required to enroll in appropriate transitional courses to help prepare them for success in higher level courses.

SOWELA's placement exams are administered for course placement only and are not used in determining admission to the college except when academic achievement levels are required by a licensure board (i.e. the Louisiana State Board of Practical Nurse Examiners). Test scores are primarily used for advising and placement purposes. A student that tests into transitional courses may be permitted to enroll in a limited number of other courses determined by the department as not requiring a prerequisite.

ADMISSION OF INTERNATIONAL STUDENTS

SOWELA welcomes international students and values their contribution to enhancing the cultural diversity of the College. International students are issued a SEVIS form I-20 by SOWELA after the applicant:

1. Completes a SOWELA application.
2. Meets entrance requirements on SOWELA's placement test or ACT, or (if the applicant's native language is not English) scores 450 or more on the paper/pencil Test of English as a Foreign Language (TOEFL) or a 133 on the computerized TOEFL. If the applicant has completed coursework for regular academic credit at another USA institution, it may be used in place of TOEFL.
3. Provides the following documentation to the Admissions Office:

   a. Birth Certificate or other proof of citizenship.
   b. Documentation of high school completion.
   c. Affidavit of support (INS Form I-134) or SOWELA's affidavit of support.
   d. Proof of immunization as required of all students.

   All documentation must be in English or accompanied by certified translations in English.

An M-I or an F-1 student must be a full-time student and is not allowed to accept any form of employment. An M-I student has 30 days to depart the United States after completion of his/her course of study. For additional information call (800) 256-0483 or (337) 421-6565.

ADMISSION OF TRANSFER STUDENTS

A transfer student is any student who has been previously enrolled at any college or university. Transfer students may enroll at SOWELA if they are eligible for readmission at the last
Students from participating high schools may enroll in STEPS under the direction of the STEPS coordinator and their high school counselor. Students must meet the minimum requirements of the following diploma paths to qualify for the STEPS program:

**Career Diploma**
- Graduating senior pursuing a Career Diploma that is school-approved
- Maximum of two (2) core courses left for graduation (English, math or science)
- Minimum of 18 high school credits earned
- Meet SOWELA’s placement exam standard or required ACT score
- Minimum of twelve (12) semester hours of SOWELA Courses enrolled per semester (fall & spring)
- Open to most SOWELA diploma/degree plans

**La Core 4/Basic Core Curriculum**
- Graduating senior pursuing a La Core 4 or Basic Core path that is school-approved
- Minimum of 18 high school credits earned
- Meet SOWELA’s placement exam standard or required ACT score
- Minimum of twelve (12) semester hours of SOWELA courses enrolled per semester (fall & spring) including any high school core dual enrollment courses needed for graduation
- Open to most SOWELA diploma/degree plans

Tuition and books are paid for through a state grant for high school seniors who meet the STEPS admission requirements and choose to attend SOWELA during their senior year of high school. The only cost to the student is to cover mandatory fees per semester.

For additional information, contact the counselor at participating high schools or phone the STEPS office at (337) 421-6597.

**EARLY ADMISSIONS**
A student may be able to take classes at SOWELA while still in high school as part of our Early Admissions Program. Students currently enrolled as a junior or senior in high school or home school in a BESE approved home school may qualify to attend SOWELA if the following requirements are met:

- Grade Point Average of 3.000 (out of a 4.000) system
- A letter from the high school counselor or principal recommending them for enrollment. Homeschool students must have a letter from someone outside the home that is aware of the student’s academic progress.
- An official high school transcript. Documentation of approval for homeschooling from BESE will also be accepted.
- Students must meet all college admission and registration requirements and procedures.
- Students must meet college-level entrance requirements on either the ACT or COMPASS exam.
- Students may pay course tuition, book costs, and fees.

Please note that the classes taken through the early admissions program may not count toward the student’s high school diploma or substitute for any high school course requirements.

**ADMISION OF NON-MATRICULATING STUDENTS**
Students interested in gaining a basic understanding of course material without the pressure of examination may take classes for non-credit.

A notation of audit (AU) will be assigned to the student’s SOWELA transcript. Those students taking classes for non-credit are not required to provide a high school transcript or take the placement examination. Fees are the same as those for credit students.

Enrollment as “non-credit” in day classes must be approved by the School Dean and registration must be done during the drop/add/late registration period, giving degree-seeking students first priority. Coursework will not be retroactively assigned a grade for non-credit students.

**DUAL ENROLLMENT**
Dual Enrollment is a program that allows a high school student to enroll in a college level course for which dual credit (both college and high school credit) is earned on the student’s secondary and postsecondary academic record. Eligible high school and SOWELA Courses are listed on the Dual Enrollment Matrix which is included as part of the application to the Dual Enrollment program. The credits that students earn will be applicable toward high school graduation and acceptable toward a college Associate degree or Technical Certificate. This opportunity allows students to accelerate their college career while saving time and money.

However, it is vital to understand that a high school student registrant is expected to adhere to all college, course, and instructor requirements. The program is designed for students who:
- are serious about their education,
- want to understand what it is like to attend college,
- want to earn a college degree or a technical certificate,
- desire to start college education where there is a smaller student to teacher ratio, and
- wish to get an early start on completing their college education.
DUAL ENROLLMENT PROCEDURE FOR HOME SCHOOLED STUDENTS

Dual Enrollment is a program that allows a high school student to enroll in college level-courses for which dual credit (both college and high school credit) is earned on the student’s secondary and postsecondary academic records. Eligible high school and SOWELA courses are listed on the Dual Enrollment Matrix which is included as part of the application to the Dual Enrollment program. The credits that students earn may be applicable toward high school graduation and acceptable toward a college Associate degree or Technical Certificate. This opportunity allows students to accelerate their college career while saving time and money. It is vital to understand that a high school student registrant is expected to adhere to all college, course, and instructor requirements. Additionally, the following requirements must be met:

• Grade Point Average of 2.500 (out of a 4.000) system
• A letter from someone outside of the home who is aware of the student’s academic progress.
• An official high school transcript and documentation of approval for homeschooling from BESE.
• Students must meet all college admission and registration requirements and procedures.
• Students must meet college-level entrance requirements on either the ACT or COMPASS exam to enroll in college-level courses. If these entrance requirements are not met, level-appropriate transitional courses must be taken. Transitional courses are not eligible for dual enrollment credit.

For additional information on the program, contact the College and Career Transition Coordinator at (337) 421-6983.

Students must meet college-level entrance requirements on either the ACT or COMPASS exam to enroll in college-level courses. Any exception to this would require the approval of the Dean of Instruction.

Students must pay course tuition at a rate of $45/credit hour, book costs, and related supply costs and/or lab fees.

Please note that some classes taken through SOWELA may not count for credit toward the student’s high school diploma or substitute for a high school course requirement. Students should consult with the Board of Elementary and Secondary Education (BESE) to guarantee acceptance of a college course for substitution of a high school course. Students should also consult the Louisiana Department of Education to guarantee acceptance of college course substitution for high school courses for the purposes of TOPS or TOPS Tech.

For additional information on the program, contact the College and Career Transition Coordinator at (337) 421-6983.

ORIENTATION

All new students are required to participate in an orientation session designed to assist in adjusting to college life. First-time students must participate in orientation in order to register for their first term.

Orientation is conducted each term for new students by the Office of 1st Year Experience to acquaint each student with the staff, buildings and grounds, policies, and rules and regulations of SOWELA.

Each student will be assigned a departmental faculty adviser after the orientation. The faculty adviser will assist the student with curriculum advisement during advising days.

ONLINE ORIENTATION

SOWELA new students have the option to participate in new student online orientation. However, all students must attend one face-to-face orientation for new students. For additional information regarding online orientation please contact the Office of 1st Year Experience at (337) 421-6967.

COMPASS PLACEMENT TESTING

The COMPASS is a skills assessment tool used by SOWELA to ensure you are taking classes that fit your academic needs. There is no pass or fail grade, but you need to complete a COMPASS assessment on campus before registering for classes. The COMPASS includes sections on writing, reading, and math.

You are required to complete a COMPASS assessment unless you have scores on the ACT that can be substituted for the writing, reading, and math portions of the COMPASS. Students with prior college credit from other schools may be waived from the requirement to take the COMPASS. Bring a copy of your college transcripts to campus and an Enrollment Specialist will determine if you qualify for a COMPASS waiver.

Payment Options

Testing fees can be paid by cash and check only in the SOWELA Business Office in Lake Charles or the Front Office in Jennings at the Morgan Smith Campus. Credit and debit card payments must be made online at SOWELA’s website.

Schedule your COMPASS placement exam online at your convenience. Go to www.sowela.edu. There you will find the link to schedule and pay testing charges online.

COMPASS Exam Testing Charges:

$25. (Reading, Writing and Math)
$18. (Two Sections)
$11. (One Section)

College Board Advanced Placement Program (AP)

Students who have taken part in the Advanced Placement Program of the College Board may receive credit for examinations at SOWELA. Students who have participated in this program and who plan to enroll at SOWELA should have their AP exams score sent to the Office of the Registrar (College Code 6808). Additional information may be obtained from the Office of the Registrar.

College Level Examination Program (CLEP)

Students who have taken the College Level Examination (CLEP), may be eligible to receive credit at SOWELA. Students who plan to enroll at SOWELA should have their (CLEP) exam scores sent by mail to the Office of the Registrar (College Code 5048).

SOWELA Technical Community College
## TUITION AND FEE SCHEDULE

*Note: The table below reflects the estimated rates for 2015-2016. These rates are subject to change at any time.*

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<th>Credit Hours</th>
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<th>Grad Act Adjustment FEE</th>
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<th>Operational Fee</th>
<th>Academic Fee</th>
<th>Excellence Fee</th>
<th>Enterprise Resource Planning Fee</th>
<th>Building Util Fee</th>
<th>Technology Fee</th>
<th>Service Activity Fee</th>
<th>SGA Fee</th>
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**Course specific lab and other fees vary by department and term.**

**Fee Assessment Details**

### Operational Fee
Effective Fall 2004, State of Louisiana Legislators and LCTCS approved an operational fee to be assessed at all state colleges and universities. The operational fee will cover operational expenses no longer covered by the State. The operational fee is $3 per credit hour (Maximum $36 per enrollment period).

### Student Services Fee
Effective Fall 2011, LCTCS and the Board approved a Student Service Fee to be assessed at all LCTCS colleges. This covers fees for student services such as registration, financial aid, bursar, campus security, library, etc. The Student Service Fee is $2 per credit hour (Maximum $24 per enrollment period).

### Academic Excellence Fee
Effective Fall 2004, State of Louisiana Legislature approved an Academic Excellence Fee to be assessed at all LCTCS colleges. The Academic Excellence Fee promotes academic excellence at the college by enhancing institutional programs. This fee was approved by the State Legislature in 2003.

### Enterprise Resource Planning Fee
Effective Fall 2010, LCTCS and the Board approved an Enterprise Resource Planning Fee to be assessed at all LCTCS colleges. The enterprise resource planning fee will support the implementation and operation of the ERP for the LCTCS. The Enterprise Resource Planning Fee is $3 per credit hour.

### Testing Fee
Effective Fall 2004, the Board of Supervisors of the Louisiana Community and Technical College System (LCTCS) approved a Testing Fee to be assessed at all LCTCS colleges. The Testing Fee is $2 per credit hour (Maximum $24 per enrollment period).
Building Use Fee
Effective Fall 2013, State of Louisiana Legislature's and LCTCS approved a building use fee to be assessed at all state colleges and universities. The building use fee will be used to construct, acquire, repair, maintain, operate, or improve the facilities and physical infrastructure of the college. The building use fee is $4 per credit hour. (Maximum $48 per enrollment period).

Technology Fee
The student technology fee is $5 per credit hour (Maximum not to exceed $60 per enrollment period). All students pay a student technology fee which supports existing technological resources on SOWELA’S campus and provides for upgrades and improvements.

Student Activity Fee
Based on the results of a student referendum held in the fall semester 2013, a student activity fee of $4 per credit hour (Maximum not to exceed $48 per enrollment period) is being implemented effective Fall 2014. All students pay a student activity fee which will provide essential resources to build a vibrant student life experience at SOWELA.

Student Government Association Fee
All students pay this fee which supports the student activities sponsored by the SGA.

Parking Fees/Permits
Vehicle registration permits are issued from the Office of Facilities at a cost of $30 each. All faculty, staff, and students who operate vehicles on campus must register their vehicles and display the hanging permit from their rearview mirror so that it is visible at all times. Vehicle registration allows authorized students to park in zones to which they are entitled only if space is available. The operation of a motor vehicle on campus is a privilege granted by SOWELA Technical Community College. Failure to abide by the regulations will revoke this privilege and/or result in disciplinary action.

Graduation Fee
Students who will be graduating are required to pay a graduation fee of $60 during the period of time established for this purpose. The fee covers your cap and gown, and will defray graduation costs. This fee will be paid at the time of registration for the student’s final term and is NONREFUNDABLE. This fee is required even if the student does not plan to attend the graduation ceremony.

Library Fines
The Library and Learning Resource Center (LLRC) has a one month loan period for books with the option to renew materials for an additional month. At the end of the loan period, materials that have not been returned or renewed are considered overdue. The LLRC charges twenty-five (25) cents per day for each overdue book. When a book is reported lost or long overdue the user is charged for the replacement cost and assessed a $20.00 processing fee. Overdue notices are sent through U.S. mail. A “flag” or stop is placed on a student record when fines are owed. Students may not register for classes or receive transcripts until their account is settled.

Payment Options
Payment Methods Accepted through our Online Payment Gateway
The student or authorized user can make payments by electronic check (e-check), or pay by credit/debit card. MasterCard, American Express, Discover, and Visa are all accepted. The e-check option is entirely free while a 2.75% service fee will be charged for each transaction processed using a credit/debit card (This is a non-refundable fee and is paid directly to CashNet, not to the college).

Returned Checks
All returned checks and/or credit card charge backs due to insufficient funds, unauthorized use, cancelled card or fraud will be assessed a $25 fee on the student’s account and the associated payment will be reversed. If the payment made by the student or on his behalf is returned, that student may forfeit all check writing/EFT privileges with SOWELA in the future. Payment by cash, cashier’s check, or money order may be required. Only in the case of a bank or card issuer error will the returned check/credit card charge back penalties be removed. After the College has exhausted its attempts to notify the student, failure to repay the balance due will subject the student to administrative withdrawal from classes, and other consequences required by state law.

Tuition Deferral Plan
SOWELA has an established contract with CashNet to provide the ability for students to participate in an installment plan. Students who do not pay the down payment by the given deadline will have their classes dropped. The applicable fee must accompany any payments, and payments are due even if a statement is not received in the mail.

Tuition Payment Plan “The Plan”
SOWELA has an established contract with a third-party vendor, cashnet, to provide a payment plan (“The Plan”) for students (formerly offered directly by SOWELA as a “deferment plan”). To participate in The Plan, students must enroll in a full Fall, Spring, or Summer Semester at SOWELA Technical Community College. The Plan allows students to pay for tuition and fees through monthly installment payments throughout the semester. The number of monthly installments is determined by the date of enrollment and the final payment due date. Final payment due dates are as follows and are subject to change at any time:

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<thead>
<tr>
<th>Semester</th>
<th>Final Payment Due Date</th>
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<td>Summer 2015</td>
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<tr>
<td>Summer 2016</td>
<td>July 15, 2016</td>
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</table>

Tuition/Refund Policy
SOWELA has an established contract with a third-party vendor, cashnet, to provide a payment plan (“The Plan”) for students (formerly offered directly by SOWELA as a “deferment plan”). Tuition/Refund Policy:

- All payments are non-refundable except in the case of a bank or card issuer error.
- The Plan allows students to pay for tuition and fees through monthly installment payments throughout the semester. The number of monthly installments is determined by the date of enrollment and the final payment due date.
- Final payment due dates are as follows and are subject to change at any time:
  - Summer 2015 Final Payment is Due by July 15, 2015
  - Fall 2015 Final Payment is Due by November 15, 2015
  - Spring 2016 Final Payment is Due by April 15, 2016
  - Summer 2016 Final Payment is Due by July 15, 2016

FINANCIAL AID OFFICE

FINANCIAL AID OFFICE

FINANCIAL AID OFFICE
A one-time, non-refundable fee of $30.00 will be charged upon enrollment in The Plan and is set by and paid directly to the vendor. The first installment (down payment) is due at the time of enrollment. If any installment payment is not received within 15 calendar days after its due date, a late fee of $10.00 will be assessed by the vendor. Please note that declined attempts for credit card or ACH charges or returned checks may also result in late fees if a valid payment is not received by the due date.

The TUITION ADJUSTMENT POLICY for SOWELA Technical Community College is as follows:

- **A 100% Tuition Adjustment** of Tuition, and all fees will be made to students who resign from all classes or drops a course(s) during the first five instructional days (Add/Drop Period) of the fall and spring semester and the first three instructional days for the summer semester and mini-semesters.

- **A 50% Tuition Adjustment** of Tuition, Operational Fee, Academic Excellence Fee, and Technology Fee will be made to students who resign from all classes or drops a course(s) after the 5th instructional day through the 9th instructional day of the semester for the fall and spring semester and after the 5th instructional day through the 6th instructional day of the semester for the summer semester and mini-semesters.

- Other registration fees such as: Student Services Fee, Enterprise Resource Fee, SGA Fee, Parking Fee, Lab Fees, and other miscellaneous fees are not refundable during the Tuition Adjustment Period.

- No Tuition Adjustments shall be made after the 13th instructional day for the fall and spring semester or after the 6th instructional day for the summer semester.

- No refund shall be made for non-credit courses unless the class is cancelled.

- No refund shall be made for testing fees or application charges.

### Tuition Adjustment Schedule

| Fall 2015 Students who resign or drop a course(s) | Spring 2016 Students who resign or drop a course(s) | Summer 2016 Students who resign or drop a course(s) | The percent of fees refunded will be
|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------
| By 8/28/2015 at noon                         | By 1/15/2016 at noon                          | By 6/8/16 at noon                              | 100% of All Tuition and Registration Fees     |
| 8/29/15 - 9/3/15                            | 1/16/16 - 1/22/16                            | 6/9/16 - 6/10/16                              | 50% refund of Tuition, Operational Fee, Academic Excellence Fee and Technology Fee |
| 9/4/15 - 9/10/15                            | 1/23/16 - 1/28/16                            | 6/11/16 - 6/13/16                             | 25% refund of Tuition, Operational Fee, Academic Excellence Fee and Technology Fee |
| After 9/10/2015                              | After 1/28/2016                               | After 6/1/3/2016                              | There is no refund of fees for resigning from all courses or dropping a course (s) |

### Student’s Fiscal Responsibility

By enrolling in classes at SOWELA Technical Community College, the student makes a financial commitment to pay the tuition and fee charges associated with that enrollment. The enrollment action constitutes a financial obligation between the student and SOWELA.

The following terms and conditions are financial requirements of each student’s education related to their registration for a term at SOWELA Technical Community College. The payment of tuition and fees is the obligation of the student. By processing a course registration a student acknowledges they have read and agree to the following terms and conditions:

- Registration constitutes a financial agreement between you (“Student”) and SOWELA Technical Community College. Tuition, fees and other charges you incur, including but not limited to testing charges, course specific fees, fines and bookstore charges (“Charges”), shall be added to your student account.

- Once you formally register for classes, you assume the responsibility for understanding SOWELA’s official policies concerning schedule changes, satisfactory academic progress and the financial policies of the College as described in the current SOWELA Technical Community Catalog and Student Handbook.

- Charges left unpaid for prior terms may result in dis-enrollment from your current term courses unless payment arrangements are made prior to payment deadlines.

- Withholding of services: If you have any outstanding obligations with any college in the Louisiana Technical Community College System, SOWELA reserves the right to withhold future services including but not limited to registration, transcript requests, diploma, use of university facilities, and other services as deemed appropriate.

### SOWELA One Refund Debit Card

SOWELA has partnered with Higher One, a financial services company, to provide a method of refund disbursement to the college. Higher One will be handling all refunds for SOWELA’s account. Students withdrawing after the stated refund dates remain liable for full tuition and fee charges.

In the event the student becomes delinquent in paying Charges or defaults in repaying Charges the debts may be transferred to the State of Louisiana Attorney General’s Office, or another collection agency, for collection.

If SOWELA Technical Community College prevails in a lawsuit to collect on this financial obligation, Student will pay SOWELA’s court costs, collection agency costs and attorney’s fees in an amount the court finds to be reasonable.

Collection costs incurred in the event of delinquency shall be at the expense of the Student.

SOWELA accepts payment via student financial aid and third party sponsorship, but the responsibility for payment remains with the student. It is your responsibility to keep track of your account balance and any funding sources. If financial aid is not granted or if third party sponsors do not pay within a reasonable period, the student will be required to pay the full amount due.

You consent to receive e-mail notifications to your @sowela.edu e-mail address of the availability of an E-Bill (Electronic Billing Statement) and consent to review billing statement information on SOWELA Web Payment System.

It is the student’s responsibility to check his/her SOWELA student e-mail daily and maintain a current postal address to ensure receipt of all College correspondence.
credit students via an electronic disbursement format. As a SOWELA credit student you must activate your preference to receive a refund through the Higher One account. You then will be given the option to have your financial aid and tuition refunds disbursed via the SOWELA Debit Card or an electronic transfer to an existing bank account of your choosing. We are very excited about this opportunity to provide students with faster choices on how they want to receive their refund.

A $20 replacement card fee is due at the time of re-ordering an active card. Please contact Higher One Support at 1-866-663-2228 to re-order.

Contact the Business Office to request a replacement card, if you never received a card or you have lost yours without activating it.

To learn more about Higher One and this great service, visit the Higher One www.higherone.com or www.lctcsdebitcard.com websites.

When you receive your official student refund card, or the SOWELA Debit Card in the mail, activate your refund preference within two business days at www.lctcsdebitcard.com. It is easy!

Even if you do not anticipate a tuition or financial aid refund, activation is required. Do not throw your card away!

Remember it is vital to verify and update your address, phone and e-mail to insure the quickest refunds.

FINANCIAL ASSISTANCE

The Enrollment Services One Stop Center works closely with all applicants and students to provide information on financial aid programs which assist with the costs related to their education. It is the responsibility of the applicant or student to make application and provide necessary documentation to establish eligibility with each financial aid source. Financial aid works with the agencies providing funding to SOWELA students. As requested, attendance and progress reports are provided to the funding agencies.

Brief descriptions of financial aid sources follow. More details can be obtained through the Office of Financial Aid or from the various agencies.

The Financial Aid process can take time and some funds are limited so we encourage you to apply as soon as possible. All documents must be submitted to the Enrollment Services One Stop Center before registration in order to use any aid you may be eligible for, to assist with fee payment. Please note our office is always open and welcomes the opportunity to assist you with completing your application.

Steps to Apply:
1. Complete the Free Application for Federal Student Aid (FAFSA). This form may be found on the FAFSA web site at www.fafsa.ed.gov. Our office is happy to assist students in completing the application online. If a student needs assistance in applying, they should come to the Financial Aid Office with all 2014 income-related information including their federal tax return and if applicable their parents tax return.
2. Submit any additional requested documentation to the Financial Aid Office.
3. Must be enrolled in an eligible diploma or associate degree program. The student must have a high school diploma or a HiSET in order to receive Title IV aid. In addition, all males 18 or older must be registered with selective service.
4. An award notification will be emailed to the student. The student will be able to log in to LoLA and view the amount and type of aid they may be eligible to receive. You must notify the office if you wish to accept, decline, or reduce any portion of your award.

Please note: All students awarded Title IV financial aid at SOWELA are required to maintain Satisfactory Academic Progress (SAP) while receiving aid. Please read below for full policy:

SOWELA SATISFACTORY ACADEMIC PROGRESS (SAP) POLICY
The Federal Government mandates that students must maintain satisfactory academic progress toward completion of their degrees within a reasonable period of time in order to be eligible for Title IV financial aid programs (grants, work-study, and National Guard).

Satisfactory Academic Progress (SAP) is defined as:
- Passing 67% of all hours attempted
- Achieving a required grade point average (see GPA chart)
- Not exceeding 150% of the total attempted hours needed to complete an approved major/program as defined by the Department of Education

When is SAP Reviewed?
Satisfactory Academic Progress (SAP) will be reviewed and determined:
1. Before aid is initially awarded, AND
2. At "specific increments (see below depending upon the student’s program of study)"

SOWELA Technical Diploma Students:
Satisfactory Academic Progress will be reviewed again after each semester (*increment = one semester) for students enrolled in a technical diploma programs.

SOWELA Associate Degree Program: Satisfactory Academic Progress will be reviewed again after the spring semester (*increment = fall/spring semester combined) for students enrolled in associate degree programs. (Also, reviewed at the end of summer if applicable)

How is SAP Reviewed? (Three measures - Qualitative, Quantitative/PACE, and Maximum Time Frame)
In calculating/reviewing SAP, all hours and grades attempted will be considered. These include, but are not limited to, courses passed, courses failed, courses from which the student withdrew, repeated courses, transferred/accepted courses, non-credit transitional/remedial coursework and courses for which the student did not receive any financial aid.

1. Qualitative Measure (GPA)
The qualitative standard is the student’s cumulative grade point average (GPA). The qualitative standard requires that as the number of hours attempted increases, the student’s cumulative GPA increases. SOWELA students will need to achieve a cumulative GPA relative to the total number of hours attempted as outlined in the chart below:

Students can calculate their GPA using the GPA Calculator located on the SOWELA website at:
http://www.sowela.edu/gpa-calc

2. Quantitative Measure/PACE
In calculating the quantitative measure, we will measure the “Pace” at which the student is progressing. This is done by dividing the total hours passed by the cumulative hours attempted. (Example: total attempted hours for = 43, total completed hours = 24. So the calculation would be 24 / 43 = 55%). This student only has a 55% completion rate – does not meet SAP! SAP will be met if the student is achieving the appropriate cumulative GPA (see GPA chart above) and the Pace is equal to 67% or higher and the student has not reached 150% maximum time frame allow-
HOW OTHER FACTORS PERTAIN TO SAP

"I" Grades - An "I" (incomplete) will be considered an "F" until a letter grade is assigned in its place. It is the student's responsibility to notify the Financial Aid Office of the grade change.

Transitional/Remedial Courses - A maximum of 30 hours of transitional/remedial courses will be used to determine enrollment status for financial aid. After a student has attempted 30 hours of transitional/remedial hours, she/he cannot receive financial aid for transitional/remedial hours. From that point forward, transitional/remedial hours will not count in enrollment status or cost of attendance for financial aid purposes.

Withdrawals - If a student stops attending class officially or unofficially prior to the college census date (14th class date), the last date of class attendance will be used to calculate how much aid was earned for the semester. If a student stops attending class officially after the college census date, the date that the student begins the withdrawal process will be used to calculate how much aid was earned for the semester. If a student stops attending class unofficially after the college census date, the midpoint semester date or if available the last date of student participation in an academically related activity may be used as a withdrawal date to calculate how much aid was earned for the semester.

Unofficial Withdrawal - Students receiving Title IV aid who stop attending all classes and receive all F's or AW's will be treated as unofficial withdrawals. Students who are suspended from college for an academic reason are subject to meeting the SAP requirements for the semester in which she/he re-enrolls at SOWELA. "Sitting out" has no bearing on regaining eligibility.

Students who do not meet SAP Standards will be subject to meeting the conditions listed below for the semester in which you re-enroll.

Students who do not meet SAP Standards and all other high school students taking college courses during high school will have these courses evaluated when matriculating at SOWELA Technical Community College. If a student's college level courses fail to meet the appropriate cumulative GPA (see GPA chart) and/or 67% completion requirements, she/he will not be eligible for federal financial aid. (See “Re-establishing Financial Aid Eligibility”)

Academic Amnesty - Academic amnesty does not affect or alter the student's financial aid records (academic transcript) for financial aid eligibility. All courses, hours attempted, and grades will be counted for financial aid Satisfactory Academic Progress. This means if for any reason you are allowed to receive a “fresh start” and have all prior SOWELA coursework removed, this WILL NOT remove the coursework from your transcript (all courses, hours, and grades will be counted) for Financial Aid purposes.

Repeated Courses - Repeated courses which were previously failed are counted in hours pursued and, if successfully completed, hours earned/passed. Only one repeated course may be funded with Title IV federal aid if the student has previously passed the course.

WHAT HAPPENS ONCE SAP IS REVIEWED?

At the time of SAP review, students will fall into one of the following categories:

- Good Standing: Student has met progress standards and is eligible for aid for the following semester or academic year.
- Suspension: Student has not made progress. Student is no longer eligible for Financial Aid. Please see re-establishing eligibility below.
- Probation: Student has NOT met progress standards, but has an approved appeal and is eligible for financial aid for one semester or length of Academic Plan.

RE-ESTABLISHING FINANCIAL AID ELIGIBILITY

Should a student choose to “sit out” or attend another school for a period of time, she/he is still subject to meeting the SAP requirements for the semester in which she/he re-enrolls at SOWELA. “Sitting out” has no bearing on regaining eligibility.

Students must enroll and be attending to re-establish your financial aid eligibility. Should you choose to “sit out” a semester, you are still subject to meeting the conditions listed below for the semester in which you re-enroll.

Students who do not meet SAP Standards have two options to receive Financial Aid in future semesters:

1. Attend and regain without the benefit of financial aid - Students may attend at their own expense without the benefit of federal financial aid, attempt and pass a cumulative 67% of hours attempted and earn the appropriate GPA. (See GPA increment chart)

If the institution determines that the student is able to meet the Satisfactory Academic Progress...
requirements by the end of one semester (the semester that the student is appealing), the student may appeal to the Financial Aid Department. If the appeal is approved, the student will be considered on “Probation,” meaning the student is eligible for aid for one semester only. To meet the Satisfactory Academic Progress requirements the student must earn the appropriate cumulative GPA (according to the GPA increment chart), maintain PACE by passing/earning 67% percent of cumulative course attempted, and not exceed 150% of degree program.

Appeal with an Academic Plan:

If a student wants to submit a Financial Aid appeal and it is clear the student will NOT be able to meet the progress requirements by the end of the semester for which the student is appealing, the student must see their Academic Advisor who will place the student on an Academic Plan that if followed, will ensure that the student will be able to meet the SOWELA SAP requirements by a specific point in time without exceeding 150 percent of the degree program. If the student is unsure on if they will need a plan, students may use calculators listed below to determine if SAP will be met in one semester, he/she must provide the following in order to appeal:

1. Complete a Financial Aid Appeal Form (located on our web page) http://www.sowela.edu/PageDisplay.asp?p1=2202
2. Submit a typed letter that includes all of the following:
   a. Why the student failed to make satisfactory academic progress.
   b. Why the student is appealing. Example: meeting a 2.0 GPA or 67% completion rate.
   c. What types of mitigating circumstances existed and documentation of the situation.
   d. What has changed in the student’s situation that will allow the student to demonstrate progress at the next SAP evaluation?
3. If it is clear that the student will be unable to meet SAP in one semester, he/she must also submit an Academic Plan (provided by the Academic Advisor).

*All appeals MUST have documentation that corresponds with the type of appeal the student is filing.*

If the appeal is approved, the institution has determined that the student should be able to meet the SAP standards by the end of the semester, the student will be placed on “Probation” and would be eligible for aid during the next semester. The student’s academic progress will be reviewed at the end of that semester. If, at the end of the semester, the student does NOT meet the SAP requirements, the student is no longer eligible for federal aid until the student attends at his own expense and meets all SAP requirements.

If the appeal (with an Academic Plan) is approved, the student will be placed on “Probation with Academic Plan”, meaning the student is eligible for aid as long as the student adheres to the Academic Plan. The Academic Plan requires 100% successful completion, no drops or withdrawals, and a specified GPA. The student’s academic progress will be reviewed at the end of each semester until the student meets all SAP requirements specified in the Academic Plan.

If the appeal is DENIED, the student is not eligible to receive federal aid and must attend at his own expense.

The appeals decision is FINAL; there is no right to appeal to the Financial Aid. These appeals are generally based on mitigating circumstances.

Examples of mitigating circumstances may be defined as, prolonged illness, accidents that require hospitalization to the student or a close family member, death of an immediate family member, or other types of accidents or incidents.

The student must provide the following in order to appeal:

1. Complete a Financial Aid Appeal Form (located on our web page) http://www.sowela.edu/PageDisplay.asp?p1=2202
2. Submit a typed letter that includes all of the following:
   a. Why the student failed to make satisfactory academic progress.
   b. Why the student is appealing. Example: meeting a 2.0 GPA or 67% completion rate.
   c. What types of mitigating circumstances existed and documentation of the situation.
   d. What has changed in the student’s situation that will allow the student to demonstrate progress at the next SAP evaluation?
3. If it is clear that the student will be unable to meet SAP in one semester, he/she must also submit an Academic Plan (provided by the Academic Advisor).

*All appeals MUST have documentation that corresponds with the type of appeal the student is filing.*

If the appeal is approved, the institution has determined that the student should be able to meet the SAP standards by the end of the semester, the student will be placed on “Probation” and would be eligible for aid during the next semester. The student’s academic progress will be reviewed at the end of that semester. If, at the end of the semester, the student does NOT meet the SAP requirements, the student is no longer eligible for federal aid until the student attends at his own expense and meets all SAP requirements.

If the appeal (with an Academic Plan) is approved, the student will be placed on “Probation with Academic Plan”, meaning the student is eligible for aid as long as the student adheres to the Academic Plan. The Academic Plan requires 100% successful completion, no drops or withdrawals, and a specified GPA.

The student’s academic progress will be reviewed at the end of each semester until the student meets all SAP requirements specified in the Academic Plan.

If the appeal is DENIED, the student is not eligible to receive federal aid and must attend at his own expense.

The appeals decision is FINAL; therefore, a student may not appeal the decision.

RETURN OF TITLE IV FUNDS POLICY

ATTENTION SOWELA FINANCIAL AID RECIPIENTS: Class enrollment and attendance should be taken seriously, it is important to know and understand your class schedule and it is your responsibility to attend class. If you must resign from SOWELA you must do so officially.

If a student, who is disbursed Title IV financial assistance, withdraws or stops attending class on or before completing 60% of the semester in which the Title IV aid was disbursed, the following Return of Title IV Funds policy will be applied. SOWELA Technical Community College will apply the federal Return of Title IV Funds policy per the Higher Education Act of 1998. This policy will apply to any student who receives Title IV aid: Federal Pell Grant and the Supplemental Education Opportunity Grant (SEOG). This applies to any student receiving Title IV aid who officially withdraws, drops out, is suspended, takes an unapproved leave of absence (unofficial withdrawal), and/or does not attend ALL scheduled classes. The policy will also apply when a student is dropped from their classes by the instructor due to excessive absences.

The amount of Title IV Funds to return to the applicable federal programs will be determined, using the student’s last date of attendance and calculating the percentage of the enrollment period for which the student did not complete. Scheduled breaks of five or more consecutive days are excluded. SOWELA Technical Community College will return the lesser of the total of unearned aid or an amount equal to institutional charges multiplied by the percentage of unearned aid. SOWELA must return unearned funds within 45 days of the date of determination of the withdrawal date.

Failure to attend class or failure to resign properly could cause the student to receive a letter grade of “F” in all courses. In this case, the student would still be subject to the return of funds policy once a last date of attendance is established. Merely discontinuing class attendance is not considered to be a formal resignation from the college.

If student’s portion of unearned Title IV funds is a federal grant, the student will be required to
SOWELA Technical Community College

return no more than 50% of the amount received for the enrollment period. The student will be notified of the amount of money that must be repaid to SOWELA due to unearned funds that the school had the responsibility to return.

In the event of resignation, the SOWELA institutional refund policy will be applied and tuition will be reduced by that amount. The student may be liable for any Title IV funds disbursed to their account in excess of the amount allowed by federal regulations. The school will collect the portion of any assistance owed by the student. If no payment is received, holds will be placed on the student’s account and the student will lose eligibility for Title IV aid unless the overpayment is paid in full or satisfactory repayment arrangements are made.

Unearned funds are allocated to the Title IV programs from which the student received assistance, in the following order: Federal Pell Grant, and other Title IV programs.

After the institutional refund has been credited in this order, any remaining amount will be returned to the student.

TYPES OF AID AVAILABLE:

Federal Pell Grant
The Federal Pell Grant is considered gift-aid that does not have to be repaid, unless the student never begins attendance or withdraws from school and owes a refund. The amount the student receives depends not only on his/her financial need but, also, on the amount of other aid the student receives and the availability of funds. The individual amount of a student’s award is based on the availability of funds, hours enrolled and the student’s demonstrated financial need.

GO Grant
The GO Grant is a state grant that does not have to be repaid. The requirements include but are not limited to, a Louisiana residence, must be a Federal Pell Grant recipient and must be enrolled in a certificate or degree program. The GO Grant funding is limited and will be awarded on a first-come, first-served basis.

Taylor Opportunity Program for Students
The Taylor Opportunity Program for Student (TOPS) scholarship is awarded to graduating Louisiana high school seniors who have met certain academic requirements and have filed a Free Application for Federal Student Aid (FAFSA). The TOPS scholarship will only fund the tuition portion of institutional charges for two academic years. It does not cover the cost of books, supplies, and fees. TOPS recipients must enroll in an eligible school, as a full-time student, within one year after graduation from high school. To maintain eligibility, completion of 24 credit hours during the fall and spring semesters, with a minimum overall GPA of 2.5, and yearly submission of the FAFSA are required. For more information, please contact your high school counselor or the Louisiana Office of Student Financial Assistance (800) 259-5626, ext: 1012.

FSEOG Grant
The FSEOG Program provides need-based grants to help low-income undergraduate students finance the costs of postsecondary education. Priority is given to those students with exceptional need on a first-come, first-served basis. This grant does not have to be repaid, unless the student never begins attendance or withdraws from school and owes a refund. The amount of FSEOG a student receives depends not only on his/her financial need but, also, on the amount of other aid the student receives and the availability of funds. The individual amount of a student’s award is based on the availability of funds, hours enrolled and the student’s demonstrated financial need.

Scholarships
A number of SOWELA Foundation and institutional scholarships are available due to the generosity of local donors and supporters of SOWELA. A scholarship application may be completed online at http://www.sowela.edu/scholarships. Notices will be posted in the Financial Aid Office and throughout the campus when a specific scholarship becomes available. Departmental scholarship notices will be posted within the specific department.

Louisiana Rehabilitation
A person with a physical or mental disability severe enough to be considered a vocational handicap may qualify for financial assistance through Louisiana Rehabilitation Services. Students wishing to apply under this program should contact the local Louisiana Rehabilitation Office for assistance at 3616 Kirkman Street, Lake Charles, LA 70605, or call (337) 475-8038.

Workforce Investment Act (WIA)
WIA is a federally funded program that assists adults, dislocated workers, and youth (ages 14 – 21) by providing job training, education, and employment services. Interested individuals must participate in a three-step process (Core, Intensive, and Training), after which eligibility is determined by the WIA office. Services are subject to availability, but may include tuition, books, supplies, child care, transportation, etc. For more information contact the Workforce Center at 4250 5th Ave. Lake Charles, or by phone at (337) 475-4901.

HARDSHIP WAIVER OF TUITION AND FEES
The Hardship Waiver of Tuition and Fees Policy provides a tuition exemption to eligible Louisiana students for the increase in tuition along with the cost of the Academic Excellence Fee and the Operational Fee. Students must complete an application and meet all criteria in order to be eligible; application must be made each semester or session. The Hardship Waiver of Tuition and Fees Application can be found at the Financial Aid Office and in the offices of each academic department. The policy and the application can also be found on the Financial Aid page of the College’s web site.
INDEBTEDNESS TO THE INSTITUTION

Students who do not meet their financial obligations as scheduled are not permitted to continue attending classes. The College will not release a transcript or other information unless the financial account of the student is paid in full and the student is in good standing.

Fines and replacement fees will be assessed for overdue books and other materials borrowed from the library. For non-returned items, the cost of replacement will be charged to the student. Unpaid fines and replacement fees will be added to the student’s bill and will result in a hold being placed on the student’s records.

A non-sufficient fund fee (NSF) of $25.00 will be charged to students who write NSF checks to SOWELA. The amount owed, plus the $25.00 fee, must be paid in cash in the Business Office upon notification by the school.

The charge for each returned check is $25.00. If the check is written payable to SOWELA by a student or on his behalf and is returned to the College, that student will forfeit all check writing privileges with SOWELA in the future. Payment by cash, cashier’s check, money order, or credit card will be required. Putting a stop payment on a check will not constitute an official resignation from the College.

STATEMENT OF NON-DISCRIMINATION

SOWELA supports the Civil Rights Act of 1964, “Executive Order #11246, Title IX“ of the Educational Amendments of 1972”, “Section 504”, of the Rehabilitation Act of 1973, and the Americans with Disability Act. No person shall be excluded from participation in, denied the benefits of, or subjected to discrimination under any program or activity of the college on the basis of age, race, religion, color, sex, national origin, or disability. Any student who has a grievance related to discrimination should contact the Executive Director of Enrollment Management and Student Affairs or Designee.

STUDENT EDUCATIONAL RECORDS

A SOWELA student educational record includes all the documents required for admission to the College as well as electronic, digitized and paper documents related to registration, add/drop or withdrawal from classes, academic standing, attendance, appeals, credential completion, graduation and placement. Other documents related to enrollment may also be included. The security, maintenance and integrity of the student educational record is the responsibility of the registrar’s office.

The Nursing Department maintains records required for students to become certified by the Louisiana State Nursing Board. In addition to the documents required for admission to the College, a copy of the student’s driver’s license, social security card and an original birth certificate are maintained.

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA)

SOWELA intends to fully comply with the Family Educational Rights and Privacy Act (FERPA). This Act gives students the right to inspect and review their educational records, to request correction of inaccurate or misleading information, to authorize disclosure of educational records, and to file complaints with the U.S. Department of Education concerning alleged failure to comply with the act.

Student information will be released only upon the student’s written request or authorization.

To gain access to their educational records, students must submit a written request, available in the Registrar’s Office, which specifies the records that they wish to inspect. Access to records will ordinarily be provided within 24 hours of the student’s request.

If students believe that any information in their records is inaccurate, misleading, or in violation of their privacy rights, they may complete a Request to Amend Records form available in the Registrar’s office.

At the post-secondary level, parents have no inherent right to inspect a student’s educational record. The right to inspect is limited solely to the student.

Records or information may be given to parents only if the following conditions have been met:
1. Student signs a written consent. Consent forms are available in the Office of the Registrar.
2. Request is in connection with a health or safety issue.
3. Parent submits evidence that he/she claimed the student as a dependent on his/her most recent Federal Income Tax Form.

Students may not inspect or review the following: financial information submitted by their parents, non-employment, job placement, or education records containing information about more than one student (in which case the institution will permit access only to that part of the record which pertains to the inquiring student).

Directory Information may include a student’s:
- Name
- Local address/Phone number
- SOWELA e-mail address
- Date and place of birth
- Major field of study
- Full or part-time status

HARASSMENT/SEXUAL HARASSMENT POLICY

Harassment, including sexual harassment, is prohibited by the Equal Employment Opportunity Commission, the Office for Civil Rights, and state regulations (R.S.23:301,312,332), and therefore, it is the policy of the Louisiana Community and Technical College System Board of Supervisors and SOWELA Technical Community College that unlawful harassment of employees and students is prohibited.

Harassment is physical, verbal, and visual conduct that creates an intimidating, offensive, or hostile environment, which interferes with work/academic performance. This includes harassment because of race, sex, sexual orientation, religious creed, color, national origin, ancestry, disability or medical condition, age, or any other basis protected by federal, state or local law, ordinance or regulation.

Sexual Harassment is defined by the Equal Employment Opportunity Commission as: Unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature...when (1) submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment/academic success, (2) submission or rejection of such conduct by an individual is used as the basis for employment/academic decisions affecting such individual, or (3) such conduct has the purpose and effect of unreasonably interfering with an individual's work/academic performance
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SOWELA applies this definition to the areas of academic advancement, academic standing, or academic performance.

The workplace/academic harassment infringes on employee/student's rights to a comfortable work/academic environment and it is a form of misconduct that undermines the integrity of the employment/academic relationship. No employee/student, male or female, should be subjected to unsolicited and unwelcome overtures or conduct, either verbally, visually, physically, or electronically transmitted. Although this list is not all-inclusive, examples of conduct that is prohibited include:

- Taking any personnel/academic action on the basis of an employee/student’s submission to or refusal of sexual overtures
- Unwelcome or unwanted conversation
- Unwelcome or unwanted touching
- Continued or repeated verbal abuse of a sexual nature

Explicit or degrading verbal comments, suggestions, or slurs to or about another individual or his/her appearance
- Offensive comments regarding sexual or private matters
- Display of sexually suggestive pictures, objects
- Offensive jokes
- Verbal abuse, comments, names, or slurs that in any way relate to an individual’s race, color, sex, sexual orientation, age, religion, national origin, or disability
- Any other offensive or abusive physical, visual or verbal conduct

This policy applies to all members of the LCTCS Board of Supervisors, employees, students, supervisors, managers, faculty, vendors, and all other individuals doing business with SOWELA. It is the policy of SOWELA that no member of the SOWELA community may harass another. This includes harassment of an employee by another employee, of a student by an employee, of an employee by a student, of a student by another student. Additionally, under appropriate circumstances, SOWELA may take action to protect its employees and students from harassment, on SOWELA property, or at SOWELA sponsored events, by individuals who are not students or employees of SOWELA. A complaint of harassment should be presented promptly as possible after the alleged harassment occurs. Any employee who believes he/she is the subject of harassment or who has knowledge of harassing behavior must report such conduct to his/her direct supervisor, and the institution's human resource department. SOWELA has developed a system of recording all formal written complaints to be submitted and kept on file in the office of Human Resources.

Students who have problems, questions, and grievances can discuss these with a SOWELA counselor. Some college officials or faculty members can assist in counseling for sexual harassment problems. Throughout the counseling process, information divulged is held in the strictest confidence and no information is released unless the complainant agrees to inform a third party who can facilitate a solution. Any students inquiring about a complaint or concern can seek the advice of a SOWELA faculty/staff member, and the faculty/staff member can accompany the student to discussions with the designated officer, advisor, or counselor. A formal charge is not made by merely discussing the complaint, and no repercussions/reprimands are issued for initiating a complaint. However, the college is also obligated to protect the rights of a person(s) against whom a complaint is lodged. Efforts are made to resolve issues in a reasonable amount of time.

Any student who believes he/she is the subject of harassment or who has knowledge of harassing behavior must report such conduct to the Director of Enrollment Management and Student Affairs or Designee. He/she also may submit a complaint to the Chancellor. No student or employee is required to report or make a complaint of harassment to the person who is allegedly engaging in the problematic conduct. In the event that an individual feels uncomfortable making a complaint at the institutional level, such complaints may be made at the system level with the LCCTC Director of Human Resources. Louisana Community and Technical College System, 265 South Foster Drive, Baton Rouge, LA 70806. The phone number is (225) 219-8700.

Employee complaints of harassment should be reported to:

Director of Human Resources
Human Resources Office, Administration Building Suite 1104; Phone: (337) 421-6510.

Student complaints of harassment should be reported to:

Director of Student Support Services
Computer Technology Building-Student Success Center; Phone: (337) 421-6974.

Appeal:

- The complainant selects one committee member; and
- The person named in the complaint selects a member.
- Only full-time, permanent employees can serve on the Committee of Review. The composition of the Committee of Review may include faculty, staff, or a combination of both.
- Committee of Review thoroughly investigates the complaint of sexual harassment and conducts a hearing. Involved parties are informed of the date and time of the hearing by certified mail, return receipt requested, at least three days prior to the scheduled hearing. An accused faculty member is given notice pursuant to “Section 212” of the Policy Manual and relevant sections of the Policy Manual and SOWELA statutes. A hearing is conducted pursuant to procedures established by the Committee of Review and in compliance with the policy.
- Committee presents its findings, along with any pertinent information, to the Chancellor for further dispensation, which usually takes place.
Within 10 working days after the conclusion of the hearing, the Chancellor renders a final decision and notifies the involved parties within a reasonable period of time.

**SEXUAL ASSAULT POLICY**

**Emergency Phone Number (337) 274-9790**

When reporting a sexual assault, confidentiality is vital. Sexual assault is an act of violence in which a person subjects a victim to contact of a sexual nature against the victim’s will - is an illegal act on the SOWELA campus. Sexual assault includes rape, assault to commit rape, sexual battery, aggravated sexual battery, object rape, statutory rape, sodomy, aggravated sodomy, public indecency, and stalking. Sexual assault, in its various forms, is defined under Louisiana law.

**Procedures**

1. Students should immediately report incidents of sexual assault to the SOWELA Safety Coordinator.

2. The Safety Coordinator will write an incident report and notify the Dean of Instruction.

3. Students will be assisted in seeking counseling and follow-up medical care, addressing academic concerns, and reporting incidents to the appropriate authorities. It is crucial that a victim receive prompt medical attention. For medical and counseling services, contact the Louisiana Rape Crisis Center 24-hour crisis line at (800) 656-HOPE (4673).

4. A victim of sexual assault should preserve any evidence that can be used to prove an occurrence of sexual assault. Victims are advised to consult law enforcement officials before showering, bathing, changing, or laundering clothing worn during an assault. Even if a victim bathes, showers, or somehow compromises evidence, the victim should report the assault. Valuable information can still be obtained and an investigation conducted from remaining evidence taken from a victim’s person.

5. After a sexual assault is reported, campus personnel should take reasonable and necessary steps to secure the crime scene and protect the victim.

6. SOWELA offers a victim advice, assistance, or representation at campus disciplinary proceedings, the same as offered to the accused.

**Rights of the Accused**

1. The accused has the right to have the alleged sexual assault(s) investigated and adjudicated by the duly constituted criminal and civil authorities of the governmental jurisdiction where the alleged incident(s) occurred; and to full and prompt cooperation and assistance of campus personnel in notifying the proper authorities. Campus disciplinary proceedings are held in addition to these procedures.

2. SOWELA offers the accused advice, assistance, or representation at campus disciplinary proceedings, the same as offered to the victim.

3. The accused is notified of the outcome of the disciplinary proceedings.

4. The accused receives full and prompt cooperation from campus personnel in obtaining, securing, and maintaining evidence that may disprove the occurrence of criminal sexual assault in subsequent legal proceedings.

5. The accused is provided information regarding counseling.

**STUDENT CONDUCT POLICY**

Students, as members of the SOWELA college community, are expected to conduct themselves at all times in a manner that reflects respect for the rights of others and an appreciation of a diverse population. Behavior that interferes with the learning process, is discriminatory, or is derogatory in nature will not be tolerated. Students should understand and exercise their rights, meet their responsibilities, and allow other students to enjoy the same privileges. The college maintains an academic environment for all without denying opportunities to any, and being unfamiliar with SOWELA policies and procedures does not excuse a student from acting responsibly. (See also Student Conduct Code Section)

In an educational environment, each instructor has the responsibility to maintain a classroom climate conducive to student learning. The instructor also has the authority to temporarily dismiss from class a student that disrupts that climate or interferes with the rights of other members to learn. The instructor does have an obligation to make students aware of rules for the class and to inform students if they are violating any class rules. A disruptive student may be required to attend a session mediated by a counselor before returning to the class. Extended or permanent exclusion from the classroom can be achieved only through appropriate procedures of the College.

The Chancellor or his designated representative may suspend or expel a student for violation of school rules or for conduct that is disruptive of the educational process. The disciplinary action shall be taken in accordance with the procedure provided for in this section.

**SUSPENSION**

A student at SOWELA may be suspended for up to ten days by the Chancellor or his representative without the necessity of a formal due process hearing. Prior to the suspension, however, the student shall be advised by the Chancellor or his representative of the particular conduct of which he/she is accused, as well as the basis for the accusation. The student is given the opportunity to explain his/her version of the events to the Chancellor or his representative. After giving the student this chance to respond to the charges, the student may be given the opportunity to present his/her case.

Or, if satisfied that sufficient information has been obtained, the Chancellor or his representative may take appropriate disciplinary action without exceeding a ten day suspension.
The Chancellor or his representative should document the circumstances involved in the action taken, along with the explanation given by the student, and prepare a written memorandum for the school’s files.

EXPULSION

No student shall be expelled for disciplinary reasons or suspended for more than ten days without being offered the opportunity for a due process hearing on the charges made against him/her. If the Chancellor learns of charges against a student which, if proved true, might necessitate expulsion, the Chancellor shall offer the student an opportunity to participate in a hearing on the charges. The student may be suspended from appearing on the school premises until the time of the due process hearing; however, every effort should be made to provide for a prompt scheduling of the due process hearing.

At the due process hearing, the student may bring such witnesses as he/she desires to testify on his/her behalf on any matter pertinent to the allegations against him/her. He/she may introduce pertinent evidence, may cross-examine any witness against him/her, and may have representation by legal counsel or such other person as he/she desires to act on his/her behalf.

Upon completion of the due process hearing, the Chancellor or his representative shall make a determination as to the disciplinary action to be taken as soon as possible and shall so inform the student of the action to be taken and the reasons why disciplinary action is being taken.

No hearing shall be required for terminating a student’s enrollment for failure to meet the school’s attendance requirements.

STUDENT GRIEVANCE POLICY

The purpose of this grievance policy is to provide an orderly and efficient method by which students may air and resolve their complaints about the conditions and policies at SOWELA.

The College defines a legitimate grievance as a circumstance that can be substantiated and is regarded by the student as a just cause for complaint. A grievance can be relevant to any incident involving another student, classroom instructor, faculty advisor, intern supervisor, administrator, or faculty member in the College. A grievance may deal with academic issues or other circumstances involving alleged unfair or irresponsible behavior including violations of department or college policies. To file an academic appeal see section Academic Appeal Procedure under the Academic Policies.

Procedures Used to Initiate a Grievance

Step 1: Informal Processes – Within Five (5) Working Days of Occurrence

The College encourages students to make every effort to resolve their problems and concerns directly and informally with the faculty or other involved parties. Discussions among the involved parties (including the School Dean when appropriate) constitute the first step in the informal process. In some cases, the student may wish to discuss the problem initially with the Student Success Counselor and/or the Director of Student Support Services.

Step 2: Formal Procedures – Appeal to Grievance Committee

If, after utilizing the procedures outlined in Step 1, the student’s problem is not resolved, the student has a right to appeal within ten working days following the decision rendered by the School Dean. If a Grievance Committee is not established, the Executive Director of Enrollment Management and Student Affairs or Designee will appoint an ad hoc panel to conduct a hearing. The ad hoc panel will consist of five members, two of whom are students. The ad hoc panel will be selected from a pool of faculty, staff, and students in the standing Student Grievance Committee appointed by the Executive Director of Enrollment Management and Student Affairs or Designee which consists of at least three faculty members, two staff members and at least four students. The chair of the ad hoc panel will be appointed by the Executive Director of Enrollment Management and Student Affairs or Designee and will conduct the hearing according to the Guidelines for the Conduct of Student Grievance Hearings. After the hearing, the ad hoc panel will meet in closed session to determine its recommendations. The recommendations of the ad hoc panel or the Grievance Committee will be forwarded to the Executive Director of Enrollment Management and Student Affairs and the Vice Chancellor of Academic Affairs. The ad hoc committee chair will inform the student of the decision.

GUIDELINES FOR CONDUCTING FOR- MAL STUDENT GRIEVANCE HEARINGS AT THE COLLEGE LEVEL:

A copy of the Student Grievance Form filed by the student will be forwarded to the department(s)/school(s) and parties involved by the Director of Student Support Services.

- Within five (5) days of receipt of the student’s grievance form, the department(s)/school(s) will submit any prior responses to the student’s complaint, a list of any witnesses it anticipates involving in the hearing, and copies of any documents to be used at the hearing. Similarly, within ten (10) class days of filing the grievance form, the student will submit a list of any witnesses and copies of any documents the student anticipates involving in the hearing. Each party will receive a copy of the materials and list of witnesses submitted by the other party.

- If a standing Grievance Committee is not established, an ad hoc panel will be appointed by the Executive Director of Enrollment Management and Student Affairs. The panel members will be selected from the pool of members on the College Student Grievance Committee and will consist of five members, two of which will be students. The Executive Director of Enrollment Management and Student Affairs or designee will appoint the chair. The department(s)/school(s) and the student will be notified of the membership of the panel within five (5) working days of receipt of the student’s grievance form. Either party has five (5) class days to request that panel member(s) be disqualified for bias. The Executive Director of Enrollment Management and Student Affairs will consider such requests and make a final decision regarding membership of the panel.

- The Director of Student Support Services and/or the School Dean will forward all materials to the hearing panel and will schedule an evidentiary hearing within ten (10) working days of receipt of all written information. All parties involved will be notified as to date, time, and location of the hearing.

- The Grievance Officer will serve as hearing officer and conduct the hearing utilizing the following format:
  1. The petitioner and the respondent will each provide a brief opening statement.
  2. Each party will make a presentation of position and evidence, beginning with the petitioner. Witnesses may be called at this time. Questioning will be restricted to members of the hearing panel and the hearing officer. Questions by the involved parties to the witnesses will be addressed through the hearing officer.
  3. Each party will have the opportunity for rebuttal during which additional evidence may be introduced to refute points made by the other party.
  4. Each party will make a brief summary statement.

- Attendance at evidentiary hearings is
limited to the hearing officer, panel members, the petitioner, the respondent, and their respective witnesses. Witnesses may be present only during their own testimony.

- After the hearing the panel will meet in closed session to determine its recommendations that will be forwarded to the Executive Director of Enrollment Management and Student Affairs. The written recommendations will include a finding of facts regarding the incident and application of College policy. The Executive Director of Enrollment Management and Student Affairs will inform all parties of a decision within five (5) class days after the hearing.

**Step 3: Student – Appeal to the Chancellor**

If the grievant or the party or parties against whom the grievance is addressed desire to appeal a decision of a Student Grievance Committee, he or she must deliver a written request for such appeal to the Chancellor within three (3) working days of receipt of the Committee’s decision. A request should describe in detail all reasons or bases upon which the grievant or the party contends the decision of the Student Grievance Committee is erroneous. The Chancellor shall have the authority to affirm, remand, modify, or reverse the decision or the findings of the Committee. Within approximately twenty (20) working days of receiving the written request, the Chancellor shall send the grievant and the party or parties against whom the grievance has been filed and be addressed to:

Executive Assistant to the President
Board of Supervisors
265 South Foster Drive, Baton Rouge, LA 70806-4104
(Via certified mail).

The Board of Supervisors shall render a written disposition of the grievance appeal within twenty (20) school days from the date of the appeal hearing unless all parties agree to an extension. The decision of the Board of Supervisors may be appealed to judiciary courts or the grievant may request resolution by contacting the College’s accrediting agency at the following address:

Executive Director
Council on Occupational Education
7840 Roswell Road, Building 300, Suite 325
Atlanta, Georgia 30350

**Step 4: Student – Appeal to the Louisiana Community and Technical College System (LCTCS) Board of Supervisors**

To initiate this final step of the grievance process, a grievant or the party or parties against whom the grievance has been filed who is not satisfied with the determination made by the Chancellor may appeal the ruling to the full Board of Supervisors. In order to be considered, the appeal must be made in writing within fifteen (15) working days after the date the Chancellor’s determination is mailed to the grievant or the party or parties against whom the grievance has been filed and be addressed to:

Executive Assistant to the President
Board of Supervisors
7840 Roswell Road, Building 300, Suite 325
Atlanta, Georgia 30350

The following policies have been adopted to comply with the requirements of the Campus Security Act (PL 101-542):

1. In the event that students, faculty, or staff members witness or discover a criminal/illegal activity, they should first notify campus police. A report will be written and kept on file, with action taken as needed.
2. Records shall also be maintained of any illegal acts which occur during any off-campus school-sponsored activities.
3. Campus crime statistics are made available by the Office of Facilities.

**STUDENT PROHIBITIONS/ FIREARMS POLICY**

The following are not allowed on SOWELA’S campus: alcoholic beverages, narcotics, other controlled substances, fireworks, and gambling.

Carrying a firearm or any dangerous weapon on the SOWELA campus, or at any school function, is also prohibited as defined in R.S. 14:95.2.

**ALCOHOL AND DRUG POLICY**

SOWELA is committed to providing a drug-free environment for students, visitors, and employees. SOWELA prohibits unlawful possession, use, or sale of any alcoholic beverage or controlled dangerous substance.

Any person who violates the school policy will be subject to disciplinary action, up to and including termination of employment or enrollment. Violations are subject to referral to the appropriate authorities for prosecution. The revocation of federal licenses and benefits, such as public housing tenancy or pilot licenses, etc., rests with authorities of the individual federal agencies. Students, visitors, and employees are expected to adhere to all federal, state, and local laws and ordinances concerning illicit drug violations. SOWELA will make every effort to keep a copy of the current laws and ordinances on file in the Administration office.

Each new student is provided the following information during orientation:

- Policy of maintaining a drug-free workplace and campus.
- Statement that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited on campus property or as part of any of its activities.
- Description of health risks associated with the use of illegal drugs and the abuse of alcohol.
- A clear statement that the institution will impose disciplinary sanctions on students (consistent with local, state, and federal law) and a description of those sanctions, up to and including expulsion and referral for prosecution when appropriate.
Drug Free Schools and Communities Act

The Drug Free Schools and Communities Act Amendment of 1989 (Public Law 101-226) requires the college to remit certification to the Department of Education that it has adopted and implemented a program to prevent illicit use of drugs and abuse of alcohol by its students and employees. The program includes:

1. Standards of conduct concerning the unlawful possession, use, or distribution of drugs; and the illegal use of alcohol by students and employees on college property or at any college activity
2. A description of the legal sanctions for violating the law
3. A clear statement of the college’s sanctions issued for the commission of these types of violations
4. A description of any drug and alcohol counseling, treatment, or rehabilitation services offered at SOWELA
5. A description of the health risks associated with the use of illicit drugs and abuse of alcohol

The information below complies with the requirements of the act.

Statement of Purpose

Alcohol abuse is a major issue in the community and on college campuses. Use of alcohol or drugs can lead to physical abuse, date rape, auto accidents, violence, health issues and other self-destructive behaviors.

SOWELA Technical Community College complies with state, federal, and local laws pertaining to alcohol and enforces undergraduate drinking laws. SOWELA policy prohibits the consumption, possession, or distribution of alcoholic beverages and disciplines individuals under the influence of any controlled substance while on college property or participating in college-sponsored trips or activities. The use, possession, or distribution of illegal drugs or being under the influence of a controlled substance is strictly prohibited on college property or while participating in college-sponsored events.

College Sanctions

Disciplinary actions are taken for the commission of violations pertaining to the SOWELA drug policy by any student, faculty, or staff. Depending on the nature of the offense, disciplinary action takes the form of a written reprimand, a suspension, a demotion, a reduction in pay, or termination of affiliation with SOWELA. Disciplinary actions for students are issued in accordance to school policies. Examples of sanctions include warnings, probation, exclusion, restitution, suspension of privileges, community service, termination of employment and/or expulsion/suspension from the college.

Legal Sanctions

It is unlawful in Louisiana to produce, manufacture, distribute, dispense, or possess illegal drugs. The most common illegal drugs on college campuses are marijuana, opium derivatives, hallucinogens, depressants, cocaine, cocaine derivatives, and amphetamines. The Criminal Code of Louisiana carries specific penalties for the possession and use of illegal drugs. It is also unlawful in Louisiana for anyone under 21 years of age to purchase/possess alcoholic beverages for any reason or anywhere open to the public.

Controlled Dangerous Substances Sch I–Sch IV (R.S. 40:981.3)

It is unlawful to possess, sell, distribute, or manufacture drugs listed in the statute. The drugs include, but are not limited to, marijuana, cocaine, “crack” cocaine, methamphetamines, heroine, “rushi” LSD, “ruthies,” and prescription drugs without having obtained a prescription from a licensed physician. Persons found guilty of one of these drug violations are subject to a fine of not less than $500, may be imprisoned at hard labor for up to 30 years; or, if found selling illegal drugs on campus, can be imprisoned at hard labor for up to 45 years.

Effects of Alcohol and Drug Use

Alcohol consumption causes marked changes in behavior. Even low doses significantly impair the judgment and coordination required to drive a car safely, increasing the likelihood that the driver will be involved in an accident. Low to moderate doses also increase the incidence of various aggressive acts, including spouse and child abuse. Moderate to high doses cause marked impairments and higher mental functions, severely altering one’s ability to learn and remember information.

Very high doses cause respiratory depression and death. Combined with other depressants of the central nervous system, much lower doses of alcohol produce the same effects. Repeated use of alcohol intake is likely to produce withdrawal symptoms, including severe anxiety, tremors, hallucinations, and convulsions. Alcohol withdrawal can be life-threatening.

Long-term alcohol consumption in large quantities, particularly if combined with poor nutrition, can also lead to permanent damage to vital organs such as the liver and brain. Mothers who drink alcohol during pregnancy may give birth to infants with fetal alcohol syndrome, irreversible physical abnormalities and mental retardation. Research shows that children of alcoholic parents are at greater risk than others of becoming alcoholics.

Marijuana usage negatively affects physical and mental processes; it can produce paranoia, impair short-term memory and comprehension, and alter one’s sense of time. Research indicates marijuana smoke contains more cancer causing agents than tobacco smoke.

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Cocaine stimulates the central nervous system; produces psychological and physical dependence; crack is very addictive. Effects include dilated pupils, increased pulse and elevated blood pressure, loss of appetite, hallucinations, paranoia, and seizures. Use of cocaine can cause death by cardiac arrest or respiratory failure.

For more details on other substances, please see SOWELA website Counseling Resources.

TOLL FREE INFORMATION

Substance Abuse Helpline: 1-800-662-HELP(4357)

Narcotics Anonymous (Lake Charles): (337) 439-5753

Lake Charles Office of Behavioral Health: (337) 475-8022

Calcasieu Parish Sheriff’s Office:

Non-emergency: (337) 491-3600
Emergency: 911

National Council on Alcohol and Drug Dependency: 1-800-NCA-CALL (622-2255) for referrals to local treatment facilities.


SEARCH AND SEIZURE

Lockers and desks are the property of SOWELA. As the property of the school, they are subject to search for any contraband at any time, upon the reasonable belief of the Chancellor that the lockers and/or desks may contain material which is not allowed on the school campus. Bringing a tool box or book bag and operating a motor vehicle on campus are privileges granted to students. The granting of these privileges is conditional upon the consent of the students to a search by the school administration of tool boxes, book bags and/or motor vehicles to determine...
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SAFETY

At SOWELA, the safety of students, personnel, and visitors is of great importance. The college assumes the primary role of providing a safe atmosphere in which to work and study. Campus Police are available between the hours of 6:00 a.m. and 9:30 p.m., Monday through Friday.

Students and employees should contribute to the safe atmosphere by assuming their own responsibility for safety. Every attempt shall be made to reduce the possibility of accidents; therefore, the teaching of safe practices shall be integrated into the curriculum of all programs.

Each student should be alert to prevent injury to herself/himself and to others. Students should avoid damaging equipment, tools, and buildings. All safety practices should be followed at all times in the operation of equipment. Instructors will provide specific rules for each program area. Students should not operate machines or equipment on which they have not received instruction. Students may work in the shop areas only under instructor supervision. Visiting from shop to shop will not be permitted.

In case of sickness or minor accidents, students should first inform the instructor. Appropriate first-aid treatment will be provided. If necessary, the school will telephone an emergency contact to come to the school for the injured or sick student. No emergency or sick room is maintained at the school. A first-aid kit is located in each department or school.

In case of a serious accident, notify emergency personnel at (337) 274-9790 or (337) 421-6535, an ambulance may be summoned. Personnel in charge at the time of the accident will make that determination. All medical expenses are the responsibility of the student.

The Director of Facilities and safety coordinator shall be consulted in all safety/accident situations.

Tobacco-Free Campus

To the extent permitted by State law, all faculty, staff, students, visitors, vendors, contractors, and all others are prohibited from using any tobacco products (cigarettes, cigars, smokeless tobacco, snuff, chewing tobacco, electronic cigarettes, etc.) while on the property of SOWELA Technical Community College.

The use of tobacco products is prohibited at all times as follows:

1. In all interior space on SOWELA Technical Community College’s main campus and all satellite locations;
2. On all outside property or grounds of SOWELA Technical Community College campus;
3. In all SOWELA Technical Community College vehicles;
4. In all indoor and outdoor athletic facilities;

All tobacco industry promotions, advertising, marketing, and distribution in any format are prohibited on campus properties and for campus activities as well as direct funding from tobacco companies for such programs.

The sampling and/or sale of tobacco products and tobacco related merchandise (including logo containing items) is prohibited on all college property and at college and student organization/group sponsored events, regardless of the operating vendor.

Organizers and attendees at campus events such as, but not limited to, conferences, meetings, lectures, social events, cultural events, etc. using SOWELA Technical Community College facilities will be required to abide by the tobacco-free policy and procedures. Offices responsible for reserving facilities shall be responsible for informing organizers of events. Organizers of such events are responsible for communicating the policy to attendees and for enforcing this policy.

Littering the campus with the remains of tobacco products or any other disposable product is prohibited.

Penalties for violations to the policy are:

a. Students
   1st offense - Verbal warning and reminder that SOWELA is a tobacco-free campus
   2nd offense - $30 ticket or 3 hours of campus service
   3rd offense - Student is required to meet with the Student Grievance Committee for violation and additional disciplinary sanctions

b. Faculty/Staff
   Any faculty or staff member who violate the Tobacco-Free Campus policy will be referred to their immediate supervisor for penalties. SOWELA Technical Community College employees who violate this policy will be informed that they may be asked to leave the premises.

c. Non-SOWELA Technical Community College Employees
   Visitors, vendors, contractors, and others not specifically employed by SOWELA Technical Community College will be reported to the department or school responsible for their presence on campus. In circumstances, where departmental or school leadership is unable to remedy the situation, then the SOWELA Technical Community College Facilities/Security Department will be contacted for assistance. Non-SOWELA Technical Community College employees who violate this policy will be informed that they may be asked to leave the premises. Vendors and contractors may be subject to action, up to and including, the legal termination of a contract.
SOLICITATIONS
No one is permitted to solicit money from the student body for any cause unless permission is granted by the school administration.

TELEPHONE
As a courtesy to students and instructors, beepers, pagers, and cell phones must be turned off or set in vibrate mode when in classrooms, labs or shop areas.

TRAFFIC AND PARKING
The speed limit is 15 miles per hour on the campus, with two-way traffic lanes. Students are to park in designated areas. Students should not park in spaces for Faculty/Staff during day-time classes. During night-time classes, after 5:00 p.m., students may park in Faculty/Staff spaces. Parking rules for parking in Handicap and Fire Zones will still be enforced. Students should not park in spaces for Visitors and should not park in driveways or exits. Campus police will handout parking tickets for parking violations.

Those coming to SOWELA to take tests should park in designated Visitor’s Parking areas.

Handicapped parking is provided with DMV Handicapped Tags. If you should have a temporary disability contact the Director of Facilities for Handicapped Tags. If you should have a temporary disability, call (337) 274-9790.

Students indebted to the College will not receive official transcripts and will not be able to register for school until all fines are paid.

Parking violation fines are as follows:
- $15.00 - Faculty Parking
- $20.00 - No Parking Tag
- $20.00 - Expiring Parking Tag
- $50.00 - Handicapped Parking
- $25.00 - Fire Lane
- $10.00 - Lawn/Sidewalk
- $25.00 - No Parking Zone
- $10.00 - Blocking Driveway/Vehicle
- $10.00 - Reserved Space
- $20.00 - Failure to Obey Officer
- $30.00 - Wheel Boot Fee

TEXTBOOKS
Textbooks and supplies may be purchased/rented from SOWELA’s bookstore by visiting http://sowela.tbcOnCourse.com. Students may also utilize other online or on-ground bookstores if they choose. For a list of textbooks visit our website at http://www.sowela.edu. Under Academics, you’ll see the link for Textbook List.

LIBRARY AND LEARNING RESOURCE CENTER
The Library and Learning Resource Center (LLRC) is a comprehensive academic library which supports teaching and learning through its many resources and services. It is located in the

ARTS & HUMANITIES BUILDING and is open Monday through Friday. The facility includes 48 public computers, printers, photocopier, four private group study rooms and individual study carrels. A separate library instruction classroom/computer lab offers 38 additional computers with linked printers.

Books, periodicals and audio visual materials are accessible on open shelves which allow users the opportunity to browse and select materials themselves. Collections are arranged by Library of Congress Classification. Individuals with a current SOWELA identification card may borrow materials at the Circulation Desk. The loan period, for most items, is 28 days with the option to renew. Overdue fines are charged at 25 cents per item per day. Also at the Circulation Desk, patrons may acquire a free LALINC Card to borrow materials from participating Louisiana college and university libraries.

Through the library’s web page, patrons may connect to online tutorials, ebooks, full-text e-journals, digital photos, maps, and numerous reference sources. Authorized students, faculty, and staff have off-campus, 24/7 access to these digital resources. Professional librarians and trained staff are available to assist patrons individually or to conduct group instruction. For assistance, e-mail sowelalibrary@sowela.edu or call (337) 421-6530.

SOWELA MORGAN SMITH LIBRARY/ JENNINGS
The Library is open Monday through Friday, twenty-five hours per week. Assistance is provided by one paraprofessional. There are 16 public computers and two printers. Students and faculty have access to materials at the main library through a campus courier service and access to the same online materials and tutorials. For assistance, call (337) 616-9384.

INFORMATION TECHNOLOGY
The Information Technology Department is committed to providing the highest quality of services to assist with the information technology needs of the college community. We provide students, faculty and staff with the necessary computer-related technical support.

For assistance with an information technology problem, please e-mail help@sowela.edu or call the IT Help Desk at (337) 421-6520. Please include your full name, a description of the problem, and contact information. Students should also include their student ID numbers and birthdates.

CENTER OF EXCELLENCE IN INSTRUCTIONAL TECHNOLOGY (CEIT)
CEIT is designed to provide support to faculty and staff as they undertake new instructional ventures and learn to use new strategies, techniques, software, and technology in the delivery of instruction in traditional, online, hybrid, or telecourse formats. CEIT provides services which include professional development and instructional design support for the faculty in a myriad of educational technologies. The CEIT staff may also provide guidance to faculty and chairs in determining what technology resources fit best with their particular courses and curricula.

eLEARNING
SOWELA offers electronic courses in two basic formats: online and hybrid courses. Web-enhanced classes are taught in a traditional face-to-face format but make use of a supplemental online site. Both the online and hybrid courses offer one to four semes-
SOWELA Technical Community College

SOWELA uses the Canvas LMS by Instructure. Students have a variety of Canvas help sources available to them, including an online tutorial (required for students taking online or hybrid classes) and the Canvas Help Desk (link provided within the course site). Students should include a full description of the problems they are experiencing or the help that they need, as well as their full names, student ID numbers, full birthdates, and contact information. Students can also call the SOWELA help desk at (337) 421-6520.

A few web class facts:
- Web classes are not for everyone. A certain measure of self-discipline is required of students to follow a schedule and get their work in on time without being verbally reminded by the teacher to do so.
- Web classes allow flexibility for students, parents and working folks because they are not tied down to attending class at a specific time on specific days. However, students still must meet deadlines for various assignments and tests scheduled throughout the semester.
- Web classes are not necessarily easier. In some cases, they are more rigorous than face-to-face classes. Deadlines still must be met. The “lecture” element is not necessarily used in this format, and often more individual and group projects are assigned.
- Web classes still require “attendance” – not in the usual sense – but students still must check their e-mail every day and should log in to the course site at least three times a week, preferably every day, to check for announcements, postings, and updates. Students must also communicate regularly (via e-mail or in-course site messaging system) with their online instructor(s).
- Web classes require the same amount of “seat time” per credit hour as face-to-face classes – at least 15 hours of coursework, per credit hour, per semester.

To access SOWELA online classes, students should visit the SOWELA website at http://www.sowela.edu and click on the “Quick Links” link, then choose the SOWELA Canvas Login option. Additional and up-to-date information about Canvas, SOWELA and LCTCOnline classes, student email, and other technology-related topics can be found in the eLearning area of the SOWELA website, under the “Resources” area, or at http://www.sowela.edu/resources/eLearning.

Student E-mail:
E-mail is a mechanism for official communication within SOWELA Technical Community College. The College has the right to expect that such communications will be received and read in a timely fashion. Official e-mail communications are intended only to meet the academic and administrative needs of the campus community.

Official College e-mail accounts are available for all enrolled students. The usernames for email accounts are the same as those for LoLA and administrative accounts, and generally follow the following format: firstnamelastname@student.sowela.edu (e.g., johndoe@students.sowela.edu.)

Students are expected to check their e-mail on a frequent and consistent basis in order to stay current with College-related communications. Students have the responsibility to recognize that certain communications may be time-critical. “I didn’t check my e-mail,” an error in forwarding mail, or e-mail returned to the College with “Mailbox Full” or “User Unknown” are not acceptable excuses for missing official College communications via e-mail.

Users should exercise extreme caution in using e-mail to communicate confidential or sensitive matters, and should not assume that e-mail is private and confidential. Students should never include their Social Security numbers or personal passwords in e-mail correspondence. It is especially important that users are careful to send messages only to the intended recipient(s). Particular care should be taken when using the “reply” command during e-mail correspondence.

Faculty will determine how electronic forms of communication (e.g., e-mail) will be used in their classes, and will specify their requirements in the course syllabus.

INTELLECTUAL PROPERTY & SHARED ROYALTIES POLICY
SOWELA Technical Community College recognizes the need for and desirability of academic research. The primary purpose of this policy is to provide the necessary protections and incentives to encourage both the discovery and development of new knowledge and its transfer for public benefit; a secondary purpose is to enhance the generation of revenue for the College and the creators.

SOWELA is committed to assist its faculty and other researchers in properly disclosing their scholarly work, in complying with applicable laws and formal agreements, and in gaining the protection available under the United States laws governing patents, copyrights, trademarks, and other appropriate provisions.

In order to review the full policy for objectives, definition/background, rights to ownership/disclosures, organization/management/administration and proceeds distribution, please refer to SOWELA’s web site. Look under “General Policies” found on the Student Life page.
ACADEMIC LOAD

Full time students are those who are registered for a least twelve (12) semester credit hours during the fall and spring semesters and at least six (6) semester credit hours during the summer session.

Students will be allowed to enroll for a maximum of nineteen (19) semester credit hours in the fall and spring semesters and ten (10) semester credit hours in the summer session. Only with the written recommendation of the School Dean and approval from the Dean of Instruction is a student permitted to exceed those limits.

Semester credit hours earned from enrollment in alternative delivery systems (e-learning courses, independent study, etc.) are included in the above enrollment figures.

STUDENT RECORDS

Permanent student records are maintained by the Office of the Registrar. All student records are confidential. Students who wish to review their records may do so through the Office of the Registrar. Documents submitted by the student (from another institution or any other third party) become our property and will not be given back to, or copied for, the student.

Students are expected to notify the Registrar’s Office of all changes in their legal name, permanent address, and/or telephone number. A copy of legal records should be submitted to document a name change. The College is not responsible for a student’s failure to receive official information due to an incorrect name or address.

CHANGE OF MAJOR/PROGRAM

Each student should discuss academic goals and programs with his/her academic advisor. When it is necessary for a student to change his/her major or program, that student must go to the Registrar’s Office for processing. The change will become effective the semester following the submission of the request.

A student may transfer from one program to another provided the student meets the requirements that are in the current catalog for the new program. The Registrar approves the change of major and makes the necessary adjustments in the Student Information System. All applicable credit earned will transfer to the new program.

CURRICULUM AND CATALOG REVISIONS

The catalog is published periodically. The provisions of this catalog are not to be regarded as an irrevocable contract between the student and SOWELA Technical Community College. Normally, a student may expect to be graduated under the requirements published in the catalog year in which he/she was officially accepted into a specific program; however, the College does reserve the right to make and designate the effective date of changes in curriculum, course offerings, fees and other regulations if such changes are considered to be desirable or necessary.

If changes are made in curriculum, courses, and/or other requirements, the changes may be applied to students already enrolled provided those changes do not increase the number of hours needed to complete a program of study and to receive a degree/diploma. If a program of study is revised, the changes are not applied to the students already enrolled, a student may voluntarily elect to follow the new requirements; however, the total credit hours required for graduation could be increased. A change in major or program of study will require the student to meet the requirements specified in the catalog published at the time of the change. Always consult the on-line catalog for the most current, officially approved courses and curricula.

GENERAL EDUCATION REQUIREMENTS

In accordance with the policies established by the Louisiana Board of Regents, the LCTCS Board of Supervisors, and the SACSCOC, SOWELA requires that graduates of degree programs must demonstrate competency in general education. To fulfill the General Education Core Requirement, students must complete the minimum hours of coursework as indicated by their respective degree plans.

Minimum Semester Hours of General Education Required for AAS, AGS, AALT and ASLT Degrees.

<table>
<thead>
<tr>
<th></th>
<th>AAS</th>
<th>AGS</th>
<th>AALT/ASLT</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>3</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Math</td>
<td>3</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Natural Sciences</td>
<td>3</td>
<td>6</td>
<td>9</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>0</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Social/Behavioral Sciences</td>
<td>3</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

In addition to the credit hours above, graduates must also demonstrate basic computer and informational literacy. Some degrees require a computer course to fulfill this requirement. Others include concepts in various technical courses.

SOWELA students enrolled in AAS degrees are required to successfully complete the general education core requirements in order to comply with this mandate. Course selection may vary by program of study but must be selected from each of the following areas: English Composition, mathematics/analytical reasoning, humanities, fine arts, social/behavioral sciences, and natural sciences.

The following courses may be used to meet the General Education Core Requirements. Specific course requirements vary by degree program; therefore, students should confer with their academic advisors.

English Composition:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>English Composition I</td>
</tr>
<tr>
<td>ENGL 1020</td>
<td>English Composition II</td>
</tr>
</tbody>
</table>

Math

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1000</td>
<td>Algebra for College Students</td>
</tr>
<tr>
<td>MATH 1100</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MATH 1105</td>
<td>College Algebra &amp; Trigonometry</td>
</tr>
<tr>
<td>MATH 1110</td>
<td>Trigonometry</td>
</tr>
<tr>
<td>MATH 1120</td>
<td>Precalculus Algebra</td>
</tr>
<tr>
<td>MATH 1305</td>
<td>Finite Math</td>
</tr>
<tr>
<td>MATH 2000</td>
<td>Contemporary Mathematics</td>
</tr>
<tr>
<td>MATH 2100</td>
<td>Elementary Statistics</td>
</tr>
<tr>
<td>MATH 2200</td>
<td>Calculus for Non-Science Majors</td>
</tr>
<tr>
<td>MATH 2500</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 2510</td>
<td>Calculus II</td>
</tr>
</tbody>
</table>

Natural Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1010</td>
<td>General Biology I</td>
</tr>
<tr>
<td>BIOL 1011*</td>
<td>General Biology I Laboratory</td>
</tr>
<tr>
<td>BIOL 1020</td>
<td>General Biology II</td>
</tr>
<tr>
<td>BIOL 1021*</td>
<td>General Biology II Laboratory</td>
</tr>
<tr>
<td>BIOL 2104</td>
<td>General Microbiology</td>
</tr>
<tr>
<td>CHEM 1010</td>
<td>General Chemistry</td>
</tr>
<tr>
<td>CHEM 1011*</td>
<td>General Chemistry Laboratory</td>
</tr>
<tr>
<td>CHEM 1020</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CHEM 1021*</td>
<td>General Chemistry II Laboratory</td>
</tr>
<tr>
<td>ENSC 2000</td>
<td>Environmental Science</td>
</tr>
<tr>
<td>PHSC 1000</td>
<td>Physical Science I</td>
</tr>
<tr>
<td>PHSC 1100*</td>
<td>Physical Science I Laboratory</td>
</tr>
<tr>
<td>PHSC 1200</td>
<td>Physical Science II</td>
</tr>
<tr>
<td>PHSC 1300*</td>
<td>Physical Science II Laboratory</td>
</tr>
<tr>
<td>PHSC 1500</td>
<td>Astronomy</td>
</tr>
<tr>
<td>PHYS 2100</td>
<td>General Physics I</td>
</tr>
<tr>
<td>PHYS 2110</td>
<td>General Physics I Laboratory</td>
</tr>
<tr>
<td>PHYS 2200</td>
<td>General Physics II</td>
</tr>
<tr>
<td>PHYS 2210*</td>
<td>General Physics II Laboratory</td>
</tr>
</tbody>
</table>
**ATTENDANCE POLICY**

SOWELA is a non-mandatory attendance institution. Thus, the student is considered enrolled and attending all registered courses. Student class attendance is confirmed by instructors taking attendance up to the official census date. It is the responsibility of the student to officially withdraw from a course or courses he or she is not attending. Failure to officially withdraw may affect the awarding and disbursement of Title IV aid and future balance owed. Any course in which the College has established that the student did not begin attendance will be dropped from the student schedule for non-attendance or no-show prior to the census date. Students may still owe a portion of tuition and fees for any courses dropped for non-attendance or no-show.

**DROP/WITHDRAWALS**

During the initial two weeks of classes for the Fall and Spring semesters and the initial six instructional days for the summer and 1st and 2nd 7-week semesters, a student can drop courses online at the SOWELA website. Dropped courses are removed from the student’s academic schedule for that semester and will not appear on the student’s transcript. Refunds for dropped courses are based on the school’s current refund policy; refer to the “Academic Calendar” for dates and refund percentages.

Students can withdraw from a course before the deadline published in the “Academic Calendar” for that semester after the refund period has ended. However, courses that are shorter than the full semester will have different deadlines. Students in these courses will need to check with the instructor or the Registrar’s office for the withdrawal deadline. Successful withdrawal from a course results in a letter grade of “W” for that semester and will not appear on the student’s transcript. Refunds for dropped courses are based on the school’s current refund policy; refer to the “Academic Calendar” for dates and refund percentages.

Students who have been dropped or who have dropped courses themselves may request reinstatement by obtaining a completed and signed Reinstatement Form from the Instructor. The completed form must be signed by the student, School Dean, Representative from the Business Office, and submitted to the Registrar’s Office. Students receiving federal student aid, scholarships, and/or institutional awards should consult with the Office of Student Financial Aid prior to withdrawal. Students who completely withdraw from SOWELA (dropping or withdraw from all courses) are subject to the Return of Title IV Policy. Failure to officially withdraw may affect the awarding of financial aid and result in a grade of “F” being assigned.

Failure to properly withdraw may jeopardize a student’s financial aid and may result in the student owing a repayment of funds. Employment information should be given to the School Dean or advisor if students withdraw from the college or if the students secure employment after withdrawal.

**REINSTATEMENT**

Students who have been dropped or who have dropped courses themselves may request reinstatement by obtaining a completed and signed Reinstatement Form from the Instructor. The completed form must be signed by the School Dean, Representative from the Business Office, and submitted to the Registrar’s Office. If reinstatement is requested after the published census date, the student/instructor must submit an official Notice of Withdrawal to the Office of Registration and Records. Failure to officially withdraw may affect the awarding of financial aid and result in a grade of “F” being assigned.

Failure to properly drop or withdraw may result in a grade of “F” being assigned for the semester. If a student who is dropping a class or classes or who is withdrawing from the college is receiving any type of financial aid, he/she must notify the Office of Financial Aid, the WIA Office, and/or any other source of funding. Failure to do so may jeopardize any future financial aid and may result in the student owing a repayment of funds.

**WITHDRAWAL FROM SOWELA (WITHDRAWING FROM ALL CLASSES)**

Students are encouraged to notify their advisor or School Dean if they are withdrawing from the college. In addition, students should notify the Office of Financial Aid if they are receiving any type of financial aid. Equipment, books or any other items belonging to the college or instructor must be returned. The college is not responsible for any items left on campus. Failure to properly withdraw may jeopardize a student’s financial aid and will result in a grade of “F” being assigned.

**ACADEMIC HONESTY**

Students Organization advisors for school-sponsored and/or school-sanctioned activities may request excused absences for participating students. Advisors should address such requests to the Dean of Instruction prior to the event. Students will be permitted to make up any work that is missed. Further, any assignments due on the day(s) of the events will be accepted on the first day of class following the event, without a penalty being levied. (If students miss an exam, they will be permitted to make up the exam without penalty.) Advisors should make every attempt to limit the number of absences by working around the student’s class schedule as much as possible.

**ABSENCES FOR SCHOOL-SANCTIONED ACTIVITIES**

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Students who have been dropped or who have dropped courses themselves may request reinstatement by obtaining a completed and signed Reinstatement Form from the Instructor. The completed form must be signed by the student, School Dean, Representative from the Business Office, and submitted to the Registrar’s Office. Students receiving federal student aid, scholarships, and/or institutional awards should consult with the Office of Student Financial Aid prior to withdrawal. Students who completely withdraw from SOWELA (dropping or withdraw from all courses) are subject to the Return of Title IV Policy. Failure to officially withdraw may affect the awarding of financial aid and result in a grade of “F” being assigned.

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SOWELA Technical Community College

Academic dishonesty includes, but is not limited to the following:
- Submitting another student’s work as your own or allowing a student to submit your work as their own.
- Copying from another student on assignments or during an exam or allowing a student to copy from your assignments or exams.
- Receiving exam questions from a student who has already taken an exam or giving questions to a student who has not taken an exam.
- Listing false references.
- Making up research data.
- Using an author’s work without proper credit and citation (plagiarism).
- Plagiarizing any part of an assignment, essay, exam, etc.
- Using unauthorized materials obtained from instructors or students.
- Receiving unauthorized help on assignments or exams.
- Altering grades.
- Using an author's work without proper credit and citation (plagiarism).
- Receiving exam questions from a student who has not taken the exam.
- Using another student's work as your own.
- Using unauthorized materials obtained or demonstrated in a laboratory environment with real items or projects. Live-work projects provide real-world working conditions to such industrial and technical occupations as auto mechanics, auto body repair, and welding. Instructional live-work projects, when carefully managed and controlled, provide an essential dimension to laboratory learning for certain occupations as a planned and integrated component of the curriculum.

As a part of their training at SOWELA, students may be involved in live-work projects in which competencies are taught. Acceptance of live work is at the discretion of the instructor and is determined by the need for projects which relate directly to the curriculum being taught at a given time. The college maintains the following for work done under this premise:

1. Work is limited to property owned by students, school employees, civic enterprises, or charitable organizations.
2. A written request for work must be approved by the program instructor, who will assign a student to the project and note competency and/or units of instruction to be addressed.
3. The Chancellor or his representative must approve the request.
4. All costs involved in the work (parts, supplies, etc.) must be borne by person(s) requesting the work.
5. Either the student(s) performing the work, or the instructor supervising the work, or the college, will be liable for losses or damages that might occur in connection with the work.

GRADUATION REQUIREMENTS
SOWELA Technical Community College holds an annual graduation ceremony at the end of the spring semester. Candidates for graduation must fulfill the following requirements:
1. Complete curriculum requirements with a minimum overall grade point average of 2.0 on all courses counted toward the degree or diploma.
2. Meet specific departmental requirements including a grade of “C” or better in all coursework required in the major subject area.
3. Earn at least 25% of the required hours in a program at SOWELA and at least one third of the major course work required in a program at SOWELA.
4. Be free of debt to SOWELA.
5. Submit an application for graduation, accompanied by the appropriate fees, at the time of registration for the last semester in which the candidate completes degree requirements for graduation.

GRADUATION APPLICATIONS
Students should consult with their academic advisor on a regular basis to ensure they are on track to meet all graduation requirements. All students must complete a graduation application regardless of their intent to participate in the graduation ceremony. Students must complete the application and pay all applicable graduation fees by the 5th instructional day of the semester they plan to graduate. If a student does not complete the requirements for the upcoming or current semester they must reapply for the semester in which they intend to complete. Applications can be completed online through BANNER self-service. A $60 graduation fee must be paid to the Business Office prior to the graduation ceremony.
or to the graduation application being processed by the Registrar’s Office. Failure to complete and pay appropriate fees could result in a student not graduating with his/her class.

GRADUATION CEREMONY
A graduation ceremony is held once a year in May. Students who participate in the graduation ceremony may incur additional expenses for caps and gowns. Announcements and class rings may be purchased through Jostens. Students who have completed a graduation application will receive graduation information including commencement activities, by mail. It is the student’s responsibility to ensure the Office of Enrollment Management has a correct mailing address.

HONOR GRADUATES
Students with excellent academic achievement are designated as “Honor Graduates.” Honor graduates must 1) earn a cumulative grade point average of 4.0 in all coursework attempted, 2) earn a minimum of 45 semester hours in their program at SOWELA, and 3) complete the final 15 semester hours of a program at SOWELA.

Students who receive the award of “Graduate with Distinction” must 1) earn a cumulative grade point average of at least 3.50 on all coursework attempted, 2) earn a minimum of 45 semester hours in their program at SOWELA, and 3) complete the final 15 semester hours of a program at SOWELA.

TRANSCRIPTS
Transcripts of grades may be obtained by written request from the Registrar’s Office. It is requested that adequate time be given in order to process the transcript. Students/graduates are limited to a request of five transcripts per request per week.

Transcript requests will be denied for individuals who owe a balance to SOWELA Technical Community College or any other Louisiana Community and Technical College System (LCTCS) institution. Students are able to log in to LOLA and print an unofficial transcript. Please contact the Business Office if you have questions pertaining to a balance owed at SOWELA.

FOLLOW-UP OF STUDENTS
SOWELA conducts routine follow-up surveys on all students. This data is used to evaluate the success of programs and the employment success of students. For this reason, students are asked to inform their advisors or the Placement Office of employment obtained following withdrawal from the college. Instructional Schools and/or the Office of Career Planning and Placement send follow-up letters or make follow-up phone
calls to students who exit the school each semester, including graduates, in order to obtain program and placement information. Employers of students employed in a field related to their training are also contacted through a survey or questionnaire for the purpose of evaluating student performance and occupational programs.

GRADING SYSTEM

SOWELA uses a point grading system that ranges from 0.0 to 4.0. The academic performance level of each student is designated on the transcript by a letter grade which has an assigned point value. Grades earned are determined by instructors at the end of each semester and are recorded on the student’s transcript which is maintained by the Registrar’s Office.

Students should learn and understand the evaluation and grading systems used to calculate the GPA. At the beginning of each semester, the course instructor discusses how grades are awarded and publishes this information in a course syllabus. A student should discuss questions, concerns, or academic progress with his/her instructor.

Students are evaluated by their instructors relative to the following factors: knowledge of course work, ethical behavior, safety, job performance, work attitudes, ability to follow instructions, ability to get along with others, attention to assignments, and pride in workmanship.

A final letter grade for a course is assigned by the instructor at the end of the semester. The grade indicates the success/failure of the student. If a student believes he/she has been assigned an incorrect letter grade for the course, the issue should be discussed with the course instructor. The time frame a student has to challenge a grade should be discussed with the course instructor.

If a student believes he/she has been assigned a grade indicates the success/failure of the student. The overall grade point average is an indicator of academic status and/or eligibility to remain in college. Each earned letter grade is converted to quality points assigned per semester credit hour. Grading symbols and quality point designations are:

A: 90 - 100% - Excellent; earns credit hours; carries a value of 4 grade points for each credit hour.
B: 80 - 89% - Above average; earns credit hours; carries a value of 3 grade points for each credit hour.
C: 70 - 79% - Average; earns credit hours; carries a value of 2 grade points for each credit hour.
D: 60 - 69% - Below average; earns credit hours but may not meet graduation requirements; carries a value of 1 grade point for each credit hour.
F: 59% or below - Failure; earns no credit hours; carries 0 grade points for each credit hour.

Incomplete - Indicates some work is incomplete due to mitigating circumstances in a course taught in the traditional manner. The student may not re-enroll in the class. An “I” does not affect GPA calculation and earns no credit hours. The student must complete the coursework by the deadline published in the academic calendar, or the “I” grade will be changed to an “F” grade.
Withdrawal - Indicates that a student has officially withdrawn (dropped) from a course.
Withdrawal due to natural disaster or unforeseen circumstances.
S: Satisfactory (Non-credit courses only).
U: Unsatisfactory (Non-credit courses only).
CR: Credit received.
AU: Audit.

Students are hereby informed that the grading scale may vary in programs regulated by state boards or federal guidelines.

All students will be able to view a grade report at the end of each semester/term through BANNER Self Service.

Calculating the Grade Point Average (GPA)

The following steps should be used to calculate an overall grade point average. Ignore transitional courses and courses where a grade of “I”, “A*”, “B*”, “C*”, “D*”, “F*”, or “W” was given.

- For each course taken, multiply the course’s credit hours by the quality points of the grade earned to obtain the total number of quality points earned for that course.
- Add the total quality points for all courses.
- Add the total earned credit hours for all courses.
- Divide the total number of quality points by the total number of attempted credit hours.

The sample schedule illustrates how to determine an overall GPA:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Attempted Credit Hours</th>
<th>Earned Grade</th>
<th>Hours Earned</th>
<th>Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>3</td>
<td>A</td>
<td>3</td>
<td>12</td>
</tr>
<tr>
<td>HIST 1020</td>
<td>3</td>
<td>B</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td>PSYC 1200</td>
<td>3</td>
<td>C</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>BIOL 1010</td>
<td>3</td>
<td>F</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BUSI 1040</td>
<td>3</td>
<td>W</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

| Total         | 15                     | 9            | 27           |

Although the student in the sample schedule above attempted five courses (15 semester credit hours), he/she withdrew from one course prior to the withdrawal deadline; therefore, the course indicated with a “W” is not included in the overall calculation. The student has a total of 27 quality points from a total 12 credit hours earned—including the failed course, in which the student earned zero quality points. The student should divide 27 quality points by the 12 hours in order to calculate a 2.25 GPA. In this example, the student has earned three passing letter grades, but has one failing grade which lowers the student’s overall average. However, the student in the example has achieved satisfactory academic progress (a GPA of 2.0 or above), and therefore will not be placed on probation...
A grade point average is computed for all work that a student completes except work in transitional courses and courses where letter grades of "I", "A*", "B*", "C*", "D*", "F*", or "W", are given. "I" (Incomplete) is a temporary grade that has no grade value. The letter grade that replaces the "I" will be used to calculate the GPA. If the course is not completed by the following semester after an "I" grade is recorded, the "I" grade is automatically converted to "F".

**REPEAT COURSES**

SOWELA students are allowed to repeat courses. Only the last grade earned will be used in computing the GPA (EVEN IF THE LAST GRADE IS LOWER THAN THE PREVIOUS GRADE). A student that chooses to repeat a course in which he/she has already earned a passing grade is hereby cautioned that failing to complete the course satisfactorily may result in a failure to complete graduation requirements. Academic advisors should discourage students from repeating courses previously passed.

**INCOMPLETE GRADES**

An Incomplete "I" grade may be requested only in extraordinary circumstances when a student who is passing is unable to complete the course on schedule. "I" grades may be issued for students who are currently passing the class, attending regularly, and can reasonably complete the coursework by the deadline published in the academic calendar or by the date agreed upon in the Incomplete Grade Contract. The student is responsible for making up the work within the mandated time period. The "I" grade will convert to an "F" grade if not changed by the day grades are due the semester following the issuance of the "I".

Examples of extraordinary circumstances are serious illness or injury, death in the family, sudden change in employment schedule or sudden emergencies deemed appropriate and verified by the instructor.

The Procedure for Awarding an "I" is as follows:
1. The student should initiate the request for grade of "I" with the instructor.
2. After the student provides verification of the extraordinary circumstances, the student and instructor complete and sign the Incomplete Grade Contract/Request Form obtained from the School.
3. The Incomplete Grade Contract/Request Form must be approved by the School Dean and the Dean of Instruction.
4. The Incomplete Grade Contract/Request Form, accompanied by the appropriate verification, must be submitted to the Registrar's Office no later than the date the semester grades are due.

**AWARDING OF TRANSFER CREDIT**

An applicant should submit a currently issued official transcript from all institutions of higher education that he/she has attended within thirty days of the beginning of the first semester/session of enrollment. Transcripts become the property of SOWELA and part of the permanent record.

Decisions regarding the award of transfer credit will be determined no later than the end of the first semester a student is enrolled.

Transfer credit is generally accepted from accredited institutions that are accredited through recognized agencies. Transfer credit from other institutions will be considered on a case-by-case basis. Conversion from quarter hours to semester hours and conversion to a four-point grading scale will be made as needed. Course content, prerequisites and level of instruction will be reviewed. The student may be required to provide course syllabi to determine transfer credit eligibility.

Transfer of credit will be considered only for comparable courses within the current curriculum at SOWELA. Only grades of "C" or better will be considered for transfer credit. Once the credit becomes a part of the student's official record at SOWELA, it will not be removed.

Application of transfer credit toward the completion of program requirements will be determined by the Registrar's Office. Grades awarded for any and all transfer credits are excluded when calculating the SOWELA institutional grade point average. However, grades for transfer credit will be included when calculating the student's overall grade point average.

No credit will be given for courses taken at other institutions while under suspension from SOWELA.

SOWELA students are allowed to repeat courses. Only the last grade earned will be used in computing the GPA. If the course is not completed by the following semester after an "I" grade is recorded, the "I" grade is automatically converted to "F".

**DEAN'S LIST**

The Dean's List has been established as a means of encouraging and recognizing academic excellence. The criteria for qualification are as follows:

- Full-time students (those who complete twelve or more semester credit hours in a semester and/or six semester credit hours in a summer term) will qualify for the Dean's List if their Grade Point Average (GPA) for the current term is 3.5 or greater.
- Students must not have a grade of "F" or an incomplete ("I") for the current semester.
- Students must have a Grade Point Average (GPA) of 4.0 for all courses. A non-refundable fee is assessed for each credit exam. A 75% proficiency performance is required for a grade of "CR". Examinations for credit may NOT be taken in any course previously completed, audited or enrolled at exam time. A credit exam for an individual course may be taken only once.

**ACADEMIC PROBATION**

A student that has attempted at least 15 credit hours and fails to maintain Satisfactory Academic Progress during any term will be placed on academic probation at the end of that term. (See table below). A student on academic probation is encouraged to contact their advisor during the semester of probation to develop a plan for academic success. A student on academic probation may be required to attend workshops designed to bolster academic performance. A student on academic probation must wait to register for the subsequent semester until the previous semester grades are available. The scale used to determine Academic Probation is provided below:
<table>
<thead>
<tr>
<th>Overall Credit Hours Attempted</th>
<th>Minimum Overall GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>1.54</td>
</tr>
<tr>
<td>16-30</td>
<td>1.75</td>
</tr>
<tr>
<td>31-45</td>
<td>1.95</td>
</tr>
<tr>
<td>46 &amp; above</td>
<td>2.0</td>
</tr>
</tbody>
</table>

Students will remain on academic probation until they raise their overall grade point average to a 2.00 or suspended.

**ACADEMIC SUSPENSION**

If a student has attempted at least 24 hours and is unable to maintain satisfactory academic progress while on academic probation, the student is then suspended for the upcoming semester. During this suspension term, the student may not enroll in any programs at SOWELA. No credit will be given for courses taken at other institutions while a student is under suspension from SOWELA.

Students reentering school after academic suspension will reenter on academic probation. Students not maintaining Satisfactory Academic Progress after one semester of academic probation will not be allowed to enroll in any program for one calendar year from the date of the second suspension.

Students on academic suspension may also appeal with the Dean of Instruction requesting a change in academic standing from Suspension to Probation. Students wishing to appeal must submit documentation of extenuating circumstances in the form of a letter or via e-mail. A committee will review the request and notify the student of the committee’s decision. Students should be cautioned that approved appeals may require specific measures be taken that will assist in raising the student’s overall GPA. Students may obtain an Academic Standing Appeal form from the Office of the Dean of Instruction.

**TRANSFER OF CREDITS TO OTHER INSTITUTIONS**

While most courses at SOWELA are designed to lead to direct employment in a specific career, some courses are designed for transfer to other institutions of higher education. The Statewide Student Transfer Guide and Articulation System Matrices are available to assist students with determining the potential transferability of courses. These matrices indicate transfer equivalencies of courses among Louisiana’s public colleges and from the Office of the Dean of Instruction.
universities and may be accessed through the Board of Regents’ web page at www.regents.state.la.us. Students should note that the categories are not all-inclusive. The determination of what credit will transfer from SOWELA Technical Community College rests with the receiving institution. Therefore, students are advised to contact the institution to which they intend to transfer to inquire about the potential transferability of courses and to determine whether the courses may be used to meet graduation requirements within their chosen major.

The Offices of Student Success and Student Support Services are multi-faceted offices providing services for students with disabilities, career guidance, counseling, tutoring, mentoring, and student enrichment activities. Our goal is to provide opportunities for students to gain their full career and educational potential using state of the art learning resources.

DISABILITY SERVICES
Students with disabilities are entitled to equal access to a post-secondary education and SOWELA actively recruits prospective qualified students, including those with disabilities. Title I and Title II of the Americans with Disabilities Act (ADA) are strictly adhered to and the campus will make reasonable accommodations in facilities, services, policies, and practices so that qualified individuals with disabilities may have access to training. Students with impaired sensory, manual, or speaking skills or other disabilities have the responsibility to provide documentation in a timely fashion regarding reasonable accommodation needs.

In support of the college’s mission to identify and meet the educational needs of its community through innovative, dynamic programs, Disability Services ensures equal access to all campus programs and activities. The office promotes full participation in campus life for individuals with disabilities. Services are provided collaboratively to empower students to advocate for themselves and assume responsibility for their academic outcomes and personal goals.

Students must self-identify and apply in the Office of Student Support Services to obtain accommodations. Students must provide documentation from a board-certified physician or psychologist describing the nature of the disability and how it affects an individual’s major life activity. The doctor should also recommend any type of accommodations the student may need. We recommend requests for special accommodations/services be made at least eight (8) to four (4) weeks prior to the first official day of classes each semester. For more information please contact (337) 421-6969.

As part of the Americans with Disabilities Act (ADA) the college allows persons with disabilities to bring service animals with them to College activities, services and programs. In accordance to Louisiana State Law service dogs shall be currently vaccinated and wear a vaccination tag. Service animals are defined as “any animal individually trained to do work or perform tasks for the benefit of an individual with a disability, including, but not limited to, guiding individuals with impaired vision, alerting individuals who are hearing impaired to incoming sounds, pulling a wheelchair for a person, or fetching dropped items for a person with limited mobility.” When an animal meets this definition, it is considered a service animal regardless of whether or not it has been certified by a training program. The College may not insist on proof of state certification before permitting the service animal to accompany the person with a disability. All service animals must be permitted to accompany a person with a disability. If there are any questions regarding service animals, the Office of Student Support Services should be contacted at (337) 421-6969.

ADVISING SERVICES
Advising services are available through the Office of Academic Affairs by Professional Advisors and Faculty Advisors. The primary purpose of academic advising is to provide effective guidance so that students can maximize the educational opportunities available at SOWELA. Advising is a shared responsibility between Professional and Faculty Advisors building on the strengths of each. First-year students should visit the Professional Advising Center to receive guidance in academic planning and navigating college life.

Faculty Advisors provide program specific guidance and help the student plan class schedules each semester. Faculty Advisors are assigned during the orientation process and included as part of the student’s LoLA record. Students are encouraged to visit with their faculty advisor early and often as the advisor can help the student make the most of their educational experience. For more information, please go to the Academic web page at www.sowela.edu. Once there, click the Academic Advising link.

CAREER SERVICES
Career Services offers a lifetime of career assistance to the students and alumni of SOWELA. We work closely with students seeking employment by working cooperatively with business and industry to stay informed of employment needs and opportunities. We are committed to serving our students and employers in our region.

Career services offers a variety of career guidance resources, job search related services, and skills in resume writing and interviewing. Career guidance resources include our Strong Interest Inventory and the Myer-Briggs Personality Assessment. The Strong Interest Inventory Assessment combined with the Myer-Briggs Type Indicator helps students gain a better understanding of who they are, and how their personality and interests help in developing a satisfying and productive workplace. The assessments do not measure skills or abilities, but the results can help guide students toward rewarding careers, work activities, areas of study, and leisure activities. For more information, please go to the Student Life web page at www.sowela.edu.

Career fairs are held biannually on campus to offer an opportunity for students and alumni to network and make connections with potential employers. For more information please contact the office of Career Planning and Placement, (337) 421-6968.

STUDENT COUNSELING
Student Counseling services are available to assist students with their academic decisions, personal counseling and development, mental health, education, and wellness. For most students, college presents new and difficult challenges. The Counseling services are FREE of charge to all currently enrolled SOWELA students. You can learn more by requesting information from the Student Counseling Office, (337) 421-6971.

STUDENT WIRELESS ACCESSIBILITY
Wireless accessibility is provided to all SOWELA students.

TUTORING
SOWELA is proud to offer both face-to-face tutoring as well as online tutoring through Smarthinking. Face-to-face tutoring is located in the Computer Technology Building/Student Success Center. Face-to-face tutoring is also offered at the Morgan Smith Campus. For more information on Tutoring Services offered you can call (337) 421-6974.

STUDENT ORGANIZATIONS
SOWELA encourages participation in stu-
Student organizations and activities and offers students opportunities to grow socially, personally, and intellectually outside of the classroom. The activities of clubs and organizations enhance the educational experience of the student body. Participation in student activities helps students to develop leadership, communication, interpersonal relations and problem solving skills. For information concerning any of the organizations below, contact the Office of Student Support Services at (337) 421-6969.

Organizing Student Clubs/Organizations

The following are procedures for operating clubs/organizations:

Starting a Club/Organization
1. Students, faculty, or staff interested in starting/advising a club/organization must complete a Prospective Student Organization Form to register the club/organization with the Office of Student Support Services.
2. The Executive Director of Enrollment Management and Student Affairs or his/her designee will sign the constitution and Prospective Student Organization Form. Club members and advisors agree to follow club/organization guidelines and contribute to updating the Student Services section.

Club/Organization Advisors

Each Club/Organization has a faculty/staff member as an advisor. The advisor assists students with the club business and activities, mentors members of the club/organization, and provides guidance as necessary. Club/Organization advisors are required to attend mandatory meetings at the beginning of the fall and spring semesters. An advisor that is unable to attend should contact and make an appointment to meet with the Director prior to initiating any club/organization activities.

Club/Organization advisors should keep their Club Advisors Application current, and a copy should be kept on file in the Office of Student Support Services.

Scheduling Activities and Meetings

Student activities require prior approval from the Office of Student Support Services. Whenever any campus room or facility is used for club/organization activities, the club/organization sponsoring the event is responsible for cleaning the area and restoring it to presentable conditions.

To schedule an activity/meeting:
1. The club/organization must complete a Student Activity Request Form. The form must be signed by the organization’s president and/or advisor, and submitted to OSSS at least three weeks prior to the proposed activity. Clubs/Organizations must also fill out a Program Proposal and Evaluation Form. The “Program Proposal” section is to be completed prior to the event.
2. The Director of Student Services and the Director of Facilities or his/her designee must approve the use of space for the event, and sign the request form.
3. After the event, the club/organization should complete the Program Proposal and Evaluation Form by filling out the “Evaluation” section.

Posting Regulations

The Graphic Art Program is available to assist students in creating flyers, banners, and posters for club/organization events. Each club requesting flyers, banners, etc. must complete a Student Activity Request Form prior to any advertising. Only OSSS can approve postings. If a student club/organization would like posters, flyers, and/or posters done by Graphic Art they must complete a form and submit the form to graphicrequests@sowela.edu. Unauthorized postings will be removed.

Communication and Representation

1. A representative from each club/organization should check for club/organization mail at least once a week in the mail area.
2. Clubs/Organizations can appoint a club senator to serve in the Student Government Association. To serve, a student must maintain a 2.0 GPA, and complete at least six hours of course work.
3. A complete roster of current members is due to OSSS no later than the third week of classes each semester. Additions to the roster can be made at any time. A club/organization must complete a Club Membership Semester Academic Application at the beginning of each semester. This allows members and advisors to maintain an accurate roster/directory of its members.
4. A student interested in joining a club/organization must complete a Club Membership Semester Academic Application at the beginning of each semester. This allows members and advisors to maintain an accurate roster/directory of its members.
5. A sign-in sheet must be completed for each meeting/activity and submitted to OSSS at the end of each semester.
6. Clubs/organizations must provide a constitution to OSSS.
7. Students who wish to attend conferences/activities that conflict with their class schedules must complete a Club/Organization Conference Activity Excuse Form and submit it to the instructor whose class is to be missed. Students are not allowed to attend/participate in any event unless a completed Club/Organization Conference/Activity Excuse Form is submitted to OSSS at least 30 days prior to the event.
8. Clubs/Organizations taking students to an off-campus event must have each student sign a waiver of liability form prior to the event. Waiver of liability forms can be obtained from the OSSS.

Student Organization Fund-raising Projects Policy

Fund-raising, as pertaining to student organizations, is the seeking of funds/support by a student group from sources other than from its members, including procurement of supplies and other forms of support; the selling/distribution of items, materials, products, or services; and the sponsorship of events. Fund-raising activities on and off the campus must be conducted in a manner that positively influences the College’s reputation and image with the campus community and the general public.

Only officially registered student clubs/organizations at SOWELA are authorized to conduct fund-raising activities.

1. Student clubs/organizations considering a fund-raising project must obtain a Fund-raising Proposal Application from the Office of Student Support Services. The proposal must be submitted at least two weeks prior to the planned activity. The Directors of Student Support Services must approve, modify, or deny proposals. Upon completion of the fund-raiser a Student Organization Deposit Form must be completed and submitted to the Office of Student Support Services.
2. Projects that interfere with academic programs or functions, college-operated
3. Fund-raising activities are to be assigned to specific geographic areas on campus.

4. Clubs/Organizations are responsible for paying postage associated with fund-raising. Services from the campus postal service cannot be used by any clubs/or- ganizations for fund-raising activities.

5. Advertising must comply with the cam- pus policies for the posting of flyers, ban- ners, etc.

6. Collection of monies must comply with campus policies; and in order to be properly processed, funds must be main- tained in an account in the Business Office.

7. SOWELA does not accept responsibility for any financial liability with reference to student fund-raising. All financial ex- penditures are necessary to projects un- derwritten as conditions for their approv- al. College funds are not to be utilized to initiate, or sustain the fund-raising activi- ties of a student club/organization.

8. All fund-raising items must be purchased and paid for by the club/organization upon receipt of the invoice. All financial ex- penditures must be properly processed, funds must be main- tained in the Business Office.

9. All fund-raising activities must abide by local, state, and federal laws and regulations.

Failure to properly account for expenses and income relative to fund-raising activities and failure to deliver promised goods are grounds for disciplinary action by the College. The College reserves the right to audit fund-raising records and activities of the officially recognized student organizations.

Club/Organization Advisor Guidelines Rules and guidelines for club/organization advi- sors:

1. The Office of Student Support Services must approve every activity sponsored by a club/organization, and the activity must be approved by Student Support Services at least one week prior to the event.

2. At least one advisor's signature is re- quired on each Student Activity Request Form.

3. Every activity must have at least one advisor present for the duration of the event. The Student Support Services Of- fice approves exceptions to this rule.

4. Advisors are responsible for ensuring that regular meetings of the club/organiza- tion and its executive committee are held.

5. Any money collected by a student club/ organization must be deposited into a registered campus account in the name of the club/organization at the Business Office.

6. Advisors must be familiar with the Stu- dent Code of Conduct.

7. The main advisor for each club/organiza- tion must maintain an accurate ros- ter of the club/organization members, a copy of the constitution, and the names and contact information of any other club advisors. This information is filed with Student Support Services.

8. The main advisor should know each club/organization member's current academic status and maintain an accu- rate record of this information in Student Support Services.

9. Club/Organization advisors are required to attend a mandatory club/organization advisor meeting at the beginning of each semester. The spring meeting is held for new advisors only. Current or returning advisors will receive an update of operat- ing rules and procedures in the spring.

10. Assistance or technical support is pro- vided by the Director of Student Support Services.

Clubs/Organizations SOWELA Technical Community College stu- dents can join the following service clubs/or- ganizations and honor societies:

Student Government Association (SGA)

Every student duly enrolled at SOWELA Tech- nical Community College (SOWELA) shall be a member of the Student Government Association. The SGA is designed to facilitate student involve- ment within the college. The SGA promotes the general welfare of the college in a democratic fashion and facilitates communication among the student body, the faculty and the administra- tion. The purpose of the SGA is to serve students by advocating for student rights as well as provid- ing programs that enrich the college experience. The SGA governing body is comprised of an Exec- utive Branch and Student Senate. An elected president, vice-president, secretary, and treasurer form the Executive Branch. Senators are chosen by each school/organization to represent the in- terests of that school/organization.

Future Business Leaders of America - Phi Beta Lambda (PBL)

PBL is the largest business career student organization in the world. The high school division has 215,000 members, while the postsecondary division reaches over 11,000 college students. The newest group, FBLA-Middle Level, is showing remarkable growth with nearly 15,000 student members. Finally, the Professional Division has reached over 3,000 members. Over 11,000 advisers round out the group. Exclusive membership and career recognition programs are designed for each division to provide additional personal and chapter development opportunities. The Gamma Alpha Pi Chapter of PBL has been active at SOWELA since 1975.


Skills USA

Skills USA is a national organization serv- ing more than 250,000 high school and college students and professional members who are en- rolled in training programs in technical, skilled, and service occupations, including health occupa- tions. Skills USA prepares America's high perfor- mance workers. It provides quality education experiences for students in leadership, teamwork, citizenship and character development. It builds and reinforces self-confidence, work attitudes and communication skills. It emphasizes total quality at work, high ethical standards, superior work skills, lifelong education and pride in the dignity of work. More than 1,000 corporations, trade associations, and labor unions actively sup- port Skills USA on a national level through finan- cial aid, in-kind contributions, and involvement of their people in Skills USA activities. Team SOWELA competes on the state and national lev- els and has brought home many gold, silver and
NTHS is the acknowledged leader in the recognition of outstanding student achievement in career and technical education. SOWELA Technical Community College offers this nationally recognized honor society to students. Individuals interested in joining NTHS must have a current overall GPA of 3.0 or above and maintain a GPA of 3.25 in their Career and Technical education. SOWELA Technical Community College while providing the student body an opportunity to participate in activities related but not limited to video games, board games, card games, logic games, and puzzles. SOWELA Gamerz will host events such as friendly gaming tournaments, game nights, and game related activities. It will bring together veteran gamers, as well as new-comers, to create a community of fun, leadership, and fair play.

The Circle

The mission of the “The Circle” is to provide opportunities for SOWELA Technical Community College students to: (1) share burdens and pray, (2) engage with fellow Christian students and the community, (3) present to college and local community God’s word and support, (4) provide biblical studies during the semester for students based upon need and desire.

Criminal Justice Club

The Criminal Justice Club is an organization established by Criminal Justice students to serve the community in a service capacity.

Astronomy Club

The SOWELA Astronomy Club is an inclusive organization that seeks to broaden the horizons of our students and community by allowing them to experience hands-on the majesty of the universe. SOWELA owns a battery of telescopes that are available to use in research projects and for general use, a variety of cameras and filters for precision observations, and learning aids to support the development of students abilities and lifelong learning about the stars and heavenly phenomena. We stress interdisciplinary cooperation between students to achieve project goals and are open to students of every major and concentration who share our interest in astronomy.

STUDENT CONDUCT CODE

Membership in the college community confers upon students certain rights and imposes certain responsibilities which are defined below. Students are expected to understand and exercise their rights, to meet their responsibilities, and to respect the rights of others. The College’s student conduct code is expected to enforce these responsibilities and to afford the same rights to students. The College will help to preserve a climate in which students can develop without denying this same opportunity to others. Unfamiliarity with the following does not excuse students from carrying out their responsibilities as members of the college community.

Student Rights

1. Students have the right to be heard in matters that affect their rights and responsibilities. (e.g. through Student Government Association, Dean of Instruction, etc.)
2. Students have the right to take stands on issues, to examine and discuss questions of interest, and to support legal causes by orderly means which do not disrupt college operations or interfere with the rights of others.
3. Student publications and communications are guaranteed the rights inherent in the concept of “freedom of the press.” Individual students and student organizations have the right to publish, distribute, and broadcast material on the college campus provided that the materials are identified by the name of the student or student organization. All publications and broadcasts shall be subject to the canons of responsible journalism, including the avoidance of defamation, indecency and obscenity, undocumented allegations, and harassment. In addition, all publications and communications must be approved by the Office of Student Support Services.
4. Students have the right to form and participate in student organizations that provide opportunities for educational and social enrichment. All student organizations registered with the Office of Student Support Services may meet on college premises provided that they make reservations in accordance with the established rules and regulations for room and space reservation. Students and/or student groups may not make reservations in their names for outside groups or organizations to use college space.
5. Student organizations registered with the Office of Student Support Services have the right to invite any persons of their choosing to their organization as speakers on college premises. The Chancellor or the Executive Director of Enrollment Management and Student Affairs may cancel a speaker’s reservation where there is a clear and present danger to the orderly operation of the college. Such cancellation shall be communicated to the sponsoring organization at the earliest opportunity.
6. Students have the right to have their academic records kept confidential subject to existing law. No official records shall be kept which reflect political activities or beliefs of students. No official records shall be available to unauthorized persons within the institution, or to any person outside the institution without the expressed written consent of the student involved, except under legal compulsion.
7. Students have the right to due process when accused of any violations of college regul
loration of conduct. This right shall include the following:

- Right to a notice in writing of any charges.
- Right to admit the alleged violation, waive a hearing and accept the college's action.
- Right to admit the alleged violation but request a hearing.
- Right to deny the alleged violation and request a hearing.
- Right to a fair hearing before an impartial committee.
- Right to appear in person at a hearing or not to appear with assurance the failure to appear shall not be construed as indicative of guilt.
- Right to select an advisor of their choice to attend the hearing with them.
- Right to call witnesses and present evidence on their behalf.
- Right upon request to a list of witnesses who will appear against them.
- Right to confront and cross-examine witnesses and/or accusers.
- Right to request a copy of any available record or tape recording of a hearing if the offenses involve possible suspension or expulsion.
- Right to appeal to the Executive Director of Enrollment Management and Student Affairs or Designee and then to the Chancellor of the College.

Student Regulations And Rules Of Conduct

It is a basic and fundamental responsibility of a college to maintain order through reasonable policies and procedures. The filing of an application for admission shall be regarded as evidence of the applicant's intention to abide by the standards and regulations of SOWELA. Students forfeit their right to remain enrolled if they fail to comply with such standards and regulations. The following is a statement of the regulations and responsibilities of students both as individuals and as groups at SOWELA. Additional rules or regulations may be initiated under established procedures during the year.

1. Firearms, explosives, fireworks, or weapons of any kind are not to be brought onto the college premises or to college-sponsored events except as authorized by the proper officials of the College.
2. The manufacture, distribution, sale, possession, or use of alcoholic beverages, marijuana, controlled substances, or dangerous drugs on the campus and at institutionally approved events off campus is prohibited.
3. No person shall physically abuse, threaten, or intimidate any member of the faculty, staff, student body, or any official visitor to the College.
4. The taking, damaging, or malicious destruction of property belonging to the college, to the visitors to the college, or to any member of the college community is prohibited.
5. No persons shall assemble on campus for the purpose of creating a riot or disruptive or disorderly diversion which interferes with the normal educational processes and operations of the College. This policy shall not be construed as the denial of any student's right to peaceful assembly.
6. Gambling on the campus premises is prohibited.
7. No person shall interfere with, fail to cooperate with, or fail to identify himself or herself to any properly identified administrator or staff person while that person is in the performance of his or her duties.
8. Unauthorized entry into, use, or occupation of college facilities which are locked, closed to student activities, or otherwise restricted as to use, or which have not been reserved for use through the proper college authorities is prohibited.
9. Falsification, alteration, fabrication, or misuse of college forms, documents, records, or identification cards is prohibited. This policy includes any documents submitted in support of official college purposes.
10. The operation on campus of student organizations not properly registered with and recognized by the Student Support Services Office is prohibited.
11. The dissemination on campus of publications which do not bear the name of the originator or which are not done in accordance with college rules and regulations is prohibited.
12. Students shall not attempt to defraud, deceive, or mislead an instructor in arriving at an honest grade assessment.
13. Hazing is not permitted. Hazing violations include, but are not limited to, abusive initiation requirements for entrance into a club or organization.
14. Unauthorized use of college property or services is prohibited.
15. Behavior that is disruptive or that interferes with the campus learning process in the classroom or on campus is not permitted. Students accused of Student Conduct Code violations can be assured adequate due process through administrative procedures. Violations can be adjudicated through an informal hearing with the Executive Director of Enrollment Management and Student Affairs and/or through a formal hearing. An informal hearing is a meeting between the accused, the accused, and the Executive Director of Enrollment Management and Student Affairs. An informal hearing is appropriate when all parties voluntarily agree to engage in an attempt to resolve the complaint. This may result in sanctioning if needed. If the informal hearing does not result in resolution, the case will be forwarded for a formal hearing.

Additional Conduct Regulations

1. Appearance and/or dress that is extreme or unusual to the point of distracting from or being disturbing to the learning environment within classes or on campus will not be tolerated. In certain technical labs, student dress is expected to meet all safety codes.
2. Telephone and mail service is not available on campus for students. Students should be called through the college switchboard only in cases of emergency which involve the illness or death of a family member. The Office of Facilities should be contacted in such emergencies.
3. To the extent permitted by State law, all faculty, staff, students, visitors, vendors, contractors, and all others are prohibited from using any tobacco products (cigarettes, cigars, smokeless tobacco, snuff, chewing tobacco, electronic cigarettes, etc.) while on the property of SOWELA Technical Community College.
4. Food and drinks may be brought into buildings, but they are not allowed in classrooms. Children are not allowed
Disciplinary Sanctions

Students/student leaders/clubs/organizations who fail to follow the Code of Conduct are subject to disciplinary actions/sanctions authorized by the Executive Director of Enrollment Management and Student Affairs or Designee. These include:

1. Admonition or oral statement to the student who has violated regulations.
2. Official written reprimand, warning, or notice in writing that continuation or repetition of wrongful conduct can result in harsher action.
3. Educational sanctions that include fines, public service, participation in selected programs, or the assignment of a research project.
4. Disciplinary probation/exclusion from privileged or extracurricular activities.
5. Restitution/reimbursement for damage(s) or loss(es) to property or person(s).
6. Forfeiture of academic credit.
7. Suspension/exclusion from classes and privileges for a defined period of time.
8. Expulsion/termination of the club/organization/student(s).
9. Sanctions as deemed necessary by the Executive Director of Enrollment Management and Student Affairs or Designee.

The Executive Director of Enrollment Management and Student Affairs or Designee reviews all disciplinary sanctions. The Vice Chancellor of Academic Affairs or Designee will review all academic related sanctions.

Unusual circumstances (i.e. threat of personal safety, physical danger, repeated violations, etc) may result in dispositions decided on through informal hearings. Such dispositions may result in suspension, exclusion from classes, or expulsion/termination of the student’s status at SOWELA.

Students on disciplinary suspension, exclusion, or expulsion are forbidden the use of college facilities during the term of their sanction. A student or student club/organization facing disciplinary sanctions may receive temporary sanctions from the Executive Director of Enrollment Management and Student Affairs or Designee. These include suspension pending the final disposition of the case, or temporary suspensions imposed in order to maintain the orderly operation of the college.

Categories and Definitions of Academic Dishonesty

Cheating is the intentional use of inappropriate and unauthorized assistance, information, materials or study aids in any academic exercise, and includes multiple submissions of the same or part of the same work to different instructors for different assignments in the same semester or in a different semester. Cheating includes, but is not limited to, the use of unauthorized assistance, information, or materials on tests, homework, quizzes, papers, projects and all other academic assignments. Additionally, the act of conspiracy for the purpose of defrauding also constitutes cheating.

Fabrication is the misrepresentation of a signature or a document as original (authentic) and includes the fabrication of any part of an academic individual or group assignment, or of official documents of the college or outside agencies, including drop/add slips, excused absence slips, and medical documentation. Fabrication also includes making up or changing data or results, or relying on someone else’s results in experiments or laboratory assignments. Citing a source that has not actually been used or consulted is also an offense.

Plagiarism constitutes the use of another person’s ideas, words, data, arguments or sentence structure in any academic assignments as the student’s own without proper documentation or citation.

Misuse of academic resources constitutes prohibiting students, faculty or staff from using print or electronic resources by rendering them unavailable, useless, or altered from their original form and purpose. This includes the unauthorized use of computer accounts, alteration of passwords, violation of library procedures or other intentional misuse or destruction of educational materials.

Misrepresentation is intentionally presenting oneself as someone else, or intentionally representing the condition or the situation as more or less than what it actually is to gain credit or special concessions on academic individual and group work including make-up tests, projects, and class assignments.

Violation of class rules is the intentional failure to follow the rules of each individual class concerning academic assignments and class behavior as referenced in the course syllabus.

Complicity is the willing involvement with others in any academic misconduct.

Software fraud is the unlawful downloading and copying of computer software used in the creation of academic work.

Multiple submissions of work include handing in academic work that was done previously by the student for another class or by someone else.

Cheating includes any attempt to defraud, deceive or mislead the instructor in arriving at an honest grade assessment. Plagiarism is a form of cheating that involves presenting as one’s own the ideas or work of another. Through course syllabi or course requirements, students will be informed of the cheating policy. The policy has been established by SOWELA to insure due process in cases of cheating and plagiarism.

Standards Of Conduct For Use Of SOWELA Computers

SOWELA’s Acceptable Use Policy #7.001.1 complies with the latest revisions of both the Computer Fraud and Abuse Act and the Copyright Act and overall Louisiana Community and Technical College System policy #7.002.

Examples of unacceptable activities:

- Accessing, uploading, downloading, transmitting, displaying, or distributing obscene or sexually explicit material; transmitting obscene, abusive, or sexually explicit language
- Accessing, uploading, downloading, transmitting, displaying, or distributing obscene or sexually explicit material; transmitting obscene, abusive, or sexually explicit language
- Damaging computers, computer systems or computer networks
- Vandalizing, damaging or disabling the property of another person or organization
- Debilitating or disabling computer systems or networks through the intentional misuse
- Overuse of electronic distribution or the spreading of computer “viruses” through the inappropriate use of files, c’d’s or other removable devices
- Violating copyright, or otherwise using another person’s intellectual property without his or her prior approval or proper citation
- Using another person’s passwords

in classrooms, and cannot be left unattended while on campus.

All electronic devices should be turned off and put away while in class.

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- Violating copyright, or otherwise using another person’s intellectual property without his or her prior approval or proper citation
- Using another person’s passwords
Sowela Technical Community College

- Trespassing in another person’s folders, work or files
- Violating local, state and federal statutes

Display Of Non-College Publications

As an institution of higher education, SOWELA seeks to foster a “free marketplace of ideas” in support of the ideas written in our state and national constitutions. To that end, SOWELA allows the display of non-college publications on its campus. The regulations contained herein in no way approve, disapprove, support, or fail to support the content of the publications included in this policy. The policy simply assists SOWELA in the use and management of college facilities.

Procedure for posting Non-College Publications:

1. An Agreement for Display of Non-college Publications must be completed and filed in the OSSS. Agreements are renewed annually; however, SOWELA can cancel an agreement at any time by issuing a two-week notice to the vendor.
2. OSSS assigns display locations and assignments are made solely at the discretion of SOWELA.
3. Display racks must be provided and used by the vendor to display publications.

Sales and Solicitation

SOWELA does not permit the operation of private business enterprises on campus unless the business is under contract to the college. As specified by related procedures, all private business interests on the SOWELA campus are only operated as auxiliaries to the business, and are under the direct management, control, and supervision of the college’s chief business officer: Jeanine Newman, Vice Chancellor for Finance.

Procedures for Students/Student Organizations:

Students can place notices of items for sale on the “Campus Advertising Board”. Posting of sales notices must first be approved by the Office of Student Support Services.

Student Assemblies

Students who need to utilize campus facilities for an event, must first reserve the facilities through the Office of Student Support Services. Whenever an activity, held in the name of the college, includes a speaker, the Vice Chancellor for Academic Affairs must officially approve the speaker and coordinate the event with the SOWELA Office of Facilities.

Visitors on Campus

Visitors are welcome and are invited to visit the college at any time. Each visitor to the college must check with the administrative office before touring the school or visiting classes. Visitors must adhere to the rules and policies of the college, including traffic and parking regulations.
The following section is a description of all programs of study offered at SOWELA Technical Community College. The curricula are as accurate and complete as possible at the time of publication of this catalog. Since this catalog was prepared, some programs may have been added, others may have been deleted, and/or changes in curricula may have been made.

Exit level designations for these programs are as follows:

**TCA** = Technical Competency Area Certificate: An applied course, or series of courses (1-16 hours) which provides a student with a specific technical competency area.

**CTS** = Certificate of Technical Studies: An applied technical program (usually 16-33 hours) to provide a student with a broad technical competency.

**CGS** = Certificate of General Studies: An academic program (30 hours) of general education courses designed to prepare students for entry into an associate or baccalaureate program.

**TD** = Technical Diploma: An applied technical degree program (45-60 hours) often formed by combining multiple CTS’s and/or TCA’s.

**AAS** = Associate of Applied Science Degree: An applied/academic degree program (60-72 hours), primarily designed to prepare students for immediate employment or career entry.

**AGS** = Associate of General Studies: An academic program (60 hours) that allows students to select a concentration to prepare them for career entry, but which may also transfer to a baccalaureate program.

**AALT** = Associate of Arts Louisiana Transfer Degree: An academic program (60 hours) that is designed to facilitate transfer from community colleges to related baccalaureate degree programs at public universities in Louisiana.

The AAS degrees at SOWELA are not designed for transfer into a baccalaureate program of study and are considered terminal credentials. However, courses within these programs and in some cases (at the discretion of the receiving institution) an entire program may be accepted for credit toward an advanced degree. Students desiring to transfer coursework from SOWELA to another institution must verify with the receiving institution that the coursework is transferable.
ACCOUNTING TECHNOLOGY

School: Business and Applied Technology

Program Description: The Associate of Applied Science in Accounting Technology program is designed to prepare the student for general office work emphasizing manual and computerized accounting. The mission of the Accounting Technology program is to provide a quality educational experience through excellence in teaching, hands-on application of entry-level accounting techniques, and interaction with the accounting and business community. The accounting program prepares students for careers in the business world or for continuing education in a four-year institution. It includes instruction in general accounting principles and practices, posting transactions to accounts, record-keeping systems, and accounting software operation. The program emphasizes safe and efficient work practices, basic occupational skills, and employability skills.

The content is organized into competency-based courses that specify occupational competencies that the student must successfully complete.

Dean: Dr. David Shankle

Program Coordinator: Debbie Lejeune

Program Instructors: Ricky Monceaux, Winston Richard, Tamalla Green, Kylie Schmaltz (Morgan Smith Site)

Special Comments: A minimum grade of C is required in all Accounting Technology major-specific courses.

Overall Grade Point Average: Program requirements must be completed with an overall grade point average of 2.0 in order to receive an associate degree, certificate or diploma.

Student Learning Outcomes: Students who successfully complete the Accounting Technology Program will be able to:

1. Identify the accounting equation and define each of its elements.
2. Demonstrate the preparation of a set of financial statements in accordance with generally accepted accounting principles (GAAP).
3. Demonstrate the fundamentals of business style in written and oral communication.

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<table>
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<tr>
<th>Semester 1</th>
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<th>Course Title</th>
<th>Lecture</th>
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Semester 1

**Business Elective:** 3 0 3

General Education Course 3 0 3

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AAS – Accounting Technology Degree (60) 15

CIP Code: 520302

Total Clock Hrs: 900

(Continued on next page)
(Continued from previous page)

*Approved Accounting Electives: 9 hours
ACCT 1120 Bookkeeping Applications
ACCT 1150 Federal Income Tax
ACCT 1210 Computerized Accounting I
ACCT 1250 Payroll Accounting

**Approved Business Electives: 3 hours
BUSI 1010 Banking Principles
BUSI 1012 Banking Customer Service
BUSI 1030 Introduction to Business
BUSI 1080 Human Resource Management

****Approved Elective: 3 hours
Any College Course

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CIP Code: 520302
AUTOMOTIVE TECHNOLOGY

School: Industrial Technology

Program Description: The purpose of the Automotive Technology 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. The program prepares the individual to select, safely use, and maintain hand and power tools, jacks, and hoisting equipment; provides instruction in the diagnosis of malfunctions and the repair of engines; instruction in the analysis of fuel, electrical, cooling, brake systems, drive train, and suspension systems are included. The competencies in the Automotive Technology program are closely 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 that the individual must successfully complete according to the priorities for tasks established by the National Automotive Technicians Education Foundation (NATEF).

Interim Dean: David Lafargue

Program Coordinator: Lewis Williams

Program Instructors: Thomas Richard, Lewis Williams.

Program Accreditation: National Automotive Technicians Education Foundation (NATEF)

Special Comments: A minimum grade of C is required in all Automotive Technology major-specific courses.

Overall Grade Point Average: Program requirements must be completed with an overall grade point average of 2.0 in order to receive a certificate or diploma.

Student Learning Outcomes: Students who successfully complete the Automotive Technology Program will be able to:
1. Demonstrate the use of tools and equipment used in the automotive service industry.
2. Describe the theory of operation of automotive systems.
3. Diagnose and document component failures.
4. Inspect, adjust, repair or replace automotive components.
5. Locate manufacturer specific information.
6. Demonstrate knowledge of safety procedures, hazards, housekeeping, and appropriate cautions in the automotive industry.

### Diploma/Certificate Options

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<td>Electrical/Electronic II</td>
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<td>Engine Performance I</td>
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<td>AUTO 1102</td>
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<td>AUTO 1402</td>
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<td>AUTO 1502</td>
<td>Brakes</td>
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CIP Code: 470604

Total Clock Hrs: 1350
AVIATION MAINTENANCE TECHNOLOGY

School: Industrial Technology

Program Description: The mission of the Aviation Maintenance Technology program is to provide a teacher-learning environment that will prepare students for certification by the Federal Aviation Administration (FAA) in airframe and powerplant mechanics. The certification process consists of three separate tests detailing the General, Airframe, and Powerplant sections. In addition, three separate oral and practical tests are administered by an FAA designated examiner. Upon successful completion of the three tests, the graduate is awarded the A & P Mechanic Certificate. The Aviation Maintenance Technology program provides a safe and healthy environment for learning, encourages students to become critical thinkers and lifelong learners, and attempts to establish relationships with students and employers that promote upgrading of skills for continued advancement in the field.

Interim Dean: David Lafargue
Program Coordinator: Troy Fontenot
Program Instructors: Anthony Savant, Troy Fontenot, Jerome Gueringer.

Special Comments:
The grading scale utilized in this program is set by the FAA. According to the FAA grading scale, which differs from the SOWELA grading scale, the minimum grade required in all Aviation Maintenance Technology major-specific courses is 70% or the letter grade D.

As an ATMAE accredited program, graduates in Aviation Maintenance Technology must successfully complete a minimum of twelve hours of technical coursework at SOWELA.

All AMTG, AMTA, AMTP courses are FAA Certificated, all other courses listed are not FAA Certificated.

Overall Grade Point Average: Program requirements must be completed with an overall grade point average of 2.0 in order to receive an associate degree, diploma or certificate.

Student Learning Outcomes: Students who successfully complete the Aviation Maintenance Technology Program will be able to:

1. Execute Federal Aviation Administration (FAA) forms/records and compose appropriate corresponding aircraft maintenance records entries.
2. Troubleshoot and repair basic aircraft electrical systems utilizing manufacturer data.
3. Inspect an aircraft to show compliance with a 100 hour/Annual inspection in accordance with the Title 14 of the Code of Federal Regulations (CFR).
4. Satisfactorily pass the Federal Aviation Administration (FAA) knowledge, oral, practical and written examinations in General, Airframe, and Powerplant subjects.
5. Obtain FAA general mechanic, airframe and powerplant certificiations.
6. Demonstrate a working knowledge and mechanical ability to inspect, maintain, service and repair aircraft electrical, engine (piston and turbine), airframe structure, flight control, hydraulic, pneumatic, fuel, navigation and instrument systems and other aircraft components specified by Federal Aviation Regulation Part 147.
7. Identify, install, inspect, fabricate and repair aircraft sheet metal and synthetic material structures.

8. Display proper behavior reflecting satisfactory work habits and ethics to fulfill program requirements and confidence to prepare for employment.
9. Demonstrate knowledge of safety procedures, hazards, housekeeping, and appropriate cautions in the aviation maintenance industry.

Course No.  Course Title               Lecture  Lab  Total Credit Hrs

Semester 1
AMTG 1010  Aircraft Math & Physics  1  1  2
AMTG 1020  Aircraft Drawings        .5  .5  1
AMTG 1040  Materials and Processes  1  1  2
AMTG 1050  Fluid Lines and Fittings .5  .5  1
AMTG 1070  Weight and Balance       1  1  2
AMTG 1030  Ground Operation and Servicing .5  .5  1
AMTG 1060  Cleaning and Corrosion Control .5  .5  1
AMTG 1080  Documents & Regulations  1  1  2
AMTG 1090  Basic Electricity         2  1  3
JOBS 2450  Job Seeking Skills        2  0  2
General Education Course  3  0  3

Total: 23

Semester 2
AMTA 2000  Aircraft Fuel Systems     1  1  2
AMTA 2010  Wood Structures and Covering .5  .5  1
AMTA 2020  Aircraft Finishes          .5  .5  1
AMTA 2030  Sheet Metal                2  2  4
AMTA 2040  Composites                1  1  2
AMTA 2050  Welding                    .5  .5  1
AMTA 2060  Assembly and Rigging       1  1  2
AMTA 2070  Hydraulics and Pneumatics  1  1  2
AMTA 2080  Landing Gear & Position/Warning System  1  1  3
General Education Course  3  0  3

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(continued from previous page)

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**Semester 3**

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<td>Aircraft Instruments</td>
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<td>AMTA 2110</td>
<td>Communication and Navigation System</td>
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<td>.5</td>
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<tr>
<td>AMTA 2120</td>
<td>Cabin Atmosphere</td>
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<td>AMTA 2130</td>
<td>Ice and Rain</td>
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<td>Aircraft and Engine Fire Protection</td>
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<td>Turbine Engines &amp; APU</td>
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<td>Exhaust (Reversible) and Cooling System</td>
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<td>Fuel Metering Systems</td>
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<td>AMTP 2300</td>
<td>Propellers and Rotors</td>
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**AAS - Aviation Maintenance Technology (86)**

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**TCA – Aviation Maintenance Helper (15)**

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<td>Wood Structures and Covering</td>
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<td>AMTA 2020</td>
<td>Aircraft Finishes</td>
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**CTS – Airframe (41)**

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<td>Reciprocating Engines</td>
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**Total Clock Hrs: 2223**

**CIP Code 470608**
SOWELA Technical Community College

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<td>Fuel Metering Systems</td>
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<td>AMTP 2300</td>
<td>Propellers and Rotors</td>
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*CTS - Powerplant does not include CTS - Airframe

**Certified Nurse Assistant**

School: Nursing & Allied Health

Program Description: The Certified Nurse Assistant 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, basic nursing skills, body structure and function, and infection control. Students participate in clinical activities under the supervision of the instructor. All OBRA Skill Standards are included in this competency-based curriculum. Upon completion of the program, the student is qualified for certification and employment in the areas of long-term home health and acute care.

Interim Dean: Paula Hellums, RN, MSN.

Program Coordinator: Paula Hellums, RN, MSN.

Program Instructors: Patrice Fontenot, RN, BSN; Charon Randel, RN, MSN; Lisa Rogers, RN, ADN; Gloria White, RN, ADN; Sarah Seaman, RN, BSN; Patricia Montou, RN, BSN; Leslie Ferrygood, RN, MSN, Kristine Lyons, RN, MSN.

Program Coordinator Morgan Smith Site: Charon Randel, RN, BSN.

Program Instructors Morgan Smith Site: Kecia Clark, RN, BSN; Rebecca Doucet, RN, MSN; Pat Pousson, LPN; Charon Randel, RN, MSN, Barbara Ewalt, RN, MSN.

Clinical Sites: Grand Cove, Lake Charles Care Center, Lake Charles Memorial Hospital, Resthaven Nursing Rehabilitation Center.

Clinical Sites Morgan Smith: Jeff Davis Living Center, Southwest Louisiana War Veterans Home, Jennings American Legion Hospital, Camelot Brookside.

Special Comments: All courses in the Certified Nurse Assistant Program must be completed with a grade of C or higher.

Overall Grade Point Average: Program requirements must be completed with an overall grade point average of 2.0 in order to receive a technical competency area certificate.

Student Learning Outcomes: Students who successfully complete the Certified Nurse Assistant Program will be able to:

1. Demonstrate basic nursing skills while maintaining infection control and safety standards.
2. Perform cardiopulmonary resuscitation (CPR).
3. Demonstrate basic personal care skills for the client.
4. Demonstrate basic mental health and social service needs by modifying his/her own behavior in response to residents’ or clients’ behavior.
5. Demonstrate skills which incorporate principles of restorative nursing, including the use of assistive devices.
6. Demonstrate behavior which maintains residents’ or clients’ rights, including, but not limited to, providing privacy and maintenance of confidentiality and allowing clients to make personal choices to accommodate individual needs when possible, and providing care which safeguards the client against abuse.

Certified Nurse Assistant Admission Requirements: To be considered for the Certified Nurse Assistant program, an applicant must:

1. Submit a completed application.
2. Submit official copies of ACT, COMPASS, or ASSET scores and official copies of transcripts of all college work to the Admission Office.

3. Satisfactorily complete one of two categories for admission below:
   a. Achieve an ACT score of: Reading 13, or
   b. Achieve a COMPASS score of: Reading 60.

4. Be physically and emotionally able to meet the requirements of the program as determined by a qualified physician.

Limited openings are available in the Nurse Assistant Program. Acceptance will be determined by the date of the application and satisfactory completion of the admission criteria. Part of the application process includes authorization for a background verification to be done by a consumer-reporting agency. An applicant may be denied placement in clinical rotations based wholly or partially on information contained in the report. If participation in clinical is denied by the clinical site(s), the student will be dropped from the program, as he/she will be unable to meet program requirements.

### CERTIFIED NURSE ASSISTANT

**Technical Competency Area Certificate**

<table>
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<th>Lecture</th>
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<td>Basic Body Structure and Function</td>
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<td>ANUR 1233</td>
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<td></td>
<td>TCA – Certified Nurse Assistant</td>
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**CIP Code:** 513902

**Total Clock Hrs:** 214

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### COLLISION REPAIR TECHNOLOGY

**School:** Industrial Technology

**Program Description:** The purpose of the Collision Repair Technology program is to provide specialized instruction and practical shop experience to prepare students for employment in a variety of jobs in the field of collision repair. The Collision Repair Technology program prepares individuals to repair modern vehicles. This includes identification and analysis of damage, measurement, straightening, welding, structural repair and replacement, corrosion, alignment, refinishing, trim and glass replacement, plastic repair, and working with electrical and mechanical components as they pertain to collision repair.

**Interim Dean:** David Lafargue

**Program Coordinator:** Tim McCarty

**Program Instructors:** Tim McCarty

**Special Comments:** A minimum grade of C is required in all Collision Repair Technology major-specific courses.

**Overall Grade Point Average:** Program requirements must be completed with an overall grade point average of 2.0 in order to receive a diploma or certificate.

**Student Learning Outcomes:** Students who successfully complete the Collision Repair Technology Program will be able to:

1. Perform body panel and minor structural repairs and parts replacement.
2. Perform vehicle refinishing preparation, application, and paint detailing.
3. Dismantle and reassemble vehicle body parts, trim, interior components, and non-structural glass.
4. Perform minor mechanical and electrical collision related procedures.
5. Assess a vehicle’s damage, develop a repair plan through interpretation of service information, and communicate the calculation of repair costs and procedures to related parties.
6. Demonstrate knowledge of safety procedures, hazards, housekeeping, and appropriate cautions in the collision repair industry.
### COLLISION REPAIR TECHNOLOGY

#### Diploma/Certificate Options

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Lecture</th>
<th>Lab</th>
<th>Total Credit Hrs</th>
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<tr>
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<td>Orientation and Safety</td>
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<td>CLRP 1121</td>
<td>Tools and Equipment</td>
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<td>CLRP 1131</td>
<td>Identification and Analysis</td>
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<td>CLRP 1140</td>
<td>Basic Automotive Electricity</td>
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<td>Mechanical Components</td>
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<td>CLRP 1220</td>
<td>Welding and Cutting</td>
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**CIP Code:** 470603  
**Total Clock Hrs:** 1740

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### COMPUTER TECHNOLOGY - NETWORKING SPECIALIST

**School:** Business & Applied Technology

**Program Description:** The mission of the Networking Specialist program is to train students in installing, configuring, and troubleshooting network and operating systems. Program courses provide a thorough background in PC computer hardware and operating systems, local networking, and internet technologies. In addition, the program provides a background in analyzing business requirements and designing and implementing network infrastructure for business solutions. The courses prepare the student for various certifications in: CompTIA's A+, Network+, Security+, MCP (Microsoft Certified Professional), Cisco's CCENT (Cisco Certified Entry Network Technician) and CCNA (Cisco Certified Network Associate), and MCSE (Microsoft Certified Systems Engineer).

**Dean:** Dr. David Shankle  
**Program Coordinator:** Debbie Lejeune  
**Program Instructors:** Rocky Schexneider, Barry Humphus, ShaDawnya Semien, Dr. Martha Schexneider.

**Program Accreditation:** Association of Technology, Management, and Applied Engineering (ATMAE)

**Special Comments:** A minimum grade of C is required in all Information Technology courses.

**Overall Grade Point Average:** Program requirements must be completed with an overall grade point average of 2.0 in order to receive a degree, certificate or diploma.

**Student Learning Outcomes:** Students who successfully complete the Networking Specialist Degree will be able to:

1. Demonstrate a working knowledge of PC Hardware.
2. Demonstrate a working knowledge of PC Software.
3. Gain hands-on experience in computer networking.
### COMPUTER TECHNOLOGY - NETWORKING SPECIALIST

**Associate of Applied Science**

<table>
<thead>
<tr>
<th>Course No.</th>
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<td>IT Ethics &amp; Career Development</td>
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<tr>
<td>IITE 2995</td>
<td>Internship</td>
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**Approved Electives: 6 hours, Any College Course**

**Approved Networking Electives: 8 hours**

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<td>IITE 1820</td>
<td>Linux+</td>
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<td>IITE 2010</td>
<td>MCSE 2-Windows Server</td>
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<td>IITE 2020</td>
<td>MCSE 3-Windows Network</td>
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<td>IITE 2030</td>
<td>MCSE 4-Windows Directory Services Admin</td>
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<td>MCSE Core/ Elective (Designing a MS Windows Directory Services Infrastructure)</td>
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<td>IITE 2090</td>
<td>Installing, Configuring &amp; Administration of MS</td>
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<td>IITE 2125</td>
<td>Health Information Networking</td>
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<td>IITE 2130</td>
<td>Introducing Routing and Switching in the Enterprise</td>
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<td>IITE 2140</td>
<td>Designing and Supporting Computer Networks</td>
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<td>IITE 2670</td>
<td>Networking Security</td>
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### COMPUTER TECHNOLOGY - NETWORKING SPECIALIST

**Diploma/Certificate Options**

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<td>IITE 1016</td>
<td>Problem Solving and Decision Making</td>
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<td>IITE 2110</td>
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<td>IITE 2120</td>
<td>Working at a Small-to-Medium Business or ISP</td>
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<td>TCA – Cisco Networking Technician (8)</td>
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<td>IITE 1200</td>
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<td>CTS – IT Network Apprentice (22)</td>
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CIP Code: 110901 23

(Continued on next page)
COMPUTER TECHNOLOGY - PROGRAMMING SPECIALIST

School: Business and Applied Technology

Program Description: The mission of the Programming Specialist program is to train students to competently develop, design, problem solve, implement, maintain, and integrate high quality reliable coding techniques that are portable across multiple platforms, current and future operating systems, and libraries. The program consists of classroom instruction, supervised programming assignments, and hands-on projects. Emphasis in this program is placed on critical thinking skills, multiple programming languages, relational databases, Web Site design, and the non-technical skills essential to gaining employment and participating effectively in the workplace. This program is organized to allow students to earn the following occupational competencies while pursuing the Associates of Applied Science Degree: Software Support Technician and Software Apprentice.

Dean: Dr. David Shankle

Program Coordinator: Debbie Lejeune

Program Instructors: Mary Kennerson, Katie Johnson, Dr. Martha Schexneider.

Program Accreditation: Association of Technology, Management, and Applied Engineering (ATMAE)

Special Comments: A minimum grade of C is required in all Information Technology courses. As an ATMAE accredited program, graduates in Programming must successfully complete a minimum of twelve hours of technical coursework at SOWELA.

Overall Grade Point Average: Program requirements must be completed with an overall grade point average of 2.0 in order to receive an associate degree, certificate or diploma.

Student Learning Outcomes: Students who successfully complete the Programming Specialist Associate Degree will be able to:
1. Display data from related tables.
2. Demonstrate a working knowledge of developing applications utilizing various programming languages such as Visual Basic, C#, Java, etc.
3. Gain hands-on experience in Programming.

Course No. Course Title Lecture Lab Total Credit Hrs
Semester 1
ITEC 1000 Application Basics 3 0 3
ITEC 1210 Introduction to Programming 3 0 3
*Elective 3 0 3
General Education Course 3 0 3
General Education Course 3 0 3

Semester 2
ITEC 1010 Web Site Development 3 0 3
ITEC 1320 Database Management 3 0 3
**Programming Elective 3 0 3
*Elective 3 0 3
General Education Course 3 0 3

Semester 3
ACCT 1110 Fundamentals of Accounting 3 0 3
ITEC 1200 Operating Systems 3 1 4
***Advanced Programming Elective 3 0 3
**Programming Elective 3 0 3
General Education Course 3 0 3

Semester 4
ENGL 1020 English Composition II 3 0 3
ITEC 2911 IT Ethics & Career Development 3 0 3
ITEC 2995 Internship 3 3
*Elective 3 0 3
General Education Course 3 0 3

AAS – Computer Technology - Programming Specialist (61)

*Approved Electives: 9 hours Any College Course
**Approved Programming Electives: 6 hours
ITEC 1531 Intro to C Programming ITEC 1571 Introduction to JAVA
ITEC 1550 Intro to Visual Basic ITEC 1610 Intro to Game Program.
ITEC 1570 Programming with VBA

***Approved Advanced Programming Electives: 3 hours
ITEC 1020 Advanced Web Site Dev ITEC 2450 Advanced Visual Basic
ITEC 1532 Advanced C Programming ITEC 2570 Advanced JAVA
ITEC 1620 Advanced Game Programming

Total Clock Hrs: 990

CIP Code: 110202
COMPUTER TECHNOLOGY - PROGRAMMING SPECIALIST

**School:** Arts & Sciences

**Program Description:** The mission of the Criminal Justice program is to provide specialized classroom instruction and practical experience to prepare students for employment or promotional opportunities in criminal justice agency positions in crime prevention, public safety, corrections, or other related fields. This program is designed to educate students who wish to pursue a career in criminal justice or for additional training of individuals already employed in the field. The program emphasizes safe and efficient work practices, basic occupational skills, and the application of federal, state, and local laws as they apply to both emergency and routine situations. Course content is organized into competency-based courses of instruction that specify occupational competencies that the student must successfully complete.

**Dean:** Dr. Charles Stewart

**Program Coordinator:** Dr. Lisa Quibodeaux

**Program Instructors:** Dr. Lisa Quibodeaux, Ricky Titus, David McMurry, Jonathan Byrd, Alberto Galan.

**Special Comments:** A minimum grade of C is required in all Criminal Justice major-specific courses.

**Overall Grade Point Average:** Program requirements must be completed with an overall grade point average of 2.0 in order to receive an associate degree, certificate or diploma.

**Student Learning Outcomes:** Students who successfully complete the Criminal Justice Associate Degree or Diploma program will be able to:

1. Demonstrate knowledge and skills required for entry-level employment in the criminal justice profession.
2. Demonstrate knowledge of the issues and dilemmas facing contemporary criminal justice.
3. Apply their analytical skills to applied, professional tasks and team efforts in criminal justice.
4. Communicate successfully within the criminal justice profession using verbal, written, and basic computer literacy skills.
5. Critically evaluate current criminal justice strategies for strengths and weaknesses, and reformulate policy to enhance criminal justice efficiency.

**Course No.** | **Course Title** | **Lecture** | **Lab** | **Total Credit** |
--- | --- | --- | --- | --- |
ITEC 1000 | Application Basics | 3 | 0 | 3 |
ITEC 1210 | Introduction to Programming | 3 | 0 | 3 |
TCA – Software Support Technician (6) | | | | 6 |
ITEC 1010 | Web Site Development | 3 | 0 | 3 |
ITEC 1320 | Database Management | 3 | 0 | 3 |
Programming Elective | | 3 | 0 | 3 |
Elective | | 3 | 0 | 3 |
Elective | | 3 | 0 | 3 |
CTS – Software Apprentice (21) | | | | 15 |
ACCT 1110 | Fundamentals of Accounting | 3 | 0 | 3 |
ITEC 1200 | Operating Systems | 3 | 1 | 4 |
Advanced Programming Elective | | 3 | 0 | 3 |
Programming Elective | | 3 | 0 | 3 |
ITEC 2911 | IT Ethics & Career Development | 3 | 0 | 3 |
ITEC 2995 | Internship | | 3 | 3 |
ENGL 1020 | English Composition II | 3 | 0 | 3 |
Elective | | 3 | 0 | 3 |
TD – Computer Technology - Programming Specialist (46) | | | | 25 |

CIP Code: 110202
## CRIMINAL JUSTICE
### Associate of Applied Science

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<td>CRMJ 1332</td>
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**CIP Code: 430104**

**Total Clock Hrs: 975**
CULINARY ARTS

School: Arts & Sciences

Program Description: Pursuing a career as a professional chef means developing methods, skills and a combination of techniques applied on a daily basis in the ever challenging and changing world of the kitchen. Upon completion of the Culinary Arts program a graduate will have the basic skills needed to pursue an entry level career in the culinary industry.

The culinary arts degree is designed for students to develop skills within the field of culinary arts along with essential supervisory and management skills necessary to operate a kitchen facility or other related foodservice business. Students will matriculate through courses related to food production, sanitation and safety, and service standards along with nutrition, management cost control skills, supervisory skills, and kitchen management.

The Culinary Arts program at SOWELA offers a wide range of varied and exciting internship opportunities at many of the area’s best food and lodging establishments. So whether you are ready to start your new career, want to improve and update your current skills or just want to learn more about the world of hospitality, SOWELA has what you need.

Dean: Dr. Charles Stewart

Program Coordinator: Jerry Sonnier

Program Instructors: Jerry Sonnier, Ed Neeley, Roy Angelle and Mary Ellen Fontenot.

Program Accreditation: Commission of the American Culinary Federation Education Foundation

Special Comments: A minimum grade of C is required in all Culinary Arts major-specific courses.

Overall Grade Point Average: Program requirements must be completed with an overall grade point average of 2.0 in order to receive an Associate of Applied Science Degree, certificate or a diploma.

Student Learning Outcomes: Students who successfully complete the Culinary Arts Degree will be able to:

1. Demonstrate the knowledge and skills of dining room service.
2. Demonstrate the knowledge and skills of sanitation and safety.
3. Identify culinary terminology, kitchen equipment and tools and their use.
4. Demonstrate standard vegetable and protein cuts and cooking techniques that are essential in the industry.
5. Demonstrate the knowledge and skills as it applies to fundamentals of nutrition.
6. Demonstrate the basic principles and ingredients of the bakeshop.
7. Demonstrate the basic supervisory management skills and management styles.

Course No. Course Title Lecture Lab Total Credit Hrs

**Semester 1**
CULN 1103 Basic Skills Development 3 0 3
CULN 1172 Essentials of Dining Room Service 1 1 2
CULN 1133 Sanitation and Safety 3 0 3
CULN 1506 Introduction to Culinary Principles 2 4 6
CULN 1223 Nutrition 3 0 3

**Semester 2**
CULN 1603 Culinary Productions Principles for Dining Facilities 0 3 3
CULN 2413 Regional Cuisine 1 2 3
CULN 1323 A’La Carte 0 3 3
CULN 1233 Garde Manger 1 2 3
CULN 1953 Introduction to Baking and Pastry 1 2 3
General Education Course 3 0 3

**Semester 3**
CULN 2110 Culinary Productions Externship 0 10 10
General Education Course 3 0 3
General Education Course 3 0 3

**Semester 4**
CULN 2433 Food & Beverage Operation 3 0 3
General Education Course 3 0 3
General Education Course 3 0 3

AAS – Culinary Arts (60) CIP Code: 120503 Total Clock Hrs: 1500
**CULINARY ARTS**

**Diploma/Certificate Options**

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**TD - Culinary Arts (45)**

CIP Code: 120503

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**DRAFTING AND DESIGN TECHNOLOGY**

**School:** Arts & Sciences

**Program Description:** The mission of the Drafting and Design Technology program is to provide a teacher-learning environment that will afford every student an opportunity to obtain the board and computer drafting skills needed for employment and advancement in the areas of Structural, Architectural, Civil/Surveying, Electrical, Machine/Manufacturing, Piping and Structural/Strength and Materials Drafting. The Drafting program provides a safe and healthy environment for learning, encourages students to become critical thinkers, and attempts to establish a relationship with students and employers that promote upgrading skills for advancement in their drafting career.

**Dean:** Dr. Charles Stewart

**Interim Program Coordinator:** Erik Jessen

**Program Instructors:** Jason Parker, Aaron Goodman

**Program Accreditation:** Association of Technology, Management, and Applied Engineering (ATMAE)

**Special Comments:** A minimum of C is required in all Drafting and Design Technology major-specific courses.

As an ATMAE accredited program, graduates in Drafting and Design Technology must successfully complete a minimum of twelve hours of technical coursework at SOWELA.

**Overall Grade Point Average:** Program requirements must be completed with an overall grade point average of 2.0 in order to receive a degree, certificate or a diploma.

**Student Learning Outcomes:** Students who successfully complete the Drafting and Design Technology Degree or Diploma Program will be able to:

1. Use industry-standard equipment, and software to create working drawings, in various disciplines of drafting, for use in construction.
2. Interpret ideas or sketches from engineers and designers into working drawings.
3. Collect field notes and data on existing equipment or property to be used in the creation of working drawings.
4. Apply appropriate terminology to effectively communicate with professions in the Architecture, Engineering and Design office environment.
5. Exhibit professionalism through active participation in class activities and successful completion of group projects.
### DRAFTING AND DESIGN TECHNOLOGY

**Associate of Applied Science**

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**Elective Drafting Classes (Not Required for the AAS degree):**

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**Diploma/Certificate Options**

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**CIP Code:** 151301
GENERAL APPRENTICESHIP: ELECTRICAL CONSTRUCTION

School: Industrial Technology

Program Description: The General Apprenticeship with a concentration in Electrical Construction is a 50 credit hour program for apprentices of the International Brotherhood of Electrical Workers (IBEW) that prepares them with the required classroom theory added to their in-the-field work experience to attain the level of journeyman in the electrical field. The essential purpose of this program is to meet the changing needs of this labor group and to provide the highest level of education possible for employees of the region in electrical work. The goal of this program is to provide specialized skilled-trades courses in an effort to provide students with the skills necessary, based on industry standards, to become electrical journeymen. The curriculum places emphasis on the development of a common set of trade skills.

Interim Dean: David Lafargue

Program Coordinator: David Lafargue

Program Instructors: Marc Deville, Steven Gaspard, Larry Hornsby, Terry Hornsby, Jesse Fontenot, Darrin Keeling, Jon Stephens, and John Hicks.

Special Comments: Applicants must be approved by the Joint Apprenticeship Training Committee (JATC) for IBEW Local 861 or one of its affiliates.

Overall Grade Point Average: Program requirements must be completed with an overall grade point average of 2.0 in order to receive the technical diploma or certificate.

Student Learning Outcomes: Students who successfully complete the General Apprenticeship: Electrical Construction program will be able to:

1. Demonstrate positive work habits and use appropriate procedures, tools and equipment, consistent with all applicable standards and OSHA regulations.
2. Make clear and effective presentations to individuals and groups.
3. Demonstrate basic mechanical drawing skills.
4. Use various types of blueprints to perform work-related functions.
5. Apply math skills to analyze and solve work-related problems.
6. Apply writing skills to create reports related to technical work documents and other related tasks.
7. Apply basic laws of physics (Ohm’s law, Boyle’s law, circuitry, load, and demonstrations as proof of formula) to solve work-related problems.
8. Demonstrate knowledge of safety procedures, hazards, housekeeping, and appropriate cautions in the electrical construction industry.

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<th>Course Title</th>
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CIP Code: 460301
Total Clock Hrs: 750
GENERAL APPRENTICESHIP: PLUMBING CONSTRUCTION

School: Industrial Technology

Program Description: The General Apprenticeship with a concentration in Plumbing Construction is a 50 credit hour program for plumbers and steamfitters apprentices that prepares them with the required classroom theory added to their in-the-field work experience to attain the level of journeyman in the plumbing field. The essential purpose of this program is to meet the changing needs of this labor group and to provide the highest level of education possible for employees of the region in plumbing work. The goal of this program is to provide specialized skilled-trades courses in an effort to provide students with the skills necessary, based on industry standards, to become plumbing journeymen. The curriculum places emphasis on the development of a common set of trade skills.

Interim Dean: David Lafargue
Program Coordinator: David Lafargue
Program Instructors: Richard Campbell, Jr., Michael Nunez, Richard Paulk.
Special Comments: Applicants must be approved by the Apprenticeship Training Committee (ATC) for Plumbers and Steamfitters Local 106 or one of its affiliates.

Overall Grade Point Average: Program requirements must be completed with an overall grade point average of 2.0 in order to receive the technical diploma or certificate.

Student Learning Outcomes: Students who successfully complete the General Apprenticeship: Plumbing Construction diploma program will be able to:
1. Demonstrate positive work habits and use appropriate procedures, tools and equipment, consistent with all applicable standards and OSHA regulations.
2. Make clear and effective presentations to individuals and groups.
3. Use various types of blueprints to perform work-related functions.
4. Apply math skills to analyze and solve work-related problems.
5. Recognize and classify drawings related to the plumbing industry.
6. Apply writing skills to create reports related to technical work documents and other related tasks.
7. Recognize, classify and demonstrate welding techniques related to the plumbing industry.
8. Recognize and discuss portions of the Plumbing Code.
9. Distinguish and apply techniques for sewer cleaning & stoppage repair.
10. Demonstrate knowledge of safety procedures, hazards, housekeeping, and appropriate cautions in the electrical construction industry.

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CIP Code 460503
Total Clock Hrs: 750

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132 133
SOWELA Technical Community College  
GENERAL STUDIES
Associate of General Studies

School: Arts & Sciences

Program Description: The Associate of General Studies degree is a flexible program designed to help students reach their educational or occupational goals. The degree provides an opportunity for students to earn an associate degree when their specific needs are not met through other degree options. The degree also allows students to explore a variety of academic fields before selecting a specific educational or career path. The Associate of General Studies degree is designed with three primary components. Graduates must complete the general education core requirements, an area of concentration, and enrichment courses.

Dean: Dr. Charles Stewart
Program Coordinator: Dr. Charles Stewart
Program Instructors: Dr. Charles Stewart, Luann Ballou, Alex Bell, Todd Carrere, Lacey Couch, Dr. Mandy Creel, Matthew Dye, Jonathan Frantz, Katrina Freeman, Robert Groth, Kristen S. Ison, Dane Landry, Dr. Kathy Lewis-Thomas, Angela Madden, Dorothy E. McCormick, Anita Morris, Dr. Lane Nevils, Susan Shafer, Pamela K. Smith, Stephanie Smith, Dr. Paige Spencer, Dr. Bridget Whelan.

Special Comments: To be awarded this degree, students must earn a C or better in all courses within the areas of concentration. All courses in the AGS degree program are to be selected in consultation with an advisor.

Overall Grade Point Average: Program requirements must be completed with an overall grade point average of 2.0 or better in all credits used to fulfill degree requirements.

Student Learning Outcomes: Students who successfully complete the General Studies Degree Program will be able to:
1. Demonstrate knowledge of the humanities, science, mathematics, and social and behavioral sciences in order to understand the world and its cultures.
2. Apply the skills of inquiry and analysis, quantitative literacy, problem solving, and critical thinking.
3. Communicate effectively through writing, speaking, reading, and listening.
4. Employ computer skills and information literacy.
5. Work cooperatively with others to evaluate a situation, and institute priorities for solving a problem or accomplishing a task.

Objectives of the Associate of General Studies:
- To provide a flexible degree option for students whose educational needs are not met by existing degree programs.
- To provide coursework that allows students to transfer to a baccalaureate degree program with minimal or no loss of credit.
- To provide students a means of developing marketable skills for their chosen career paths.

Program of Study
Students admitted to the AGS degree, whose academic skills require that they be placed in transitional mathematics and/or English, must complete the appropriate transitional sequence(s) before enrolling in MATH 1100 and ENGL 1010.

Special Degree Requirements:
- Students wishing to earn an Associate of General Studies Degree must:
  - Complete the 27 hours General Education requirement
  - Complete six hours in each of three Enrichment Blocks (15 hours; chosen from two of the three blocks)
  - Complete a Concentration Area* (18 hours)

General Education Core Requirements 27 Credit Hours
- English Composition - ENGL 1010, 1020 (6 hours)
- Mathematics - MATH 1100 or higher (3 hours)
- Humanities (3 hours)
- Natural Science (6 hours)
- Social/Behavioral Science (6 hours)

Concentration 18 Credit Hours
- Arts & Humanities
- Natural Science/Mathematics

(A coherent selection of courses designed to meet the career objectives of the student)

Enrichment Electives 15 Credit Hours
- (15 hours, 6 hours from two enrichment blocks other than the area of concentration)
- Block 1 – Arts and Humanities (Communications, Literature, History and Religion)
- Block 2 – Natural Science/Mathematics (Mathematics, Statistics, Biology, Environmental Science, and Physical Science)
- Block 3 – Social/Behavioral Science (Economics, Psychology, Sociology, Government, Geography)

Associate of General Studies (AGS) 60 Credit Hours
### Suggested Sequence of Coursework:

#### Associate of General Studies

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**CIP Code:** 240102

**Total Clock Hrs:** 900
## GENERAL STUDIES

### Certificate of General Studies

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### Certificate of General Studies (CGS) (30)

CIP Code: 240102

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## GRAPHIC ART

### School:
Arts & Sciences

### Program Description:
The mission of the Graphic Art program is to provide a teacher-learning environment that will afford students an opportunity to obtain competency skills for employment and advancement in the fields of advertising, photography, printing, video, web development and animation. The Graphic Art program provides a safe and healthy environment for learning, encourages students to become critical thinkers, and attempts to establish relationships with students and employers that promote an upgrading of skills for continued advancement in the field.

### Dean:
Dr. Charles Stewart

### Interim Program Coordinator:
Erik Jessen

### Program Instructors:
Erik Jessen, Judd Bares, Darrell Buck, Gray Little.

### Program Accreditation:
Association of Technology, Management, and Applied Engineering (ATMAE)

### Special Comments:
All Graphic Art courses must be completed with a grade of C or higher.

### Overall Grade Point Average:
Program requirements must be completed with an overall grade point average of 2.0 in order to receive an associate degree, certificate or diploma.

As an ATMAE accredited program, graduates in Graphic Art must successfully complete a minimum of twelve hours of technical coursework at SOWELA.

### Student Learning Outcomes:
Students who successfully complete the Graphic Art Associate Degree or Diploma Program will be able to:

1. Use industry standard software to modify photographs and images and create illustrations.
2. Integrate photographs, illustrations, and text to create professional layouts for print and web.
3. Use industry standard software to create images, edit video tape, and create animations to be incorporated into websites or television productions.
4. Demonstrate a working knowledge of the vocabulary and terminology of the graphic arts industry.
5. Work effectively both individually and as a member of a diverse production team.
### Graphic Arts Associate of Applied Science

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AAS – Graphic Art (60)

CIP Code: 500402
Exit diploma total: 1560

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### Graphic Arts Diploma/Certificate Options

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TD – Graphic Art (45)

CIP Code: 500402
INDUSTRIAL ELECTRICIAN

School: Industrial Technology

Program Description: The Industrial Electrician program 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, industrial instruments, PLC’s, and lighting systems. Program specialties emphasize safe and efficient work practices, and basic occupational skills. They are organized into competency-based courses that specify occupational competencies, which the student must successfully complete. Areas of study also include all applicable codes and standards, blueprint reading, and wiring diagram interpretations, which are appropriate to the area.

Interim Dean: David Lafargue

Program Coordinator: David Lafargue


Special Comments: A minimum grade of C is required in all Industrial Electrician major-specific courses. This program is also offered at the Morgan Smith Campus.

Overall Grade Point Average: Program requirements must be completed with an overall grade point average of 2.0 in order to receive a diploma.

Student Learning Outcomes: Students who successfully complete the Industrial Electrician program will be able to:

1. Interpret voltage, current and resistance characteristics as they relate to circuit operation.
2. Use proper electrical test equipment.
3. Interpret electrical drawings.
4. Troubleshoot conventional and specialized motors and their feedback systems.
5. Select, install and troubleshoot industrial electrical sensors and devices.
6. Install, and troubleshoot a PLC and computer communications network.
7. Understand residential, commercial, and industrial diagrams, as well as motor control, and instrumentation piping diagrams.
8. Demonstrate knowledge of safety procedures, hazards, housekeeping, and appropriate cautions in the electrical industry.

Course No. | Course Title | Lecture | Lab | Total Credit Hrs
--- | --- | --- | --- | ---
ETRN 1112 | Fundamentals of Electricity/Electronics | 1 | 3 | 4
ELEC 1122 | Residential Wiring | 1 | 2 | 3
INST 1010 | Introduction to Instrumentation | 2 | 1 | 3
TCA – Electrician Helper (10) | 10
ELEC 1222 | Residential Wiring Installation | 1 | 3 | 4
ELEC 2460 | Technical Math for Electricians | 1 | 1 | 2
ETRN 1212 | Fundamentals of Semiconductors/Circuits | 1 | 3 | 4
ELEC 1422 | Introduction to Motor Controls | 1 | 2 | 3
ITEC 1000 | Application Basics | 3 | 0 | 3
CTS – Residential Electrician (26) | 16
INST 2722 | Introduction to Programmable Controllers | 3 | 1 | 4
ELEC 1230 | National Electric Code | 1 | 2 | 3
ELEC 1430 | Blueprint Interpretation | 1 | 2 | 3
ELEC 1340 | Generator and Transformer Operations | 1 | 2 | 3
ELEC 2630 | Advanced Motor Controls | 1 | 2 | 3
INST 2812 | Advanced PLC’s | 2 | 1 | 3
TD – Industrial Electrician (45) | 19

CIP Code: 460302
Total Clock Hrs: 1380
INDUSTRIAL INSTRUMENTATION TECHNOLOGY

School: Industrial Technology

Program Description: The Industrial Instrumentation Technology program prepares individuals to install, maintain, troubleshoot, and repair various types of measuring and control instruments and peripherals, such as measuring, transmitting, indicating, recording, and controlling devices, final elements, optical instruments and control areas of electronics, motor controls, and different types of measuring systems.

Interim Dean: David Lafargue

Interim Program Coordinator: Brian Ezell

Program Instructors: Brian Ezell, Robbie Johnson, Terrell Saucier, Shannon Kennedy, Christopher Fontenot, Mike Martin.

Program Accreditation: Association of Technology, Management, and Applied Engineering (ATMAE)

Special Comments: A minimum grade of C is required in all Industrial Instrumentation major-specific courses. As an ATMAE accredited program, graduates in Industrial Instrumentation must successfully complete a minimum of twelve hours of technical coursework at SOWELA.

Overall Grade Point Average: Program requirements must be completed with an overall grade point average of 2.0 in order to receive a degree or diploma.

Student Learning Outcomes: Students who successfully complete the Industrial Instrumentation Technology program will be able to:
1. Read and interpret instrument drawings.
2. Perform basic troubleshooting and calibration skills necessary for entry level instrumentation positions.
3. Interpret voltage, current and resistance characteristics as they relate to circuit operation.
4. Interface sensors with automatic controls.
5. Identify typical pumps, compressors, transmitters, and similar components.
6. Communicate technical issues to peers both in writing and orally.
7. Demonstrate punctuality and responsibility suitable to workplace employment.
8. Demonstrate knowledge of safety procedures, hazards, housekeeping, and appropriate cautions in the industrial instrumentation industry.

INDUSTRIAL INSTRUMENTATION TECHNOLOGY

Course No. Course Title Lecture Lab Total Credit Hrs

Semester 1

INST 1010 Introduction to Instrumentation 2 1 3
INST 1111 Fundamentals of Electricity/Electronics 4 1 5
General Education Course 3 0 3
General Education Course 3 0 3 14

Semester 2

INST 1112 Fundamentals of Semiconductors/Circuits 4 1 5
ELEC 1312 Generator and Transformer Operations 3 0 3
ELEC 1220 Introduction to Motor Controls 3 1 4
General Education Course 3 0 3
General Education Course 3 0 3 18

Semester 3

INST 1310 Pressure and Level Measurements 3 1 4
INST 1410 Flow and Final Control Elements 3 1 4
INST 2722 Introduction to Programmable Logic Controllers
General Education Course 3 0 3 15

Semester 4

ELEC 2220 Advanced Motor Controls 2 1 3
INST 2420 Industrial Control Systems 3 1 4
INST 2732 Temperature & Analytical Measurement 2 1 3
INST 2812 Advanced Programmable Logic Controllers 2 1 3 13

AAS – Industrial Instrumentation Technology (60) CIP CODE 150404
Total Clock Hrs: 1065
INDUSTRIAL INSTRUMENTATION TECHNOLOGY

Diploma/Certificate Options

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CIP Code: 150404

OFFICE SYSTEMS TECHNOLOGY

School: Business and Applied Technology

Program Description: The mission of the Office Systems Technology program is to provide specialized classroom instruction and practical experience to prepare students for employment as office managers, special assistants to top-level managers, and other related positions. Courses include instruction in business communications, public relations, scheduling and travel management, conference and meeting recording, report preparation, office equipment and procedures, office supervisory skills, professional standards, and legal requirements. The program emphasizes safe and efficient work practices, basic occupational skills, and employability skills. The content is organized into competency-based courses that specify occupational competencies that the student must successfully complete.

Dean: Dr. David Shankle

Program Coordinator: Debbie Lejeune

Program Instructors: Debbie Lejeune, Nora Cooper, P. A. Guillory, Adrienne Abel (Morgan Smith Site), Melinda Thigpen, Judy Tinker.

Program Accreditation: Association of Technology, Management, and Applied Engineering (ATMAE)

Special Comments: A minimum grade of C is required in all Office Systems Technology major-specific courses. As an ATMAE accredited program, graduates in Office Systems Technology must successfully complete a minimum of twelve hours of technical coursework at SOWELA.

Overall Grade Point Average: Program requirements must be completed with an overall grade point average of 2.0 in order to receive a degree, diploma or certificate.

Student Learning Outcomes: Students who successfully complete the Office Systems Technology program will be able to:

1. Demonstrate formatting concepts efficiently in various documents using word processing software.
2. Demonstrate the role of the administrative assistant in human relations, communications, ethics, and time management.
3. Demonstrate the fundamentals of business style in written and oral communication.
## OFFICE SYSTEMS TECHNOLOGY

**Associate of Applied Science**

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*Approved Accounting Electives: 3 hours*
- ACCT 1120 Bookkeeping Applications
- ACCT 1510 Computerized Accounting II
- ACCT 1150 Federal Income Tax
- ACCT 1210 Computerized Accounting I
- ACCT 1250 Payroll Accounting

**Approved Business Electives: 3 hours**
- BUSI 1010 Banking Principles
- BUSI 1090 Personal Finance
- BUSI 1012 Banking Customer Service
- BUSI 1210 Business Math
- BUSI 1030 Introduction to Business
- BUSI 2010 Legal Environment of Business
- BUSI 2995 Internship

***Approved Electives: 3 hours***
- Any College Course

CIP Code: 520401
Total Clock Hrs: 900
### OFFICE SYSTEMS TECHNOLOGY
#### Diploma/Certificate Options

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*CIP Code: 520401*
PRACTICAL NURSING

School: Nursing and Allied Health

Program Description: The Practical Nursing program is designed to prepare the student to become a Licensed Practical Nurse. The program consists of both classroom instruction and supervised clinical activities in accredited hospitals, nursing homes, and other health care agencies. Since man is a biological, psychological, and spiritual being who is evolving across the life span, it is essential that nursing needs be met by caring, supportive persons who recognize these many facets and who respect individuality. The program content has been developed utilizing the Administrative Rules for the Louisiana State Board of Practical Nurse Examiners (LSBPNE). The nursing process incorporates the concepts of holistic nursing, hierarchy of needs, stress and adaptation, creative problem-solving, and psychosocial development. Students who are unable to complete the Practical Nursing program may be awarded a Certificate in Nursing Assistant if they satisfactorily complete and can demonstrate the competencies of OBRA skills, as determined by the instructor, and complete a minimum of 40 hours of clinical activities. Upon graduation, the student is awarded a technical diploma and is eligible to take the National Council Licensure Examination (NCLEX) for Practical Nurses. Students should note that some courses have prerequisites, which must be successfully completed before enrolling in upper level courses. All course work must be completed with at least 80% or above for program progression and completion.

Interim Dean: Paula Hellums, RN, MSN.

Program Coordinator: Paula Hellums, RN, MSN/Kim Eaves, RNC, BSN.

Program Instructors: Racheal Bilbo, RN, BSN; Kim Eaves, RNC, BSN; Leslie Ferrygood, RN, MSN, ADN; Patrice Fontenot, RN, BSN; Paula Hellums, RN, MSN; Deanna Pulver, RN, MSN; Lisa Rogers, RN, ADN; Gloria White, RN, ADN; Lynn Boyett, ADN; Patricia Montou, RNC, BSN; Danielle Abercrombie, RN, BSN; Amber Petroski, RN, BSN, Emily Gay, RN, BSN; Sarah Seaman, RN, BSN.

Program Coordinator Morgan Smith Site: Charon Randel, RN, BSN.

Program Instructors Morgan Smith Site: Charon Randel, RN, MSN; Christian Lewis, RN, BSN.

Clinical Sites: West Cal-Cam Hospital, Calcasieu Oaks, Christus-St. Patrick Hospital, Dubuis Hospital, Lake Charles Memorial Hospital, Grand Cove Nursing and Rehabilitation Center, Lake Charles Care Center, OCEANS Behavioral Hospital, and Resthaven Rehabilitation Center.

Clinical Sites Morgan Smith: Jennings American Legion Hospital, Southwest Louisiana War Veterans Home, MMO West End Hospital, Dr. Darrell Elias, Dr. Amanda LeCombe, Jeff Davis Living Center, The Clinic of Welsh, Jennings Pediatric Center, James Ward Elementary School, Camelot Brookside.

Special Comments: The grading scale utilized in this program is set by the LSBPNE. According to the LSBPNE grading scale, the minimum grade required in all Practical Nursing courses is 80% or the letter grade C. Students who make less than an 80% in a theory course are required to repeat the associated clinical course, as well as the theory course, even if a passing grade was made in the clinical course. Application for approval is submitted prior to entering the first semester of the program; however, progression in the program is contingent on LSBPNE approval. Students exiting the program with credit in ANUR 1233 will be awarded a TCA in nursing assistant. The LSBPNE requires that all nursing students complete an FBI background check at least six (6) months prior to graduation.

Overall Grade Point Average: Program requirements must be completed with an overall grade point average of 2.0 in order to receive a certificate or diploma.

Student Learning Outcomes: Students who successfully complete the Nursing program will be able to:

1. Collaborate with other health care members to facilitate effective client care.
2. Demonstrate an understanding of patient rights, confidentiality, continuity of care, informed consent, ethical practices, legal responsibilities, resource management, and team management.
3. Demonstrate the proper procedure to protect themselves and others from hazardous and infectious materials.
4. Contribute to the health and environmental protection of clients and health care personnel.
5. Demonstrate the proper use of equipment.
6. Demonstrate an understanding of safety plans, disaster plans, security plans, safety devices, error prevention, and reporting requirements.
7. Provide care that incorporates knowledge of expected stages of growth and development, and prevention and/or early detection of health problems.
8. Demonstrate an understanding of the aging process, developmental stages, disease prevention, family planning, health screening programs, human sexuality, self-care, data collection techniques, and postpartum and newborn care.
9. Provide care that assists with the promotion and support of the emotional, mental, and social well being of clients.
10. Demonstrate an understanding of behavioral interventions, behavioral management, coping mechanisms, crisis interventions, grief and loss, mental health and illnesses, substance abuse, abuse and neglect, violence precautions, therapeutic communication, and cultural/spiritual influences on health.
11. Provide comfort and assistance to clients in their activities of daily living.
12. Demonstrate an understanding of assistive devices, mobility issues, non-pharmacological interventions, nutrition, oral hydration, elimination, personal hygiene, and comfort care.
13. Properly administer medications and monitor clients receiving parenteral therapies.
14. Demonstrate an understanding of medication administration, expected versus adverse effects, pharmacological actions and agents, and side effects.
15. Provide care that reduces the potential for clients to develop complications or health problems related to treatments, procedures, or existing conditions.
16. Demonstrate an understanding of human anatomy, human physiology, diagnostic tests, labo-
17. Provide care for clients with acute, chronic, or life-threatening physical health conditions.

18. Demonstrate an understanding of alterations of body systems, basic pathophysiology, fluid and electrolyte imbalances, medical emergencies, radiation therapy, and unexpected responses to therapies.

**Practical Nursing Admission Requirements:** To be considered for the Practical Nursing Program, an applicant must:

- Be 18 years of age or older.
- Provide an official high school transcript or documentation of a HiSET.
- Provide a certified copy of his/her birth certificate.
- Provide proof of immunizations.
- Be physically and emotionally able to meet the requirements of the program as determined by a qualified physician and drug-free upon random testing.
- Submit official copies of ACT or COMPASS scores and official copies of transcripts of all work to the Office of Admissions.
- Satisfactorily complete one of three categories for admission before qualifying to submit an application. Admission categories are as follows:
  a. ACT scores: Reading 19, English 18, and Math 19, or
  b. COMPASS scores: Reading 82, Writing 68, and Algebra 40.
  c. COMPASS scores: Reading 85, Writing 70, and Algebra 33 or Pre-Algebra 55; take and pass transitional courses in areas where college entrance score requirements are not achieved; see the Nursing Department Testing Policy for additional information.
- Submit a completed application.

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### PRACTICAL NURSING

**Diploma/Certificate Options**

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**TD – Practical Nursing (59)**

**CIP Code:** 513901

**Total Clock Hrs:** 1532
PROCESS TECHNOLOGY

School: Industrial Technology

Program Description: The purpose of the Process Technology program is to provide classroom instruction and practical laboratory experience to prepare students for employment in a variety of jobs in the field of process technology or to provide supplementary training for persons previously or currently in related process operations. The program prepares individuals to monitor, operate, and maintain equipment used in the processing of raw material into marketable chemical/petrochemical refinery products. The program includes instruction in, but is not limited to, the following: materials handling, extraction, distillation, evaporation, drying, absorption, heat transfer, cracking, and reaction processes. The program also addresses industrial safety, health and environmental concerns in the field of process technology and general plant operations. The program emphasizes safe and efficient work practices, basic occupational skills, and employability skills.

Interim Dean: David Lafargue

Interim Program Coordinator: Richard Louviere


Program Accreditation: Association of Technology, Management, and Applied Engineering (ATMAE)

Special Comments: A minimum grade of C is required in all Process Technology major-specific courses. As an ATMAE accredited program, graduates in Process Technology must successfully complete a minimum of twelve hours of technical coursework at SOWELA.

Overall Grade Point Average: Program requirements must be completed with an overall grade point average of 2.0 in order to receive an associate degree, technical diploma, or certificate.

Student Learning Outcomes: Students who successfully complete the Process Technology program will be able to:

1. Create a piping and instrument diagram of an operating refinery/petrochemical process.
2. Run one or more PTEC Pilot Plants: Plant B-Liquid/Liquid Extraction, Plant C-Sucrose Conversion to Fructose-Glucose, and or Plant F-Waste Treatment.
3. Operate one or more of the PTEC Pilot Plants while simulating real world activity as in the commercial units using inside/outside operator concepts, communicating via radios comparing inside/outside data.
4. Work effectively in chemical, petrochemical, oil and gas production, energy, pulp and paper, and pharmaceutical industries.
5. Demonstrate knowledge of safety procedures, hazards, housekeeping, and appropriate caution in the process technology industry.

Process Technology Fast Track Program:

In order to meet industry needs, SOWELA has developed the Process Technology (PTEC) Fast Track program. This innovative approach to training is providing opportunity for motivated individuals who desire to make a career change and want to take advantage of the new high paying careers that are being created as a result of industry expansion. This approach is not a shortened version of SOWELA’s well-established two-year program, but rather the same courses offered in a compressed format. Instead of the traditional two or three day a week style course offering, the courses are offered Monday through Friday and stacked as three or four classes per day to offer a full load. This full load offers the entire core Process Technology courses, which consists of 40 credit hours in 16 weeks towards the AAS degree.

As a compressed version of SOWELA’s existing program, students can plan to spend less time transitioning into a new career. The repetitive and immersion-style approach to teaching the required materials keeps students connected through a building-block approach to learning.

The Fast Track PTEC program is specifically designed to help those with an Associate’s degree or higher to attain the Associates of Applied Science (AAS) degree in Process Technology within as little as one semester. For more information, please contact the Process Technology department to see when the next cohort will be offered as well as instructions on how to apply.
### PROCESS TECHNOLOGY

#### Associate of Applied Science

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### PROCESS TECHNOLOGY

#### Diploma/Certificate Options

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THE ASSOCIATE OF ARTS LOUISIANA TRANSFER DEGREE

School: Arts and Sciences

Program Description: The Associate of Arts Louisiana Transfer degree program is designed to facilitate transfer from community colleges to related baccalaureate degree programs at public universities in Louisiana. The purpose of the Associate of Arts Louisiana Transfer degree program is to provide rigorous general education coursework coupled with related preparatory instruction in pre-defined, discipline specific tracks to allow seamless transition from the associate degree to the baccalaureate degree with maximization of credits awarded. The Associate of Arts Louisiana Transfer Degree will transfer as a total block rather than by individual course review.

The total credit hours required for the degree is 60, with 39 hours required in approved general education coursework and the remaining 21 credit hours in pre-approved discipline-specific coursework as preparation for continued studies in a related baccalaureate degree program. Students in the Associate of Arts Louisiana Transfer Degree program may choose from three concentrations: 1) Criminal Justice, 2) Humanities, or 3) Social Sciences.

Advising and planning are key to a student’s success in maximizing the transfer experience. All students who might eventually transfer from SOWELA to a university 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 specific course requirements for the baccalaureate degree and major of the university to which they plan to transfer. This information is available through the university’s website linked to www.latransferdegree.com

In summary, for students who complete the Associate of Arts Louisiana Transfer Degree with the required grades, the degree guarantees:

- Admission to a 4-year Louisiana public university
- Junior-level standing
- Transfer of all 60 credit hours
- Completion of General Education block requirements at any Louisiana public university

Dean: Dr. Charles Stewart
Program Coordinator: Dr. Charles Stewart
Program Instructors: Dr. Charles Stewart, Luann Ballou, Alex Bell, Todd Carrere, Lacey Couch, Dr. Mandy Creel, Matthew Dye, Jonathan Frantz, Katrina Freeman, Robert Groth, Kristen S. Ison, Dane Landry, Debbie Lejeune, Dr. Kathy Lewis-Thomas, Angela Madden, Dorothy E. McCormick, Rick Monceaux, Anita Morris, Dr. Lane Nivills, Susan Shaffer, Pamela K. Smith, Stephanie Smith, Dr. Paige Spencer, Dr. Bridget Whelan.

Overall Grade Point Average: Program requirements must be completed with an overall grade point average of 2.0 or better in all credits used to fulfill degree requirements. Further, students must earn a "C" or better in all coursework applied to the degree.

Student Learning Outcomes: Students who successfully complete the Associate of Arts Louisiana Transfer will be able to:

1. Demonstrate comprehension of college-level material in the general education curriculum consisting of English composition, mathematics/analytical reasoning, natural sciences, humanities, social/behavioral sciences, and fine arts.
2. Demonstrate proficiency in general education competencies including reading, written communications, oral communication, mathematical computation, critical thinking, library skills, and computer literacy.
3. Demonstrate comprehension of basic concepts derived from concentration or track-specific courses in disciplines based upon the student’s area of interest and anticipated baccalaureate major.

CRIMINAL JUSTICE CONCENTRATION

Below is a general outline for the concentration in Criminal Justice.

General Education Requirements (39 Credit Hours):

- English Composition - 6 credit hours
- Math/Analytical Reasoning - 6 credit hours
- Fine Arts - 3 credit hours
- Humanities - 9 credit hours
- Natural Sciences - 9 credit hours
- Social/Behavioral Sciences - 6 credit hours

Discipline Specific Courses (21 Credit Hours):

The remaining 21 credit hours are discipline specific and should be selected as preparatory coursework for continued studies in a related baccalaureate degree program.

HUMANITIES CONCENTRATION

Below is a general outline for the concentration in the Humanities.

General Education Requirements (39 Credit Hours):

- English Composition - 6 credit hours
- Math/Analytical Reasoning - 6 credit hours
- Fine Arts - 3 credit hours
- Humanities - 9 credit hours
- Natural Sciences - 9 credit hours
- Social/Behavioral Sciences - 6 credit hours

Discipline Specific Courses (21 Credit Hours):

The remaining 21 credit hours are discipline specific and should be selected as preparatory coursework for continued studies in a related baccalaureate degree program.
SOCIAL/BEHAVIORAL SCIENCES CONCENTRATION

Below is a general outline for the concentration in the Social and Behavioral Sciences.

General Education Requirements (39 Credit Hours):
- English Composition - 6 credit hours
- Math/Analytical Reasoning - 6 credit hours
- Fine Arts - 3 credit hours
- Humanities - 9 credit hours
- Natural Sciences - 9 credit hours
- Social/Behavioral Sciences - 6 credit hours

Discipline Specific Courses (21 Credit Hours):
The remaining 21 credit hours are discipline specific and should be selected as preparatory coursework for continued studies in a related baccalaureate degree program.

Associate of Arts Louisiana Transfer Degree (AALT) 60 Credit Hours
CIP Code: 240199

THE ASSOCIATE OF ARTS LOUISIANA TRANSFER DEGREE (2)

School: Business and Applied Technology

Program Description: The Associate of Arts Louisiana Transfer degree program is designed to facilitate transfer from community colleges to related baccalaureate degree programs at public universities in Louisiana. The purpose of the Associate of Arts Louisiana Transfer degree program is to provide rigorous general education coursework coupled with related preparatory instruction in pre-defined, discipline specific tracks to allow seamless transition from the associate degree to the baccalaureate degree with maximization of credits awarded. The Associate of Arts Louisiana Transfer Degree will transfer as a total block rather than by individual course review.

The total credit hours required for the degree is 60, with 39 hours required in approved general education coursework and the remaining 21 credit hours in pre-approved discipline-specific coursework as preparation for continued studies in a related baccalaureate degree program.

Advising and planning are key to a student’s success in maximizing the transfer experience. All students who might eventually transfer from SOWELA to a university 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 specific course requirements for the baccalaureate degree and major of the university to which they plan to transfer. This information is available through the university’s website linked to www.latransferdegree.com

In summary, for students who complete the Associate of Arts Louisiana Transfer Degree with the required grades, the degree guarantees:
- Admission to a 4-year Louisiana public university
- Junior-level standing
- Transfer of all 60 credit hours
- Completion of General Education block requirements at any Louisiana public university

Dean: Dr. David Shankle
Program Coordinator: Debbie Lejeune

Program Instructors: Luann Ballou, Alex Bell, Todd Carrere, Dr. Mandy Creel, Matthew Dye, Jonathan Frantz, Katrina Freeman, Robert Groth, Kristen S. Ison, Dr. Bill Kalb, Debbie Lejeune, Angela Madden, Dorothy E. McCormick, Rick Monceaux, Anita Morris, Dr. Lane Nevils, Susan Shaffer, Pamela K. Smith, Stephanie Smith, Dr. Charles Stewart, and Dr. Bridget Whelan.

Overall Grade Point Average: Program requirements must be completed with an overall grade point average of 2.0 or better in all credits used to fulfill degree requirements. Further, students must earn a “C” or better in all coursework applied to the degree.
Student Learning Outcomes: Students who successfully complete the Associate of Arts Louisiana Transfer will be able to:

1. Demonstrate comprehension of college-level material in the general education curriculum consisting of English composition, mathematics/analytical reasoning, natural sciences, humanities, social/behavioral sciences, and fine arts.
2. Demonstrate proficiency in general education competencies including reading, written communications, oral communication, mathematical computation, critical thinking, library skills, and computer literacy.
3. Demonstrate comprehension of basic concepts derived from concentration or track-specific courses in disciplines based upon the student’s area of interest and anticipated baccalaureate major.

GENERAL BUSINESS CONCENTRATION

Below is a general outline for the concentration in General Business.

General Education Requirements (39 Credit Hours):
- English Composition - 6 credit hours
- Math/Analytical Reasoning - 6 credit hours
- Fine Arts - 3 credit hours
- Humanities - 9 credit hours
- Natural Sciences - 9 credit hours
- Social/Behavioral Sciences - 6 credit hours

Discipline Specific Courses (21 Credit Hours):
The remaining 21 credit hours are discipline specific and should be selected as preparatory coursework for continued studies in a related baccalaureate degree program.

Associate of Arts Louisiana Transfer Degree (AALT) 60 Credit Hours
CIP Code: 240199

THE ASSOCIATE OF SCIENCE LOUISIANA TRANSFER DEGREE

School: Arts and Sciences

Program Description: The Associate of Science Louisiana Transfer degree program is designed to facilitate transfer from community colleges to related baccalaureate degree programs at public universities in Louisiana. The purpose of the Associate of Science Louisiana Transfer degree program is to provide rigorous general education coursework coupled with related preparatory instruction in pre-defined discipline-specific tracks to allow seamless transition from the associate degree to the baccalaureate degree with maximization of credits awarded. The Associate of Science Louisiana Transfer degree will transfer as a total block rather than by individual course review.

The total credit hours required for the degree is 60, with 39 hours required in approved general education coursework and the remaining 21 credit hours consisting of pre-approved, discipline-specific coursework as preparatory coursework for continued studies in a related baccalaureate degree program. Students in the Associate of Science Louisiana Transfer Degree will follow the Physical Sciences concentration.

Advising and planning are key to a student’s success in maximizing the transfer experience. All students who might eventually transfer from SOWELA to a university 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 specific course requirements for the baccalaureate degree and major of the university to which they plan to transfer. This information is available through the university’s website linked to www.latransferdegree.com

In summary, for students who complete the Associate of Science Louisiana Transfer Degree with the required grades, the degree guarantees:

- Admission to a 4-year Louisiana public university
- Junior-level standing
- Transfer of all 60 credit hours
- Completion of General Education block requirements at any Louisiana public university

Dean: Dr. Charles Stewart
Program Coordinator: Dr. Charles Stewart
Program Instructors: Dr. Charles Stewart, Luann Ballou, Alex Bell, Todd Carrere, Lacey Couch, Dr. Mandy Creel, Matthew Dye, Jonathan Frantz, Katrina Freeman, Robert Groth, Kristen S. Ison, Dane Landry, Dr. Kathy Lewis-Thomas, Angela Madden, Dorothy E. McCormick, Anita Morris, Dr. Lane Nevils, Susan Shaffer, Pamela K. Smith, Stephanie Smith, Dr. Bridget Whelan.

Overall Grade Point Average: Program requirements must be completed with an overall grade point average of 2.0 or better in all credits used to fulfill degree requirements. Further, students must earn a “C” or better in all coursework applied to the degree.
Student Learning Outcomes: Students who successfully complete the Associate of Arts Louisiana Transfer will be able to:

1. Demonstrate comprehension of college-level material in the general education curriculum consisting of English composition, mathematics/analytical reasoning, natural sciences, humanities, social/behavioral sciences, and fine arts.
2. Demonstrate proficiency in general education competencies including reading, written communications, oral communication, mathematical computation, critical thinking, library skills, and computer literacy.
3. Demonstrate comprehension of basic concepts derived from concentration or track-specific courses in disciplines based upon the student’s area of interest and anticipated baccalaureate major.

PHYSICAL SCIENCES CONCENTRATION

Below is a general outline for the concentration in Physical Sciences.

General Education Requirements (39 Credit Hours):
- English Composition - 6 credit hours
- Math/Analytical Reasoning - 6 credit hours
- Fine Arts - 3 credit hours
- Humanities - 9 credit hours
- Natural Sciences - 9 credit hours
- Social/Behavioral Sciences - 6 credit hours

Discipline Specific Courses (21 Credit Hours):
The remaining 21 credit hours are discipline-specific and should be selected as preparatory coursework for continued studies in a related baccalaureate degree program.

Associate of Science Louisiana Transfer Degree (ASLT) 60 Credit Hours

CIP Code: 240199

SCHOOL OF INDUSTRIAL TECHNOLOGY

WELDING

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 American Welding Society (AWS) and will be prepared to take the AWS Entry Level Welder Test.

Interim Dean: David Lafargue

Program Coordinator: David Lafargue

Program Instructors: Jonathan Darbonne, Richard Devin, and Wallace Deshotel (Morgan Smith Site).

Special Comments: A minimum grade of C is required in all Welding major-specific courses. This program is also offered at the Morgan Smith Site.

Overall Grade Point Average: Program requirements must be completed with an overall grade point average of 2.0 in order to receive a diploma or certificate.

Student Learning Outcomes: Students who successfully complete the Welding program will be able to:

1. Demonstrate fundamental proficiencies in the use of hand tools, portable, and power equipment.
2. Analyze drawings and specifications related to welding problems and jobs.
5. Perform a gas tungsten arc welding 6G pipe weld using ER70s-6 filler metal.
6. Demonstrate knowledge of safety procedures, hazards, housekeeping, and appropriate cautions in the welding industry.
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<td>2</td>
<td>3</td>
</tr>
<tr>
<td>JOBS 2450</td>
<td>Job Seeking Skills</td>
<td>2</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>ITEC 1000</td>
<td>Application Basics</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>TD – Welding (61)</td>
<td></td>
<td></td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

CIP Code: 480508
Total Clock Hrs: 1905
WORKFORCE DEVELOPMENT UNIT

The Workforce Development Unit (WDU) at SOWELA focuses on providing educational and training opportunities beyond the scope of credit preparatory programs that award a degree, diploma, or certificate. This is in keeping with SOWELA's mission statement and that of the WDU.

The mission of the Workforce Development Unit is to develop, design, support, and provide education and training programs and services that meet the specific needs of the employers, employees, and citizens in the communities we serve.

The WDU specializes in providing educational and training programs that are specifically designed for a narrow focus of learning. This can be for credit, non-credit, or continuing education units (CEUs), and can be as short as a one hour course to an apprenticeship training program of several hundred hours.

WDU Courses Offered:
- Command Spanish®
- Fast Track Welding
- HVAC Training Program
- Machine Tool Technology
- Millwright Training Program
- NCCER Core Curriculum
- Personal Trainer
- Serve Save Essentials
- and many more.

The focus of the WDU is to provide just-in-time training, attentive to the needs of individuals or employers, at affordable rates and convenient times of delivery. In most cases, a class can be developed and ready to deliver on campus, at the employer’s site, or at a neutral location in ten working days. This response time coupled with very affordable rates make the SOWELA Technical Community College Workforce Development Unit the best choice for individuals and employers looking for specialized and customized training.

Dr. Joseph Fleishman, Vice Chancellor for Economic & Workforce Development
William E. Mayo, Director of Workforce Development
Rosemary August, Administrative Coordinator
Alfred Caesar, Training Coordinator

CONTINUING EDUCATION

Additionally, SOWELA provides continuing education opportunities for professional and personal growth. These courses are conducted for groups of individuals on an as-needed basis. This can range from a course to teach health care workers how to perform a successful venipuncture to work as a phlebotomist to a course in regional cuisine preparation for couples wanting to learn new culinary skills for entertaining their families and friends.

GRANT FUNDED TRAINING

SOWELA serves as primary training provider for employers applying for the Incumbent Worker Training Program. This program is a funding stream that pays for upgrade training of current employees to meet the needs of a changing workforce. SOWELA has experience with obtaining Workforce Investment Act (WIA) funds, National Emergency Grant (NEG) funds, and Community Development Block Grant (CDBG) funds.

GRADING SYSTEM

Students are evaluated by their instructors relative to the following factors: knowledge of course work, ethical behavior, safety, job performance, work attitudes, ability to follow instructions, ability to get along with others, attention to assignments, and pride in workmanship.

A final letter grade for a course is assigned by the instructor at the end of the semester. The grade indicates the success/failure of the student. If a student believes he/she has been assigned an incorrect letter grade for the course, the issue should be discussed with the course instructor.

Grading symbol designations are:
- S: Satisfactory (Non-credit courses only).
- U: Unsatisfactory (Non-credit courses only).
## HVAC TRAINING PROGRAM

**NCCER Curriculum**

**Level 1 and Level 2**

**Total Clock Hours 350**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Level 1</strong></td>
<td></td>
</tr>
<tr>
<td>Introduction to HVAC</td>
<td>7.5</td>
</tr>
<tr>
<td>Trade Mathematics</td>
<td>10</td>
</tr>
<tr>
<td>Basic Electricity</td>
<td>12.5</td>
</tr>
<tr>
<td>Introduction to Heating</td>
<td>15</td>
</tr>
<tr>
<td>Introduction to Cooling</td>
<td>30</td>
</tr>
<tr>
<td>Introduction to Air Distribution Systems</td>
<td>15</td>
</tr>
<tr>
<td>Basic Copper and Plastic Piping Practices</td>
<td>10</td>
</tr>
<tr>
<td>Soldering and Brazing</td>
<td>10</td>
</tr>
<tr>
<td>Basic Carbon Steel Piping Practices</td>
<td>10</td>
</tr>
<tr>
<td><strong>Level 2</strong></td>
<td></td>
</tr>
<tr>
<td>Alternating Current</td>
<td>7.5</td>
</tr>
<tr>
<td>Compressors</td>
<td>17.5</td>
</tr>
<tr>
<td>Refrigerants and Oils</td>
<td>12.5</td>
</tr>
<tr>
<td>Leak Detection, Evacuation, Recovery, and Charging</td>
<td>30</td>
</tr>
<tr>
<td>Metering Devices</td>
<td>7.5</td>
</tr>
<tr>
<td>Heat Pumps</td>
<td>20</td>
</tr>
<tr>
<td>Basic Maintenance</td>
<td>10</td>
</tr>
<tr>
<td>Chimneys, Vents, and Flues</td>
<td>5</td>
</tr>
<tr>
<td>Sheet Metal Duct Systems</td>
<td>10</td>
</tr>
<tr>
<td>Fiberglass and Fabric Duct Systems</td>
<td>7.5</td>
</tr>
<tr>
<td>Commercial Airside Systems</td>
<td>12.5</td>
</tr>
<tr>
<td>Air Quality Equipment</td>
<td>5</td>
</tr>
<tr>
<td>Introduction to Hydronic Systems</td>
<td>12.5</td>
</tr>
</tbody>
</table>

**COURSE DESCRIPTIONS**

**HVAC TRAINING PROGRAM**

**Air Quality Equipment (5 Hours)**

Introduces the factors related to indoor air quality and human comfort. Equipment used to control humidity is presented in detail. Also covers air filtration materials and the introduction of outside air into the indoor environment.

**Alternating Current (7.5 Hours)**

Presents the basic concepts of alternating current generation and use. Discusses how single-and three-phase alternating current is used to power resistive and inductive circuits. Various types of transformers are identified. Basic operation of single- and three-phase motors is explained and the process of safely testing AC-powered devices.

**Basic Carbon Steel Piping Practices (10 Hours)**

Explains how to identify various carbon steel piping materials and fittings. The joining and installation of threaded and grooved carbon steel piping systems is covered, with detailed coverage of threading and grooving techniques included.

**Basic Copper and Plastic Piping Practices (10 Hours)**

Explains how to identify types of copper tubing and fittings used in the HVAC/R industry and how they are mechanically joined. The identification and application of various types of plastic piping, along with their common assembly and installation practices, are also presented.

**Basic Electricity (12.5 Hours)**

Introduces the concept of power generation and distribution, common electrical components, AC and DC circuits, and electrical safety as it relates to the HVAC field. Introduces reading and interpreting wiring diagrams.

**Basic Maintenance (10 Hours)**

Describes common tasks associated with basic maintenance. Specific tasks, such as lubrication and belt installation, are reviewed in detail. Provides detailed coverage on maintenance inspections of gas furnaces and common cooling/heat pump systems.

**Commercial Airside Systems (12.5 Hours)**

Introduces systems used in commercial structures such as schools and office buildings that are divided into comfort heating and cooling zones. Covers the various types of systems, as well as the air terminals and air source equipment used. Commonly used accessories are also covered.

(Continued on next page)
Chimneys, Vents, and Flues (5 Hours)
Covers the chimneys, vents, and flues that are used with fuel-burning furnaces and boilers.

Compressors (17.5 Hours)
Explains the operating principles of the different types of compressors used in comfort air conditioning and refrigeration systems, along with basic installation, service, and repair procedures.

Fiberglass and Fabric Duct Systems (7.5 Hours)
Reviews the application and methods of fabricating fiberglass duct systems. Installation guidelines and methods to repair damaged components. Concludes with fabric-based duct systems.

Heat Pumps (20 Hours)
Presents the operation of heat pump systems in detail with additional emphasis on electric resistance heating elements. Covers installation considerations of both split and packaged heat pump systems.

Introduction to Air Distribution Systems (15 Hours)
Describes the factors related to air movement and its measurement in common air distribution systems. The required mechanical equipment and materials used to create air distribution systems are also presented. Basic system design principles for both hot and cold climates are introduced.

Introduction to Cooling (30 Hours)
Explains the fundamental operating concepts of the refrigeration cycle and identifies both primary and secondary components found in typical HVAC/R systems. Common refrigerants are introduced as well. Describes the principles of heat transfer and the essential pressure-temperature relationships of refrigerants. Basic control concepts for simple systems are also introduced.

Introduction to Heating (15 Hours)
Covers the fundamentals of heating systems and the combustion process. The different types and designs of gas furnaces and their components, as well as basic procedures for their installation and service, is provided.

Introduction to Hydronic Systems (12.5 Hours)
Introduces hydronic heating systems, the fuels used to heat the water and the pumps that circulate the heated water.

Introduction to HVAC (7.5 Hours)
Covers the basic principles of heating, ventilating, and air conditioning, career opportunities in HVAC, and how apprenticeship programs are constructed. Basic safety principles, as well as trade licensure and EPA guidelines, are also introduced.

Leak Detection, Evacuation, Recovery, and Charging (30 Hours)
Covers servicing of the refrigerant circuit of HVAC systems. The four essential service tasks—leak detection, evacuation, recovery, and charging—are covered in detail in addition to EPA’s requirements for providing these services.

Metering Devices (7.5 Hours)
Introduces metering devices used in the mechanical refrigeration cycle. Covers their primary function along with related components. Operation of capillary tube, fixed-orifice, and expansion-type metering devices is explored in addition to selecting and installing thermal expansion valves.

Refrigerants and Oils (12.5 Hours)
Discusses the refrigerants and oils used in modern refrigeration and air conditioning systems including new handling and service requirements.

Sheet Metal Duct Systems (10 Hours)
Covers the layout, fabrication, installation, and insulation of sheet metal duct systems. Also includes selection of registers, diffusers, dampers, and other duct accessories.

Soldering and Brazing (10 Hours)
Introduces the equipment, techniques, and materials used to safely join copper tubing through both soldering and brazing. The required PPE, preparation, and work processes are covered in detail. The procedures for brazing copper to dissimilar materials are also provided.

Trade Mathematics (10 Hours)
Explains how to solve HVAC/R trade-related problems involving the measurement of lines, area, volume, weights, angles, pressure, vacuum, and temperature. Also includes a review of scientific notation, powers, roots, and basic algebra and geometry.
MACHINE TOOL TECHNOLOGY
Basic Machinist Knowledge
Total Clock Hours 925

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orientation &amp; Safety Bench work</td>
<td>140</td>
</tr>
<tr>
<td>Orientation &amp; Safety Drill Press</td>
<td>140</td>
</tr>
<tr>
<td>Orientation &amp; Safety Lathe</td>
<td>320</td>
</tr>
<tr>
<td>Orientation &amp; Safety Mill</td>
<td>280</td>
</tr>
</tbody>
</table>

COURSE DESCRIPTIONS

Orientation & Safety Bench work (140 Hours)
Use of layout tools, precision measuring tools, hand tools, metals, and grinding wheels. Cut stock with hand and power hacksaws, and sharpen drill bits.

Orientation & Safety Drill Press (140 Hours)
Identifying types and uses of drill presses, parts, and controls. Learning proper use, speeds, and feeds, and drilling and tapping.

Orientation & Safety Lathe (320 Hours)
Identifying types of lathe, accessories, parts, and controls. Learning to face, turn, knurl, drill, bore, and proper feeds and speeds.

Orientation & Safety Mill (280 Hours)
Identifying types of milling machines, accessories, parts, and controls. Learning to mill to length, squaring parts, milling basic milling setups, associated cutting tool, and calculate proper feeds and speeds.

MILLRIGHT TRAINING PROGRAM
NCCER Curriculum
Total Clock Hours 772.5

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orientation to the Trade</td>
<td>5</td>
</tr>
<tr>
<td>Millwright Hand Tools</td>
<td>15</td>
</tr>
<tr>
<td>Fasteners and Anchors</td>
<td>10</td>
</tr>
<tr>
<td>Basic Layout</td>
<td>20</td>
</tr>
<tr>
<td>Gaskets and O-Rings</td>
<td>10</td>
</tr>
<tr>
<td>Oxyfuel Cutting</td>
<td>15</td>
</tr>
<tr>
<td>Millwright Level 1</td>
<td>147.5</td>
</tr>
<tr>
<td>Intermediate Trade Math</td>
<td>20</td>
</tr>
<tr>
<td>Field Sketching</td>
<td>10</td>
</tr>
<tr>
<td>Intermediate Blueprint Reading</td>
<td>20</td>
</tr>
<tr>
<td>Specialty Tools</td>
<td>10</td>
</tr>
<tr>
<td>Millwright Power Tools</td>
<td>20</td>
</tr>
<tr>
<td>Millwright Level 2</td>
<td>150</td>
</tr>
<tr>
<td>Advanced Trade Math</td>
<td>20</td>
</tr>
<tr>
<td>Precision Measuring Tools</td>
<td>20</td>
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<tr>
<td>Installing Packing</td>
<td>10</td>
</tr>
<tr>
<td>Installing Seals</td>
<td>5</td>
</tr>
<tr>
<td>Installing Mechanical Seals</td>
<td>20</td>
</tr>
<tr>
<td>Removing and Installing Bearings</td>
<td>20</td>
</tr>
<tr>
<td>Couplings</td>
<td>15</td>
</tr>
<tr>
<td>Fabricating Shims</td>
<td>5</td>
</tr>
<tr>
<td>Alignment Fixtures and Specialty ligs</td>
<td>10</td>
</tr>
<tr>
<td>Pre alignment for Equipment Installation</td>
<td>15</td>
</tr>
<tr>
<td>Installing Belt and Chain Drives</td>
<td>10</td>
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<tr>
<td>Installing Fans and Blowers</td>
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<tr>
<td>Millwright Level 3</td>
<td>160</td>
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<tr>
<td>Conveyors</td>
<td>5</td>
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<tr>
<td>Troubleshooting and Repairing Conveyors</td>
<td>12.5</td>
</tr>
<tr>
<td>Conventional Alignment</td>
<td>30</td>
</tr>
<tr>
<td>Pumps</td>
<td>20</td>
</tr>
<tr>
<td>Troubleshooting and Repairing Pumps</td>
<td>7.5</td>
</tr>
<tr>
<td>Compressors and Compressor Maintenance</td>
<td>20</td>
</tr>
</tbody>
</table>

(Continued on next page)
## MILLWRIGHT TRAINING PROGRAM

### COURSE DESCRIPTIONS

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Blueprint Reading (25 Hours)</td>
<td>25</td>
</tr>
<tr>
<td>Describes the use of drawing sets to obtain information about a system. Explains the process of identifying a part of a machine for repair or replacement from a set of drawings.</td>
<td></td>
</tr>
<tr>
<td>Advanced Trade Math (20 Hours)</td>
<td>20</td>
</tr>
<tr>
<td>Explains right triangle trigonometry and its use in the trade. Also covers interpolation, equilateral and isosceles triangles, and the laws of acute triangles.</td>
<td></td>
</tr>
<tr>
<td>Alignment Fixtures and Specialty Jigs (10 Hours)</td>
<td>10</td>
</tr>
<tr>
<td>Explains the applications and fabrication procedures for angle iron, chain, complex reverse indicator, Christmas tree, and piano wire jigs.</td>
<td></td>
</tr>
<tr>
<td>Basic Hydraulic Systems (10 Hours)</td>
<td>10</td>
</tr>
<tr>
<td>Describes principles and types of hydraulic equipment related safety procedures. Describes application of hydraulic equipment.</td>
<td></td>
</tr>
<tr>
<td>Basic Pneumatic Systems (7.5 Hours)</td>
<td>7.5</td>
</tr>
<tr>
<td>Explains pneumatic system components and compressed-air treatment. Introduces equipment auxiliary and special-application equipment used with compressors and with tools.</td>
<td></td>
</tr>
<tr>
<td>Basic Layout (20 Hours)</td>
<td>20</td>
</tr>
<tr>
<td>Discusses the tools used in layout. Explains how to lay out baselines using the arc method and 3-4-5 method.</td>
<td></td>
</tr>
<tr>
<td>Conventional Alignment (30 Hours)</td>
<td>30</td>
</tr>
<tr>
<td>Explains the procedures involved in aligning shafts, first with straight edge and feeler gauges, then with dial indicators.</td>
<td></td>
</tr>
<tr>
<td>Conveyors (5 Hours)</td>
<td>5</td>
</tr>
<tr>
<td>Describes conveyor systems and their principles of operation.</td>
<td></td>
</tr>
<tr>
<td>Couplings (15 Hours)</td>
<td>15</td>
</tr>
<tr>
<td>Identifies types of couplings and covers installation procedures using the press-fit method and the interference-fit method. Also covers coupling removal procedures.</td>
<td></td>
</tr>
<tr>
<td>Fasteners and Anchors (10 Hours)</td>
<td>10</td>
</tr>
<tr>
<td>Identifies fasteners and anchors used by millwrights, including their applications and installation procedures.</td>
<td></td>
</tr>
</tbody>
</table>

(Continued on next page)
Fabricating Shims (5 Hours)
Describes types of shim stock and materials and explains the procedures for fabricating shims.

Field Sketching (10 Hours)
Teaches the basic skills needed to make a good field sketch to convey information about how parts should be made or assembled.

Gaskets and O-Rings (10 Hours)
Describes gaskets and O-rings and their applications. Provides instructions for lying out, cutting, and installing gaskets.

Installing Belt and Chain Drives (10 Hours)
Covers the sizes, uses, and installation procedures of six types of drive belts and two types of chain drives.

Installing Electric Motors (10 Hours)
Describes different types of electric motors, and presents basic guidelines for the installation of motors.

Installing Fans and Blowers
Explains how to install axial-flow fans, centrifugal fans, and roots-type and screw-type blowers.

Installing Mechanical Seals (20 Hours)
Covers the function and advantages of mechanical seals, identifies parts and types of seals, and includes procedures for removing, inspecting, and installing mechanical seals.

Installing Packing (10 Hours)
Explains the types of packing and packing materials found in a typical stuffing box. Covers how to remove packing and how to install compression packing and lip-type packing.

Installing Seals (5 Hours)
Covers the applications, removal, and installation procedures for dynamic and static seals, and lip, up, oil, and labyrinth seals.

Intermediate Blueprint Reading (20 Hours)
Explains orthographic projection, isometric, and schematic drawings used to show piping, hydraulic, and pneumatic systems.

(Continued on next page)

Intermediate Trade Math (20 Hours)
Explains how to use tables of equivalents and conversion tables, figure ratios and proportions, perform right angle trigonometry, calculate takeout's using trigonometry, and calculate volumes and weights of objects.

Laser Alignment (25 Hours)
Using one example system, describes the principles of using laser alignment systems to perform alignments.

Maintaining and Repairing Turbine Components (15 Hours)
Describes the process of inspecting and repairing key components of turbines. Explains the guidelines for maintaining large steam turbines.

Millwright Hand Tools (15 Hours)
Introduces hand tools used by millwrights. Explains hand tool safety and covers the methods for selecting, inspecting, using, and maintaining these tools.

Millwright Power Tools (20 Hours)
Introduces power tools used by millwrights and procedures for using, caring for, and maintaining these tools.

Optical Alignment (25 Hours)
Explains how to use theodolites, optical levels, auto levels, and total stations to place and align equipment.

Orientation to the Trade (5 Hours)
Presents the history of the trade and discusses career paths for millwrights. Describes environments and types of work associated with the millwright trade.

Oxyfuel Cutting (15 Hours)
Explains the safety requirements for oxyfuel cutting. Identifies oxyfuel cutting equipment and provides instructions for setting up, lighting, and using the equipment. Describes how to perform straight line cutting, piercing, beveling, washing, and gouging.

Pre alignment for Equipment Installation (15 Hours)
Explains how to level equipment using jack bolts, wedges, and shims. Covers precision leveling procedures and performing clearance installation. Also describes basic steps for setting motors and pumps.

(Continued on next page)
Precision Measuring Tools (20 Hours)
Explains how to select, inspect, use, and care for levels, calipers, micrometers, height gauges and surface plates, dial indicators, protractors, parallels and gauge blocks, trammels, and pyrometers.

Preventive and Predictive Maintenance (10 Hours)
Explains preventive and predictive maintenance programs. Provides information on nondestructive testing, and introduces the basic techniques for NDE. Lubricant analysis, and acoustic, infrared, and vibration testing are also discussed.

Pumps (20 Hours)
Describes common pumps and their principles of operation. Explains centrifugal, rotary, reciprocating, and metering pumps. Describes net positive suction head and cavitation.

Removing and Installing Bearings (20 Hours)
Explains how to remove, troubleshoot, and install tapered, thrust, spherical roller, pillow block, and angular contact ball bearings.

Reverse Alignment (30 Hours)
Describes preparation for dial indicator reverse alignment, and explains the procedures for setting up reverse alignment jigs. Explains graphic and mathematical techniques for aligning equipment, based on reverse dial indicator measurements.

Specialty Tools (10 Hours)
Explains how to select, inspect, and maintain torque multipliers, cable cutters, nut splitters, key seat rules, zero-to-one micrometers, and various gauges.

Troubleshooting and Repairing Conveyors (12.5 Hours)
Describes maintaining and repairing belt, roller, chain, screw, and pneumatic conveyors.

Troubleshooting and Repairing Gearboxes (20 Hours)
Describes types and operation of gearboxes, and gearbox diagnostics. Explains how to troubleshoot, remove, and disassemble gearboxes, how to identify gear wear patterns, and how to install and maintain gearboxes.

Troubleshooting and Repairing Hydraulic Equipment (7.5 Hours)
Explains inspecting hydraulic system, diagnosing problems, and repairing systems. Shows how to read hydraulic schematic symbols.

Troubleshooting and Repairing Pneumatic Equipment (10 Hours)
Explains repair and maintenance of pneumatic system components. Describes troubleshooting process and methods, including pressure sensors and flow sensors.

Troubleshooting and Repairing Pumps (7.5 Hours)
Describes inspecting, troubleshooting, assembling and disassembling pumps. Explains installing pumps, and preparing them for startup. Discusses shutdown, repair, and removal of pumps from the system.

Turbines (20 Hours)
Describes types of turbines and their components. Describes the operation and common applications of particular types, including gas, steam, and water turbines.

Vibration Analysis (5 Hours)
Explains the causes of vibration and the procedures and types of equipment used in vibration analysis. Describes the equipment used for vibration testing and monitoring; describes field machine balancing.
### NCCER CORE CURRICULUM

**Total Clock Hours 72.5**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Safety</td>
<td>12.5</td>
</tr>
<tr>
<td>Introduction to Construction Math</td>
<td>10</td>
</tr>
<tr>
<td>Introduction to Hand Tools</td>
<td>10</td>
</tr>
<tr>
<td>Introduction to Power Tools</td>
<td>10</td>
</tr>
<tr>
<td>Introduction to Construction Drawings</td>
<td>10</td>
</tr>
<tr>
<td>Introduction to Basic Rigging</td>
<td>7.5</td>
</tr>
<tr>
<td>Basic Communication Skills</td>
<td>7.5</td>
</tr>
<tr>
<td>Basic Employability</td>
<td>7.5</td>
</tr>
<tr>
<td>Introduction to Material Handling</td>
<td>5</td>
</tr>
</tbody>
</table>

### COURSE DESCRIPTIONS

**Basic Communication Skills (7.5 Hours)**

Provides good techniques for effective communication on the job. Includes examples that emphasize the importance of both written and verbal communication skills. Describes the importance of reading skills in the construction industry and covers proper techniques to use in a variety of different written communication formats.

**Basic Employability Skills (7.5 Hours)**

Describes the opportunities offered by the construction trades. Discusses critical thinking and essential problem-solving skills for the construction industry. Also identifies and discusses positive social skills and their value in the workplace.

**Basic Safety (12.5 Hours)**

Presents basic jobsite safety information to prepare workers for the construction environment. Describes the common causes of workplace incidents and accidents and how to avoid them. Introduces common PPE, including equipment required for work at height, and its proper use. Information related to safety in several specific environments, including welding areas and confined spaces, is also provided.

**Introduction to Basic Rigging (7.5 Elective Hours)**

Provides basic information related to rigging and rigging hardware, such as slings, rigging hitches, and hoists. Emphasizes safe working habits in the vicinity of rigging operations.

(Continued from previous page)

**Introduction to Construction Drawings (10 Hours)**

Introduces the basic elements of construction drawings. The common components of drawings are presented, as well as the most common drawing types. The use of drawing scales and how to measure drawings is also covered.

**Introduction to Construction Math (10 Hours)**

Reviews basic math skills related to the construction trades and demonstrates how they apply to the trades. Covers multiple systems of measurement, decimals, fractions, and basic geometry.

**Introduction to Hand Tools (10 Hours)**

Introduces common hand tools used in a variety of construction crafts. Identifies tools and how to safely use them. Proper hand tool maintenance is also presented.

**Introduction to Material Handling (5 Hours)**

Describes the hazards associated with handling materials and provides techniques to avoid both injury and property damage. Common material-handling equipment is also introduced.

**Introduction to Power Tools (10 Hours)**

Identifies and describes the operation of many power tools common in the construction environment. Provides instruction on proper use, as well as on safe-handling guidelines and basic maintenance.

(Continued on next page)
ACCT 1110. Fundamentals of Accounting
Lecture 3, Lab 0, Credit 3
Introduction to bookkeeping with an emphasis on the main processes and concepts involved in accounting for sole proprietorships and merchandising businesses.

ACCT 1120. Bookkeeping Applications
Lecture 3, Lab 0, Credit 3
Practical application of bookkeeping concepts and processes to the accounting cycle for service and merchandising businesses through the completion of practice projects. Prerequisite: ACCT 1110.

ACCT 1150. Federal Income Tax
Lecture 3, Lab 0, Credit 3
Principles and practices relating to income tax returns for individuals. Special attention is given to tax planning, withholding allowances, and itemized deductions. Prerequisite: ACCT 1110 or Special Approval. [LCCN: CACC 2613]

ACCT 1210. Computerized Accounting I
Lecture 3, Lab 0, Credit 3
Basic accounting principles utilizing the application of a current computerized accounting package which includes setting up the accounting system, recording routine transactions, preparing financial statements, and completing the year-end operations. Prerequisite: ACCT 1110 or Special Approval. [LCCN: CACC 2113]

ACCT 1220. Accounting II
Lecture 3, Lab 0, Credit 3
Principles, techniques, and tools of accounting. Includes the principles of collecting, summarizing, and reporting financial information for sole proprietorships. Prerequisite: ACCT 1110. [with ACCT 2020, LCCN: CACC 2113]

ACCT 2010. Accounting I
Lecture 3, Lab 0, Credit 3
Introduction to bookkeeping with an emphasis on the main processes and concepts involved in accounting for sole proprietorships and merchandising businesses.

ACCT 2030. Accounting II
Lecture 3, Lab 0, Credit 3
This course covers identification of the organs, systems, basic functions of the human body and disorders as it relates to each system with an emphasis on the correlation of systems and diagnoses to each system. Prerequisite: ACCT 2010.

ACCT 2040. Managerial Accounting
Lecture 3, Lab 0, Credit 3
Introduction to managerial accounting theory and concepts with an emphasis on techniques used to analyze data and provide information for management decisions. Prerequisite: ACCT 2030 or Special Approval. [LCCN: CACC 2213]

ACCT 2995. Internship
Lecture 0, Lab 3, Credit 3
This course offers an actual workplace experience under the direct supervision of an instructor.

ACCT 2996. Special Projects
Lecture 3, Lab 0, Credit 3
A course designed for the student who has demonstrated specific special needs. Prerequisite: Special Approval.

ACNA 1110. Introduction to Health Care
Lecture 2, Lab 0, Credit 2
The student learns to establish a safe and supportive environment for the patient/resident/client through ethical and legal responsibilities, effective communication, observational skills, safety issues (including fire safety), infection control, CPR, and personal hygiene and grooming practices.

ACNA 1120. Basic Body Structure and Function
Lecture 2, Lab 0, Credit 2
A study which involves the bending, forming, riveting, and inspecting of aircraft metallic structures made of aluminum sheets. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTA 2000. Aircraft Fuel Systems
Lecture .5, Lab .5, Credit 1
This course covers identification of the organs, systems, basic functions of the human body and disorders as it relates to each system with an emphasis on the correlation of systems and diagnoses to each system. Prerequisite: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTA 2030. Sheet Metal
Lecture 2, Lab 2, Credit 4
A study which involves the bending, forming, riveting, and inspecting of aircraft metallic structures made of aluminum sheets. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTA 2040. Composites
Lecture 1, Lab 1, Credit 2
A study of the various forms of nonmetallic structures that includes the inspection of these structures. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTA 2050. Welding
Lecture 5, Lab .5, Credit 1
An introductory course to the science and methodology of welding, brazing, and soldering of materials used in the construction of aircraft. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTA 2060. Assembly and Rigging
Lecture 1, Lab 1, Credit 2
A course of study detailing the assembly of primary and secondary flight controls and the subsequent rigging of these controls. Both fixed and rotary wing aircraft are addressed. Prerequi-
AMTA 2070. Hydraulics and Pneumatics
Lecture 1, Lab 1, Credit 2
A study of the aircraft’s hydraulic and pneumatic systems and the associated components. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTA 2080. Landing Gear and Position/Warning System
Lecture 1, Lab 1, Credit 2
A study of both large and small aircraft landing gear systems and their associated components. The course also includes the position indicating and warning system for retractable landing gear, as well as stall warning and other P&W systems. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTA 2090. Aircraft Electrical Systems
Lecture 2, Lab 2, Credit 4
A course involving the installation, checking, servicing, and repairing of electrical wiring, controls, switches, indicators, components, and circuit protective devices. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTA 2100. Aircraft Instruments
Lecture 5, Lab 5, Credit 1
A course of study on aircraft flight instruments that includes principles of operation, purpose, removals, installations, and system integration. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTA 2110. Communication and Navigation System
Lecture 5, Lab 5, Credit 1
A study of the communication and navigation systems found on both general aviation and air carrier aircraft. Topics include autopilots, VHF and UHF radios, pulse systems, radar, antenna placement, and equipment installations. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTA 2120. Cabin Atmosphere
Lecture 5, Lab 5, Credit 1
A course involving the principles of operation, servicing, inspecting, removing, installing, checking, troubleshooting, and repairing heating, cooling, air conditioning, pressurization, and oxygen systems. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTA 2130. Ice and Rain
Lecture 5, Lab 5, Credit 1
A study of airborne systems to control the formation and removal of structural ice and rain. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTA 2140. Airframe Inspection
Lecture 5, Lab 5, Credit 1
A course of study which allows the student to utilize previous studies in performing airframe conformity and airworthiness inspections. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTA 2150. Aircraft Math and Physics
Lecture 1, Lab 1, Credit 2
A basic course involving the fundamentals of mathematics, physics, and aerodynamics and their relationship to aircraft maintenance.

AMTA 2160. Aircraft Drawings
Lecture 5, Lab 5, Credit 1
A basic course covering the fundamentals of aircraft drawings, sketches, blueprints, graphs, and charts.

AMTG 1030. Ground Operation and Servicing
Lecture 5, Lab 5, Credit 1
A course of study which prepares the student for basic flight line duties such as fueling, directing, securing, taxing, and providing fire suppression for airplanes and helicopters.

AMTG 1040. Materials and Processes
Lecture 1, Lab 1, Credit 2
A study in the use of precision measuring tools, the identification of aircraft hardware and materials, nondestructive testing methods, inspection of welded structures, and basic heat-treating processes.

AMTG 1050. Fluid Lines and Fittings
Lecture 5, Lab 5, Credit 1
A course covering the fabrications, installation, and inspection of flexible and rigid fluid lines.

AMTG 1060. Cleaning and Corrosion Control
Lecture 5, Lab 5, Credit 1
A course covering the selection of cleaning materials and cleaning of aircraft and the inspection, identification, removal, and treatment of aircraft corrosion.

AMTG 1070. Weight and Balance
Lecture 1, Lab 1, Credit 2
A course of study that includes solving weight and balance problems, computing forward and aft-loaded center of gravity limits, equipment changes, loading schedules, helicopter weight and balance and examining weight and balance records.

AMTG 1080. Documents and Regulations
Lecture 1, Lab 1, Credit 2
The study and application of FAA and manufacturer maintenance publications, mechanic privileges and limitations, and maintenance forms and records.

AMTG 1090. Basic Electricity
Lecture 2, Lab 1, Credit 3
A basic course covering the relationship, measurement, and the calculation of voltage, current resistance, continuity and power in DC circuits, as well as the calculation of power, capacitance, resistance, and inductance in AC circuits. The inspection, servicing, and theory of operation of the different types of aircraft electrical systems are also discussed.

AMTP 2200. Aircraft and Engine Fire Protection
Lecture 5, Lab 5, Credit 1
A study in the operation and inspection of smoke and carbon monoxide detection systems, engine fire detection, and extinguishing systems.

AMTP 2210. Reciprocating Engines
Lecture 2, Lab 3, Credit 5
A study of the overhaul, repair, inspection, and troubleshooting of both opposed and radial reciprocating engines. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTP 2220. Turbine Engines and APU
Lecture 2, Lab 1, Credit 3
A study of the theory, design, construction, installation, repair, and operation of the turbine engines and turbine powered APU. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTP 2230. Induction and Engine Airflow Systems
Lecture 5, Lab 5, Credit 1
A course of study involving both turbine and reciprocating engine induction and airflow systems. Topics include ice/rain protection, heat exchangers, turbochargers, filters, and intake manifolds.
AMTP 2240. Exhaust (Reverser) and Cooling Systems
Lecture 5, Lab 5, Credit 1
A course of study, in which both reciprocating and turbine exhaust and cooling systems are inspected, serviced, checked, and repaired. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTP 2250. Lubrication Systems
Lecture 5, Lab 5, Credit 1
A study of the lubrication systems of both turbine and reciprocating engines. Topics include identification and selection of lubricants, and the repair, inspection, and troubleshooting of the system. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTP 2260. Engine Electrical Systems
Lecture 2, Lab 1, Credit 3
A course of study involving the installation, checking, servicing, and repairing of electrical components, wiring, controls, switches, indicators, and protective devices found on engine electrical systems. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTP 2270. Engine Instruments
Lecture 5, Lab 5, Credit 1
A study of the instrumentation used in monitoring both reciprocating and turbine engine performance. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTP 2280. Ignition and Starting Systems
Lecture 1, Lab 1, Credit 2
A course of study in the repair, servicing, and troubleshooting of both reciprocating and turbine engine ignition and starting systems. Topics include magneto s, ignition leads, spark plugs/igniters, and electrical/pneumatic starters. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTP 2290. Fuel Metering Systems
Lecture 2, Lab 1, Credit 3
A study of the fuel metering systems of both reciprocating and turbine engines. Topics include the inspection, repairing, servicing, and troubleshooting of these systems. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTP 2300. Propellers and Rotors
Lecture 2, Lab 1, Credit 3
A study of propellers, helicopter rotors, and their related systems, including maintenance, inspections, modifications, and overhaul techniques and practices. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

AMTP 2310. Engine Inspection
Lecture 5, Lab 5, Credit 1
A course of study that allows the student to use previous studies to perform engine conformity and airworthiness inspections. Prerequisites: AMTG 1010, AMTG 1020, AMTG 1030, AMTG 1040, AMTG 1050, AMTG 1060, AMTG 1070, AMTG 1080, AMTG 1090.

ANUR 1040. PN Anatomy & Physiology
Lecture 5, Lab 0, Credit 5
This course presents a study of the structure and function of the human body systems to include cells/tissues/membranes, 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. Prerequisites: Admission to the nursing program; eligibility to enroll in college level courses.

ANUR 1060. Basic Nutrition & Diet Therapy
Lecture 2, Lab 0, Credit 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. Diet therapy will be incorporated in the application of basic nutritional principles and therapeutic diets used in the management of disease conditions for all age groups. Prerequisites: Admission to the nursing program; eligibility to enroll in college level courses.

ANUR 1233. Nursing Fundamentals I
Lecture 2, Lab 0, Credit 3
This course provides an introductory survey of the major issues in adult development and aging changes, cognitive changes, and disease factors; along with the physiological, psychosocial, sociocultural, and spiritual needs of clients in various health care environments. The student is introduced to the basic concepts of the adult population including measurements of physiological statistics and documentation of these findings, basic nutritional intake/output, proper use of body mechanics, bed-making, and infection control. Omnibus Budget Reconciliation Act (OBRA) guidelines are presented as application of the nursing process in the management of clients with health alterations. Supervised lab experiences that focus on providing basic nursing skills are emphasized in identifying internal and external stressors and adaptive responses that adult clients experience in the maintenance or promotion of health. Health care environments utilized include long term care facilities, skilled nursing facilities, and acute care settings. This course includes a 30-hour skills lab experience and a 64-hour clinical component. Prerequisites: Admission to the nursing program; eligibility to enroll in college level courses.

Note: Students who wish to articulate to the Practical Nursing Program must meet LSBPNE admission requirements. Students must pass both the theory and clinical component of this course with at least an 80% in each component to successfully complete the course and articulate to the Practical Nursing Program. If students do not wish to articulate to the Practical Nursing Program, they must meet the admission requirements for the Certified Nurse Assistant program and complete both the theory and clinical components of this course with at least a 70% in each component.

ANUR 1240. Nursing Fundamentals II
Lecture 2, Lab 1, Credit 3
This course provides further detail of the major issues in adult development and aging including biological influences, aging changes, cognitive changes, and disease factors; along with the physiological, psychosocial, sociocultural, and spiritual needs of clients in various health care environments. The student is introduced to additional concepts of the adult population including measurements of physiological statistics and documentation of these findings, basic nutritional intake/output, proper use of body mechanics, bed-making, and infection control. Omnibus Budget Reconciliation Act (OBRA) guidelines are presented as application of the nursing process in the management of clients with health alterations. Supervised lab experiences that focus on providing basic nursing skills are emphasized in identifying internal and external stressors and adaptive responses that adult clients experience in the maintenance or promotion of health. Health care environments utilized include long term care facilities, skilled nursing facilities, and acute care settings. This course includes a 30-hour skills lab experience and a 64-hour clinical component. Prerequisites: Admission to the nursing program; eligibility to enroll in college level courses.
and the development of critical thinking skills of the novice nurse practices will be incorporated. Supervised lab experiences that focus on providing more advanced nursing skills are emphasized in identifying internal and external stressors and adaptive responses that adult clients experience in the maintenance or promotion of health. Prerequisites: Admission to the nursing program; eligibility to enroll in college level courses.

ANUR 1350. Introduction to Health Care
Lecture 4, Lab 0, Credit 4
This course includes the discussion of the concepts of health, health maintenance, and illness. Emphasis is placed on the life cycle. The effects of stress and related defense or coping mechanisms are introduced along with the use of therapeutic communication. The course identifies trends in health care and local, state, and national health resources available for the maintenance of health. Students learn about the role of the practical nurse and the history of practical nursing education, necessary vocational adjustments, and the Louisiana State Board of Practical Nurse Examiners. Legal, ethical and cultural issues relevant to client care are addressed. In order to be successful in this course it is necessary that the student possess basic computer skills. Prerequisites: Admission to the nursing program; eligibility to enroll in college level courses.

ANUR 1450. Basic Pharmacology
Lecture 2, Lab 1, Credit 3
This course provides information on pharmacology that is essential for accurately calculating dosages and understanding drug orders and labels. Students learn to recognize common abbreviations and to select correct dosages for medication administration. Critical thinking skills are applied to medication situations, emphasizing the importance of accuracy and the prevention of medication errors. Students will learn procedures for oral, intramuscular, enteral, parental, topical, and instillation administration routes/methods. Safety precautions, guidelines, and documentation will also be emphasized. Prerequisites: ANUR 1040, ANUR 1060, ANUR 1233, ANUR 1240, ANUR 1350.

ANUR 2110. Medical/Surgical Nursing Concepts I
Lecture 5, Lab 0, Credit 5
Nursing theory related to the care of the preoperative client and the adult medical/surgical client experiencing alterations in respiratory, cardiovascular, lymphatic functions are presented. Principles of fluid and electrolytes balance are discussed. Diet therapy and pharmacological agents used both in the nursing care of these health alterations and to maintain health is included in the discussions. Nursing implications for discharge planning and client education for the promotion of health are stressed. Prerequisites: ANUR 1040, ANUR 1060, ANUR 1233, ANUR 1240, ANUR 1350. Corequisite: ANUR 2112.

ANUR 2112. Medical/Surgical Nursing Clinical Application I
Lecture 0, Lab 3, Credit 3
This course builds upon the nursing care theory and skills discussed in Nursing Fundamentals I, Nursing Fundamentals II, and Medical/Surgical Nursing Concepts I. Using the nursing process, students perform basic and increasingly advanced clinical nursing skills in appropriate health facilities under the supervision of the instructor. The student begins to use the nursing process to plan and implement safe nursing care. Prerequisites: ANUR 1040, ANUR 1060, ANUR 1233, ANUR 1240, ANUR 1350. Corequisite: ANUR 2112.

ANUR 2210. Medical/Surgical Nursing Concepts II
Lecture 5, Lab 0, Credit 5
This course builds upon knowledge gained from Medical/Surgical Concepts I. Nursing care of the medical/surgical adult client with neoplasia and skin disorders, and alterations in musculoskeletal, gastrointestinal and the endocrine system are discussed. The appropriate pharmacologic agents and diet therapy necessary for health restoration are discussed. Prerequisites: ANUR 1450, ANUR 2110, ANUR 2112. Corequisite: ANUR 2212.

ANUR 2212. Medical/Surgical Nursing Clinical Applications II
Lecture 0, Lab 3, Credit 3
Building on Medical/Surgical Nursing Clinical Applications I, students utilize the nursing process to demonstrate basic to advanced clinical nursing skills in a variety of health care settings under the supervision of an instructor. Students have the opportunity to participate in health screening activities. The role and responsibilities of the practical nurse as a health team member are emphasized. Prerequisites: ANUR 1450, ANUR 2110, ANUR 2112. Corequisite: ANUR 2210.

ANUR 2223. Mental Health Nursing Concepts
Lecture 2, Lab 5, Credit 2.5
The student utilizes the nursing process to provide care to client experiencing psychopathological, emotional, and behavioral alterations. Appropriate pharmacological agents, their actions, uses, and side effects are discussed. Client education and diet modifications related to the use of these medications are stressed. Health promotion activities necessary to promote and maintain optimal mental health are explored. Using the nursing process, students demonstrate appropriate communication techniques and have the opportunity to participate as a member of a multidisciplinary health care team in the care of a selected client in the mental health setting. This course includes a 32-hour clinical component. Prerequisites: ANUR 1040, ANUR 1060, ANUR 1233, ANUR 1240, ANUR 1350. Note: Students must pass both the theory and clinical components of this course with an 80% in each component to successfully complete the course and advance in the Practical Nursing Program.

ANUR 2243. Maternal Neonate Nursing
Lecture 2, Lab 5, Credit 2.5
This course emphasizes the use of the nursing process to perform skills in the maternal and neonatal setting to meet the needs of the client and neonate during antepartal, intrapartal, and postpartal periods. Historical/current issues, trends, growth and development of the childbearing family, fetal development, and gestation are presented. Nursing care of the client and her family during the antepartal, intrapartal, and postpartal periods is studied. Complications of pregnancy and their treatment and nursing care are discussed. This course includes a 32-hour clinical component. Prerequisites: ANUR 1040, ANUR 1060, ANUR 1233, ANUR 1240, ANUR 1350. Note: Students must pass both the theory and clinical components of this course with an 80% in each component to successfully com-
complete the course and advance in the Practical Nursing Program. (For Semesters 2 and 3)

ANUR 2310. Medical/Surgical Nursing Concepts III
Lecture 5, Lab 0, Credit 5

This course builds on knowledge gained in Medical/Surgical Nursing Concepts II and Medical/Surgical Nursing Clinical Applications II. The nursing care of clients experiencing complex health alterations in the urinary, reproductive, sensory, and neurological systems is discussed. The appropriate pharmacologic agents and diet therapy necessary for health restoration are discussed. Prerequisites: ANUR 2110, ANUR 2210, ANUR 2212. Corequisite: ANUR 2312.

ANUR 2312. Medical/Surgical Nursing Clinical Applications III
Lecture 0, Lab 3, Credit 3
Building on Medical/Surgical Nursing Clinical Applications II, the student utilizes the nursing process to provide safe, effective nursing care to adult medical/surgical client. Clinical opportunities include a Senior Management Rotation in a long-term care facility to enhance the leadership and management skills of the student and allow for further development of critical-thinking and problem-solving techniques. Prerequisites: ANUR 2150, ANUR 2210, ANUR 2212. Corequisite: ANUR 2310.

ANUR 2323. Pediatric Nursing
Lecture 2, Lab 5, Credit 2.5

In this course, students study adaptive behaviors utilized within the family unit to maintain and promote health. Students have the opportunity to demonstrate nursing skills specifically employed with pediatric clients. They learn to adapt the nursing process to reflect appropriate developmental stages and how to modify nursing actions for the pediatric client. This course also presents essential information related to growth and development from infancy through adolescence and those diseases common to the particular age groups. Health alterations commonly occurring during this period of the life span are explored. Students focus on age appropriate nursing care for the restoration of health and the promotion of wellness. This course includes a 32-hour clinical component. Prerequisites: ANUR 1450. Note: Students must pass both the theory and clinical components of this course with an 80% in each component to successfully complete the course and advance in the Practical Nursing Program.

ANUR 2340. Advanced Pharmacology
Lecture 2, Lab 0, Credit 2

Drug interactions and their effect on the various body systems are presented. Specific chemicals used in automotive service, tools and the tools used in the automotive service industries. Prerequisites: ANUR 2110, ANUR 2112, ANUR 2210, ANUR 2212, ANUR 2223, ANUR 2230. Note: Students must pass both the theory and clinical components of this course with an 80% in each component to successfully complete the course.

ARTS 1200. Introduction to Visual Arts
Lecture 3, Lab 0, Credit 3

This course is a study of the nature and meaning of the visual arts including painting, drawing, sculpture, printmaking, photography, and architecture. (LCCN: CART 1023)

AUTO 1002. Engine Repair
Lecture 2, Lab 3, Credit 5

This course covers the theory, construction, and operation of the internal combustion engine. Topics include: automotive engine design, performance testing of engines, engine removal and disassembly, cylinder head service, short block service, engine assembly and installation, engine lubrication system, and drivability problems related to internal engine problems. Prerequisite: AUTO 1002.

AUTO 1202. Automatic Transmission and Transaxle
Lecture 1, Lab 4, Credit 5

This course will cover theory, design, and operation of automatic transmissions and transaxles. Topics include the following: transmission design and components, electric transmission controls, and automatic transmission diagnosis and service. Prerequisite: AUTO 1002.

AUTO 1302. Manual Drive Train
Lecture 2, Lab 3, Credit 5

This course will cover the theory, design, and function of the manual drive train. The following topics are included: manual transmission components, operation, diagnosis, and service; clutch assembly components, operation, diagnosis, and service; driveshaft and axle components, diagnosis, and service; differential components, diagnosis, and service; and four-wheel drive operation, diagnosis, and service. Prerequisite: AUTO 1002.

AUTO 1402. Steering and Suspension
Lecture 2, Lab 3, Credit 5

This course covers the theory, function, and operation of the automotive steering and suspension system. Topics include the following: steering and suspension system design, inspection and service of steering and suspension system components, Macpherson Strut analysis and service, wheel bearing and spindle service, adjusting
This course will cover theory, design, and operation of the automotive brake systems. Topics include the following: disc and drum brake system components; properties of brake fluids; components of the hydraulic brake system; diagnosing, replacing, and adjusting automotive brake systems; and the design, components, operations, diagnosis, and service of the antilock brake system (ABS). Prerequisite: AUTO 1002.

AUTO 1602. Electrical/Electronic I Lecture 2, Lab 3, Credit 5

This course will teach the fundamentals of the electrical/electronic automotive systems. Topics will include the following: Ohms Law; electrical circuit design; principles of electricity; testing and service of automotive batteries; analysis and service of the automotive charging system, automotive lighting, and air conditioning; and using electrical troubleshooting manuals. Prerequisites: AUTO 1002.

AUTO 1612. Electrical/Electronic II Lecture 2, Lab 3, Credit 5

This is the advanced-level electrical/electronic course. Topics include the following: principles of electronics; electronic circuit design; analysis and service of automotive gauges and warning devices; analysis and service of automotive computer systems; analysis and service of active restraint systems; and the function, analysis, and service of the automotive computer system. Prerequisite: AUTO 1602.

AUTO 1702. Heating and Air Conditioning Lecture 1, Lab 3, Credit 4

This course will cover the theory and design of automotive climate control systems. The following topics will be included in this course:

- principles of refrigeration, air conditioning design, components, and controls, diagnosis, and service of air conditioning systems; and automotive heating system components, diagnosis, and service. Prerequisite: AUTO 1002.

AUTO 1802. Engine Performance I Lecture 2, Lab 2, Credit 5

This course is designed to teach the concepts of automotive fuel systems. Topics include the following: fuels and fuel specifications; fuel supply systems; carburetor analysis and service; types of electronic fuel injection; components, testing, and service of electronic fuel injection; exhaust system analysis and service; and drivability problems related to fuel systems. Prerequisite: AUTO 1002.

AUTO 1812. Engine Performance II Lecture 2, Lab 3, Credit 5

This course is designed to teach the concepts of automotive electrical systems. Topics include the following: engine and performance testing; ignition system theory, analysis, and service design; ignition-related computerized engine controls; and drivability problems related to the ignition system. Prerequisite: AUTO 1002.

AUTO 1822. Engine Performance III Lecture 2, Lab 2, Credit 4

This course will cover the design, function, and operation of the emissions systems as well as EPA guidelines. Topics include the following: relationship of automobile and air pollution, drivability problems related to emission systems, components of vehicle emission system, analysis and service of emission system operation, government mandated emission testing, use of exhaust gas analysis to test emission, and OBDD and OBDB systems. Prerequisite: AUTO 1002.

BIOL 1010. General Biology I Lecture 3, Lab 0, Credit 3

This course is a study of basic biological principles and concepts. Intended for non-science majors. [LCCN: CBIO 1013]

BIOL 1011. General Biology I Laboratory Lecture 0, Lab 1, Credit 1

Laboratory investigations designed to demonstrate and complement the lessons of General Biology I. Prerequisite or corequisites: BIOL 1010. [LCCN: CBIO 1011]

BIOL 1020. General Biology II Lecture 3, Lab 0, Credit 3

This course is a study of basic biological principles and concepts. Intended for non-science majors. [LCCN: CBIO 1023]

BIOL 1021. General Biology II Laboratory Lecture 0, Lab 1, Credit 1

Laboratory investigations designed to demonstrate and complement the lessons of General Biology II. Prerequisite or corequisites BIOL 1020. [LCCN: CBIO 1021]

BIOL 2100. Essentials of Anatomy and Physiology Lecture 3, Lab 0, Credit 3

This is a basic study of the structure and function of the human body. It includes body systems, as well as an introduction to homeostasis, cells, tissues, nutrition, acid-base balance, and electrolytes. Intended for non-science majors.

BIOL 2104. Introductory Microbiology Lecture 3, Lab 1, Credit 4

A basic study of microorganisms and their role in disease, sanitation, ecology, and industry. [LCCN: CBIO 2104]

BIOL 2250. Human Anatomy and Physiology I Lecture 3, Lab 1, Credit 4

A study of the structure and function of the following systems: skeletal, muscular, nervous, circulatory, and lymphatic. Prerequisites: BIOL 1020 and BIOL 1021. [LCCN: CBIO 2214]

BIOL 2260. Human Anatomy and Physiology II Lecture 3, Lab 1, Credit 4

A study of the structure and function of tissues and the following systems: endocrine, digestive, urinary, reproductive, and respiratory. Prerequisite: BIOL 2250. [LCCN: CBIO 2224]

BUSI 1010. Banking Principles Lecture 3, Lab 0, Credit 3

This course gives an orientation to the essential principles, concepts, and operations of banking and helps develop an understanding of the function of banking and its role in the United States economy. [LCCN: CECN 2313]

BUSI 1012. Banking Customer Service Lecture 3, Lab 0, Credit 3

This course is designed to promote professional behavior in the workplace. It provides training in methods for achieving the appropriate level of client satisfaction. Prerequisites: BUSI 1010.

BUSI 1030. Introduction to Business Lecture 3, Lab 0, Credit 3

This course provides a fundamental working knowledge of the functions of business and the contributions to society. This course also covers communication technology, globalization, and business ethics.

BUSI 1080. Human Resource Management Lecture 3, Lab 0, Credit 3

This course is designed to strengthen the understanding of today's important human resource issues and equip participants with the skills to overcome current, practical HRM challenges. The course discusses contemporary human resource management cases, applicable focused exercises with critical hands-on experience to aid in problem-solving and decision making activities necessary in today's marketplace. [LCCN: CMGM 2213]

BUSI 1090. Personal Finance Lecture 3, Lab 0, Credit 3

This course offers an overview of personal financial planning with an emphasis on money management principles, consumer financial de-
decisions, budgeting, insurance, and investing from an individual perspective. [LCCN: CFIN 2113]

BUSI 1210. Business Math
Lecture 3, Lab 0, Credit 3
A study of various business-related mathematical processes, principles, and techniques used to solve business problems.

BUSI 1210. General Environment
Lecture 3, Lab 0, Credit 3
A study of the legal influences on the business environment. Topics include structure of court systems, constitutional, administrative, employment, antitrust, securities regulation, international, environmental, and consumer law, social issues and business ethics, business contracts. Prerequisite: BUSI 1030.

BUSI 2300. Business Communications
Lecture 3, Lab 0, Credit 3
This course includes the following: the communication theories and their applications; the role of technology; legality and ethics; the psychological approaches to preparing business letters; analysis and solution of business problems through effective letters and memos. Prerequisite: ENGL 1010.

BUSI 2995. Internship
Lecture 0, Lab 3, Credit 3
This course offers an actual workplace experience under the direct supervision of an instructor.

CADD 1101. Computer Aided Drafting I
Lecture 1, Lab 3, Credit 4
This course is an introduction to computer-aided drafting. It introduces the basic concepts and principles of CAD, covering basic CAD commands. Emphasis is on drawing setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating and scaling objects; adding text, using layers; coordinating systems and input and output devices.

CADD 1201. Computer Aided Drafting II
Lecture 1, Lab 3, Credit 4
This course is an application of basic use of commands and components of a CAD workstation. It includes setting up and preparing working drawings. It covers the advanced principles of CAD and making use of advanced commands to develop complex, drawings. It is a continuation of practices and techniques used in Basic I. This course emphasizes the development of symbol libraries; application of parametric principles; dimensioning, blocks, three-dimensional and isometric drawings; customizing program menus and extracting attributes. Students create three-dimensional objects and link graphic entities to external non-graphic data. Prerequisite: CADD 1101, DRFT 1101, DRFT 1102, DRFT 1103, DRFT 1104.

CCSS 1000. College & Career Success Skills
Lecture 1, Lab 0, Credit 1
A course designed to provide students with the skills, information and guidance useful for success in college. Students will be introduced to strategies that promote success in college as well as the workplace. Includes an introduction to the college and its resources, recognition of various learning styles, critical thinking, problem-solving, financial literacy, time management, note taking, test taking, listening skills, basic technology skills, social and academic growth.

CHEM 1010. General Chemistry I
Lecture 3, Lab 0, Credit 3
An introductory course including atomic and molecular structure, chemical nomenclature, measurement, and stoichiometry. Prerequisite: “C” or better in College Algebra. [LCCN: CCEM 1123]

CHEM 1011. General Chemistry I Laboratory
Lecture 0, Lab 1, Credit 1
Laboratory investigations designed to demonstrate and complement the lessons of General Chemistry. Prerequisite or corequisites: CHEM 1010, [LCCN: CCEM 1121]

CHEM 1020. General Chemistry II
Lecture 3, Lab 0, Credit 3
An introduction to chemistry including Acid-base reactions, thermochemistry, chemical thermodynamics, kinetics, equilibria (acid-base and solubility), and electrochemistry. The course focuses on developing a molecular viewpoint of chemistry, as well as an understanding of broad chemical principles. Prerequisite: “C” or better in CHEM 1010. [LCCN: CCEM 1133]

CHEM 1021. General Chemistry II Laboratory
Lecture 0, Lab 1, Credit 1
Laboratory investigations designed to demonstrate and complement the lessons of General Chemistry. Prerequisite or corequisite: CHEM 1020. [LCCN: CCEM 1131]

CLRP 1110. Orientation and Safety
Lecture 1, Lab 0, Credit 1
Overview of the collision repair industry and basic safety and health information needed to prepare individuals entering the work force.

CLRP 1121. Tools and Equipment
Lecture 0, Lab 3, Credit 3
Fundamentals of hand and power tools, equipment, and materials used in collision repair industry. Prerequisites: CLRP 1110.

CLRP 1131. Identification and Analysis
Lecture 0, Lab 3, Credit 3
The analysis of body construction. Emphasis is given to diagnosis and repair of collision related items. Prerequisites: CLRP 1110 or AUTO 1002.

CLRP 1150. Mechanical Components
Lecture 0, Lab 4, Credit 4
The application of welding equipment and procedures as they pertain to collision repair processes. Emphasis is given to the setup and use of oxyacetylene, MIG, and other welding equipment. Prerequisites: CLRP 1110 or AUTO 1002.

CLRP 1150. Refinishing/Detailing
Lecture 1, Lab 3, Credit 3
Theory and application of proper refinishing and detailing procedures; Includes the proper operation of spray equipment, surface preparation, priming, top coat application, polishing and
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CLRP 2111. Restraint Systems
Lecture 0, Lab 2, Credit 2
A study of the types and operation of passive and active restraint systems; includes theory of operation, components, troubleshooting, and removal and replacement of restraint systems. Prerequisites: CLRP 1110.

CLRP 2121. Plastic Repair
Lecture 0, Lab 1, Credit 1
The fundamentals of plastic repair. Emphasis is given to the proper repair procedures for rigid and flexible plastic; includes plastic welding and bonding procedures. Prerequisites: CLRP 1110.

CLRP 2130. Basic Metal Alignment and Finishing
Lecture 1, Lab 5, Credit 6
Basic repair techniques used in alignment of body panels such as dent pulling, minor repairs, etc. Prerequisites: CLRP 1110.

CLRP 2140. Corrosion
Lecture 1, Lab 2, Credit 3
Theory and application of the identification and repair of corrosion damage; includes methods used in restoring corrosion protection and sealant application. Prerequisites: CLRP 1110.

CRMJ 1110. Introduction to Criminal Justice
Lecture 3, Lab 0, Credit 3
Review of history and philosophical background of the US criminal justice systems; the organization of its agencies and processes including the legislature, police, prosecutor, courts, corrections; including their development of modern practices and their role in today's society. [LCCN: CCRJ 1013]

CRMJ 1120. Criminal Justice Writing
Lecture 3, Lab 0, Credit 3
Study of investigative procedures including theory, legal aspects, evidence collection, preservation, submission, interviews, interrogations, search and protection of crime scene, patrol and observation, note taking, and report writing.

CRMJ 1322. Criminal Investigation
Lecture 2, Lab 1, Credit 3
Study of substantive criminal law including definition of law, crime, defenses, criminal responsibility, punishments, and court systems. Prerequisite: Eligible for ENGL 1010 or ENGL 1020.

CRMJ 1340. Criminology
Lecture 3, Lab 0, Credit 3
Study of the theories used to explain criminal behavior. [LCCN: CCRJ 2213]

CRMJ 1410. Juvenile Delinquency
Lecture 3, Lab 0, Credit 3
Study juvenile delinquency with emphasis on theories, preventive programs, juvenile courts, and treatment.

CRMJ 1422. Judicial Process
Lecture 3, Lab 0, Credit 3
Examination of role, function, structure of courts and how they relate to criminal justice. Prerequisite: Eligible for ENGL 1010 or ENGL 1020.

CRMJ 2112. Social Problems for Criminal Justice
Lecture 3, Lab 0, Credit 3
Analysis of major social problems in today's society focusing on causes and consequences. This course is designed for Criminal Justice majors only. Prerequisites: CRMJ 1110 and Eligible for ENGL 1010.

CRMJ 2510. Introduction to Forensics
Lecture 2, Lab 1, Credit 3
Study of investigative techniques and scientific methods used in criminal investigations. Prerequisites: CRMJ 1110 and Eligible for ENGL 1010 or ENGL 1020.

CRMJ 2520. Drugs, Crime, and Criminal Justice
Lecture 3, Lab 0, Credit 3
Overview of illegal drugs, drug traffic, gang organizations in the local area; discussion of the care and use of firearms in law enforcement. Prerequisites: CRMJ 1110 and Eligible for ENGL 1010 or ENGL 1020.

CRMJ 2552. Criminal Justice Externship
Lecture 0, Lab 3, Credit 3
Provides hands on experience at a criminal justice agency, allowing students to take classroom knowledge into the real working realities of the criminal justice system. Prerequisites: CRMJ 1110 and Eligible for ENGL 1010 or ENGL 1020.

CRMJ 2997. Selected Topics in Criminal Justice
Lecture 3, Lab 0, Credit 3
Examines current issues in the criminal justice system; students will analyze, explore, question, and develop possible responses to issues presented. Prerequisites: CRMJ 1110 and Eligible for ENGL 1010.

CRMJ 2998. Selected Topics in Criminal Justice
Lecture 3, Lab 0, Credit 3
Examines current issues in the criminal justice system with emphasis on topics appropriate for students considering transfer to a baccalaureate degree. Students will analyze, explore, question, and develop possible responses to issues presented. Prerequisites: CRMJ 1110 and Eligible for ENGL 1010.

CULN 1103 Basic Skills Development
Lecture 3, Lab 0, Credit 3
An exploration of standard units of measure and unit conversion, estimation, percent, ratio, yield tests, recipe scaling, and recipe costing as they relate to the food industry. Students will learn to use mathematics in preparing requisitions, price lists, purchase orders, invoicing, weight and measurement conversions, costing, and yield calculations. Prerequisites/Co-Requisites: None

CULN 1133, Sanitation and Safety
Lecture 3, Lab 0, Credit 3
Students will develop an understanding of the basic principles of sanitation and safety, personal hygiene; explore the fundamentals of microbiology and the application to food and environmental sanitation. Students will be able to describe the origins of food-borne disease and the importance of utilizing proper sanitation and safety procedures required to prevent food-borne illnesses in the work place. Students successfully completing the course and the national exam will receive a food safety certificate. (This course is a lecture only course; the hands on skills will be applied throughout the remaining food service lab classes). Prerequisites/Co-Requisites: None
CULN 1133. A La Carte
Lecture 0, Lab 3, Credit 3
This course prepares the student for basic
cooking methods and includes the study and
hands on duties of salads bar/station, hot/cold
sandwich station, sauté station, fry station, grill/boil station. The student will provide hands
on managerial concepts of food and labor cost,
scheduling, purchasing, and menu planning din-
ing room service functions using a variety of types
of service as well as providing hands on sanita-
tion and safety procedures required to prevent
food-borne illnesses in the work place. Students
will be exposed to the foundations of modern
restaurant cooking, allowing them to refine their
skills and build their repertoire. Prerequisites:
"C" or better in: CULN 1103, CULN 1172, CULN 1133, CULN 1223, CULN 1506. Co-Requisites: None

CULN 1506. Introduction to Culinary Principles
Lecture 2, Lab 4, Credit 6
The students will develop the understanding
and demonstrate hands on managerial con-
cepts of the food service industry, sanitation and
safety, tools and equipment, menus, recipes, and
cost management, nutrition, basic principles
of cooking and food science, and mise en place.
The Student will develop the understanding and
demonstrate their skills in making stocks, sauces
and soups as well as the composition, structure,
cuts, cooking and handling of meats and game,
poultry and game bird, fish and shellfish, vege-
tables, potatoes, legumes, grains and pasta and
other starches. Students will be exposed to the
foundations of modern restaurant cooking, al-
lowing them to refine their skills and build their
repertoire. Prerequisites/Co-Requisites: None

CULN 1603. Culinary Production Principles for Dining Facilities
Lecture 0, Lab 3, Credit 3
This course will enable the students to pre-
cede and prepare foods in meats and game, poultry
and game birds, fish and shell fish, vegetables,
cooking potatoes, legumes, grains, pasta, and
other starches, egg and breakfast product cookery,
and advanced food cookery using the following
cooking techniques: Poaching, simmering, boil-
ing, steaming, braising, roasting, baking, broiling,
grilling, griddle, pan broiling, sautéing pan fry-
ing and deep frying using appropriate prepara-
tions and cooking procedures to maintain a quality product. The student will also prepare
stocks, soups, the five mother sauces and their
variations, as well as learning the use of thick-
ening agents, reductions, and glazes. The stu-
dent will provide hands on managerial concepts
of food and labor cost, scheduling, purchasing,
and menu planning, dining room service func-
tions using a variety of types of service as well
as providing hands on sanitation and safety pro-
cedures required to prevent food-borne illnesses
in the work place. Students will be exposed to the
foundations of modern restaurant cooking al-
lowing them to refine their skills and build their
repertoire. Prerequisites: "C" or better in: CULN
1103, CULN 1172, CULN 1133, CULN 1223,
CULN 1506. Co-Requisites: None

CULN 2110. Culinary Production Externship
Lecture 0, Lab 10, Credit 10
This externship is an intermediate level work-experience course that is designed to pro-
vide students with a hands-on learning experi-
ence in the food service industry. Students apply
theoretical knowledge of culinary arts, demon-
strate practical skills of production, and practice
professionalism in a college-approved indus-
try setting. Upon completion of this term-long
course, students gain a broader understanding
of the demands and expectations of the food service
industry while improving their skills in the craft
of culinary arts. Each student will be required to
submit a portfolio of their experiences during the
externship. Prerequisites: "C" or better in: CULN
1103, CULN 1172, CULN 1133, CULN 1223,
CULN 1506, CULN 1603, CULN 2413, CULN
1323, CULN 1233, CULN 1953. Co-Requisites:
None

CULN 2413. Regional Cuisine
Lecture 1, Lab 2, Credit 3
Students are introduced to Regional Cuisine
including traditional Cajun and Creole as well
as local regional fare. Menus incorporate a broad
range of skills, cooking techniques and ingredi-
ents. Students will be exposed to the foundations
of modern restaurant cooking, allowing them to
apply the knowledge of laws and regulations
relating to safety and sanitation in the kitchen.
Whole dessert presentations and creative plate
presentations are also emphasized. The student
will provide hands on dining room service func-
tions using a variety of types of service as well
as providing hands on sanitation and safety pro-
cedures required to prevent food-borne illnesses
in the work place. Students will be exposed to the
foundations of modern restaurant baking al-
lowing them to refine their skills and build their
repertoire. Prerequisites: "C" or better in: CULN
1103, CULN 1172, CULN 1133, CULN 1223,
CULN 1506. Co-Requisites: None

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refine their skills and build their repertoire. This course includes an individual or team(s) preparation of a specified number and variety of regional dishes for portfolio, using advanced skills, instructor-prepared criteria, and evaluation processes. Includes a research paper. Prerequisites: “C” or better in: CULN 1103, CULN 1172, CULN 1133, CULN 1223, CULN 1506, Co-Requisites: None

CULN 2433. Food and Beverage Operations
Lecture 3, Lab 0, Credit 3

The course will prepare the student for the transition from employee to supervisor. The student will be able to conduct an analysis and explanation of basic supervisory management skills, management styles, motivation and emphasis on human relations, delegation, training, evaluation, and communication. This course also covers employee termination procedures. Students will also be introduced to the many components of the travel industry with emphasis on automation, types of travelers, safety, international travel, political, and environmental issues facing the industry. Prerequisites/Co-Requisites: None

DRFT 1101. Drafting Fundamentals
Lecture 1, Lab 1, Credit 2

This course is an orientation to the drafting profession. It is an introduction to engineering drawing and design. The students will gain knowledge of drafting equipment, media and reproductions methods and will learn sketching, lettering and drawing using the alphabet lines.

DRFT 1102. Geometric Construction
Lecture 1, Lab 1, Credit 2

This course covers geometric construction. The objectives are for students to: draw parallel and perpendicular lines; construct bisectors and divide lines and spaces into equal parts; draw polygons, tangencies and ellipses; solve engineering problems by making a formal drawing with geometric constructions from an engineer’s sketch or layout. It deals with multi-view drawings and the preparation of single and multi-view drawings; selecting the appropriate views for presentations; drawing view enlargements, establishing run-outs, explaining the difference between first and third angle projection, preparing formal multi-view drawings from an engineer’s sketch and actual industrial layouts.

DRFT 1103. Pictorial/Working Drawing
Lecture 1, Lab 1, Credit 2

This course covers pictorial and working drawings. The objectives are to have the students learn to draw complete sets of working drawings (including details, assembly drawings and parts lists); prepare written specifications of purchase parts for the parts lists; properly group information on the assembly drawing with identification numbering systems; explain the engineering change process and prepare engineering changes; draw three-dimensional objects using isometric, diametric or trinometric methods; construct objects using oblique drawing methods; draw objects using one, two or three point perspective; apply a variety of shading techniques to pictorial drawings.

DRFT 1104. Machine Drawing
Lecture 1, Lab 1, Credit 2

This course deals with machine drawings, manufacturing materials and processes, dimensioning and tolerance. The objectives are for students to be able to define and describe various manufacturing materials; material terminology; apply proper specific notes for manufacturing features; place proper general notes and delta notes on a drawing; interpret and use correct tolerancing techniques; prepare completely dimensioned multi-view drawings. Students learn the fundamentals of orthographic projection and the application of dimensioning practices in the preparation of formal multi-view drawings.

DRFT 1201. Section Drawing
Lecture 1, Lab 1, Credit 2

This course deals with the identification and drawing of section conventions and different types of sectional views. The objectives are for students to: be able to draw proper cutting-plane line representations; draw sectional views, including full, half, aligned, broken-out, auxiliary, revolved, and removed sections; identify features that should remain un-sectioned in a sectional view; prepare drawings with conventional revolutions and conventional breaks; modify the standard sectioning techniques as applied to specific situations; make sectional drawings; create a cam displacement diagram. Prerequisites: DRFT 1101, DRFT 1102, DRFT 1103 and DRFT 1104.

DRFT 1205 Measurements & Materials
Lecture 1, Lab 1, Credit 2

This course will introduce students to materials used in construction, and give them first-hand experience in measuring real world items and taking field notes. The objectives are: for students to learn about materials that are used in various types of construction; learn the difference between nominal sizes and actual sizes of these materials; to introduce students to the various fasteners used in construction; to learn terminology used in construction; to learn to measure and sketch field notes of items they will encounter in the working world.

DRFT 2301. Architecture I
Lecture 1, Lab 2, Credit 3

This course is an introductory course in the development of architectural drafting ability and the basic design necessary in planning procedures to make the overall development of a set of drawings clear. The material is limited to the residential and light commercial construction. Prerequisites: DRFT 1101, DRFT 1102, DRFT 1103, and DRFT 1104.

DRFT 2302. Electrical/Electronics
Lecture 1, Lab 2, Credit 3

This course covers AC-DC theory, electrical and electronic symbols, drawings, wiring diagrams, assembly drawings, block diagrams, electronic schematic diagrams, logic diagrams, industrial electronic diagrams, electrical power diagrams, printed circuit boards layouts, motor control diagrams, electrical one line diagrams, and electrical drawings for architectural plans. Prerequisites: CADD 1201 and all DRFT 1200 level courses.

DRFT 2303. Machines/Manufacturing
Lecture 1, Lab 2, Credit 3

This course deals with the application of theory of machine drafting. Emphasis is on the preparation of detail drawings, section views, notation, tolerance, dimensioning and layout. It is designed to give the student the necessary practice and knowledge to accomplish the design of machine components and to make the necessary drawings to be used in the manufacturing process as well as assembly. Tolerance and classes of fits, threads, fasteners, springs as well as gears and cams are included. Prerequisites: CADD 1201 and all DRFT 1200 level courses.

DRFT 2304. Piping
Lecture 1, Lab 2, Credit 3

This course deals with the theory and principles of pipe drafting, scale layouts, diagrammatic and isometric pipe drawings. Problems in routing pipe design usually handled by the drafter are included in the instruction. It includes acquainting the student with the process pipe drafting used in the area refineries. Prerequisites: CADD 1201 and all DRFT 1200 level courses.

DRFT 2305. Structural/Strength of Materials
Lecture 1, Lab 2, Credit 3

This course is designed to teach the principles and required information to layout and execute the necessary structural steel details and
This course is designed to teach an overview of design rationale and methodology with practical applications using contemporary design methods in the shipbuilding and marine industries. The placement of reinforcing steel in concrete is also covered, in addition to the use of the AISI Steel Construction Manual, American Concrete Institute standards, and the American Institute of Steel Construction. It covers the topics of stress and strain, direct and shear stresses, torsion, bending, bolted and welded connections, basic design of timber and steel beams and timber and steel columns, beam deflections, and statistically indeterminate beams. Prerequisites: CADD 1201 and all DRFT 1200 level courses.

**Civil/Surveying**

This course covers mapping including the types of maps, conventional symbols, profiles, cross-sections, planning maps, plotting traverses, drawing contours and city and village maps from engineer's notes. It also deals with construction, care and use of surveying instruments, and the theory and practice of chaining, differential and profile leveling, traversing, computation of areas of earthwork, theory and practice of stadia and its application to topographic surveying. U.S. Government systems of Public Lands Surveys, linear and grades, and reduction and plotting field notes. Prerequisites: CADD 1201 and all DRFT 1200 level courses.

**Residential Wiring Installation**

This course includes code requirements for residential installations, installing and troubleshooting of single pole, 3/4, 4/4, and receptacle circuits, breaker panels and also building a residential service. Prerequisite: ELEC 1220.

**National Electric Code**

An interpretation and study of the NEC including calculations of: voltage-drops, box and conduit fill capacities, service conductor sizing, and transformer and motor installation protection. Also a study of grounding and bonding, class and division identification, and special occupancies.

**Advanced Motor Controls**

This course includes advanced motor control applications. Topics include: installation, preventive maintenance, troubleshooting and repair of single phase and three phase motors, reversing motor circuits, reduced voltage starting, accelerating and decelerating methods, variable speed drives including DC motor drives and applications, AC variable frequency drives, programming and troubleshooting of VFD's (formerly ELEC 2630) Pre-requisite: ELEC 1220 or ELEC 1422 and INST 2722 or INST 2721.

**Technical Mathematics**

This course includes basic concepts of scientific notation and the metric system. It includes basic trigonometry. The course in- cludes: installation, preventive maintenance, troubleshooting and repair of single phase and three phase motors, reversing motor circuits, reduced voltage starting, accelerating and decelerating methods, variable speed drives including DC motor drives and applications, AC variable frequency drives, programming and troubleshooting of VFD’s (formerly ELEC 2630) Pre-requisite: ELEC 2460. This course is designed to teach an overview of design rationale and methodology with practical applications using contemporary design methods in the shipbuilding and marine industry. Prerequisites: CADD 1201 and all DRFT 2300 level courses.

**DRFT 2404. Specialization**

This course is designed as an advanced enhancement course. The student prepares a job presentation portfolio for one of the four specialty areas: Architecture, Civil, Machine, or Piping drafting. Prerequisites: CADD 1201 and all DRFT 1200 level courses, plus the area of specialization: DRFT 2301/DRFT 2401, DRFT 2304 or DRFT 2402 or DRFT 2303.

**Microeconomics**

A study of individual behavior and market process. It includes supply and demand, resource allocation, cost, prices and profit, the production process, market structure, and government intervention. Prerequisite: Eligible for MATH 1100 and ENGL 1010.

**ELEC 1312. Generator and Transformer Operations**

This course includes the fundamentals and principles of single phase and three phase motors and generators and transformer theory, application, and characteristics. Prerequisite: INST 1111 or ETRN 1112.

**ELEC 1340. Generator and Transformer Operations**

This course includes the fundamentals and principles of single phase and three phase motors and generators and transformer theory, application, and characteristics. Prerequisite: ETRN 1112.
ENGL 1010. English Composition I  
Lecture 3, Lab 0, Credit 3  
An introduction to essay writing with an emphasis on the recursive writing process. Prerequisite: English score of at least 18 on the Writing portion and a 19 on the Reading portion of the ACT, an equivalent score on the COMPASS test, “C” or better in TSEN 0093 and/or TSRE 0091. [LCCN: CENL 1013]

ENGL 1020. English Composition II  
Lecture 3, Lab 0, Credit 3  
A course in the writing of creative and motivating copy for layouts using the following media: newspaper, radio, billboards, television, magazines and direct mailing. Prerequisite: Require a “C” or better in ENGL 1010 to enroll. [LCCN: CENL 1023]

ENGL 1500. Creative Copy Writing  
Lecture 3, Lab 0, Credit 3  
A survey of world writers from the beginning to the Civil War; includes literary analysis and writing about literature. Prerequisite: Require a “C” or better in ENGL 1020 to enroll. [LCCN: CENL 2123]

ENGL 2110. American Literature I  
Lecture 3, Lab 0, Credit 3  
A survey of American writers from the beginning to the present; includes literary analysis and writing about literature. Term paper required. Prerequisite: Require a “C” or better in ENGL 1020 to enroll. [LCCN: CENL 2153]

ENGL 2120. American Literature II  
Lecture 3, Lab 0, Credit 3  
A survey of American writers from the Civil War to the present; includes literary analysis and writing about literature. Term paper required. Prerequisite: Require a “C” or better in ENGL 1020 to enroll. [LCCN: CENL 2163]

ENGL 2130. Major American Writers  
Lecture 3, Lab 0, Credit 3  
A survey of significant American writers. Includes literary analysis and writing about literature. Prerequisite: Require a “C” or better in ENGL 1020 to enroll. [LCCN: CENL 2173]

ENGL 2310. World Literature I  
Lecture 3, Lab 0, Credit 3  
A survey of world writers from the beginning to the 1600s; includes literary analysis and writing about literature. Term paper required. Prerequisite: Require a “C” or better in ENGL 1020 to enroll. [LCCN: CENL 2203]

ENGL 2320. World Literature II  
Lecture 3, Lab 0, Credit 3  
A survey of world writers from the 1600s to the present; includes literary analysis and writing about literature. Term paper required. Prerequisite: Require a “C” or better in ENGL 1020 to enroll. [LCCN: CENL 2213]

ENGL 2330. Major World Writers  
Lecture 3, Lab 0, Credit 3  
A survey of world writers from circa 1700 through the present day; includes literary analysis and writing about literature. Prerequisite: Require a “C” or better in ENGL 1020. [LCCN: CENL 2223]

ENGL 2410. Introduction to Fiction  
Lecture 3, Lab 0, Credit 3  
Introduction to fiction; includes critical analysis and writing about literature. Prerequisite: Require a “C” or better in ENGL 1020 to enroll. [LCCN: CENL 2303]

ENGL 2420. Introduction to Literature  
Lecture 3, Lab 0, Credit 3  
Introduction to various literary genres; includes critical analysis and writing about literature. Prerequisite: Require a “C” or better in ENGL 1020 to enroll. [LCCN: CENL 2323]

ENGL 2430. Introduction to Poetry and/or Drama  
Lecture 3, Lab 0, Credit 3  
Introduction to poetry and/or drama; includes critical analysis and writing about poetry/drama. Prerequisite: Require a “C” or better in ENGL 1020 to enroll. [LCCN: CENL 2333]

ENGL 2510. Introduction to African American Literature  
Lecture 3, Lab 0, Credit 3  
Introduction to African American literature; includes critical analysis and writing about literature. Prerequisite: Require a “C” or better in ENGL 1020 to enroll. [LCCN: CENL 2313]

ENGL 2520. Introduction to Women’s Literature  
Lecture 3, Lab 0, Credit 3  
Introduction to literature by or about women; includes critical analysis and writing about literature. Prerequisite: Require a “C” or better in ENGL 1020 to enroll. [LCCN: CENL 2413]
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GAEC 1100. Introduction to Electrician Apprenticeship
Lecture 3, Lab 0, Credit 3
This course is designed to cover introductory related information for the Electrician apprentice plan of study. The areas covered include career opportunities in the electrician industry and responsibilities and attitudes required for a successful career in the electrician industry, introductory basics to conduit fabrication, introductory to wiring devices, and an introductory to the National Electrical Code.

GAEC 1110. Job Safety & Health
Lecture 2, Lab 0, Credit 2
This course is designed to cover job safety and health issues related to the Electrician apprentice plan of study. The course covers job safety and health hazards, OSHA laws and employee and employer rights and responsibilities in accident prevention. Prerequisite: GAEC 1100.

GAEC 1120. Apprentice Trade Related Mathematics
Lecture 2, Lab 0, Credit 2
This course is designed to cover mathematically principles and concepts related to electrical trades. The course covers basic mathematical concepts of whole numbers and fraction usage, simultaneous equations, vectors, geometry, and trigonometry. Prerequisite: GAEC 1110.

GAEC 1130. Apprentice Trade Technology Part I
Lecture 3, Lab 0, Credit 3
This course is designed to cover first year electrical trade technology concepts. Concepts covered include all aspects of basic direct current theory and blueprint reading for electricians. Prerequisite: GAEC 1120

GAEC 1200. Apprentice Trade Related Science
Lecture 2, Lab 0, Credit 2
This course is designed to cover general knowledge and use of test instruments and the National Electrical Code book. Prerequisite: GAEC 1130

GAEC 1210. Apprentice Trade Technology Part II
Lecture 3, Lab 0, Credit 3
This course is designed to cover second year part one electrical trade technology concepts. Concepts covered include all aspects of basic alternating current (AC) theory, a continuation of blueprint reading and conduit fabrication. Prerequisite: GAEC 1200

GAEC 1220. Customer Service in the Trade Area
Lecture 2, Lab 0, Credit 2
This course is designed to cover local union by-laws, the IBEW constitution, sexual harassment, avoiding the hazards of drug abuse, and additional safety concerns. Prerequisite: GAEC 1210.

GAEC 1230. Apprentice Trade Technology Part III
Lecture 3, Lab 0, Credit 3
This course is designed to cover second year part two electrical trade technology concepts. Concepts covered include additional aspects of basic alternating current (AC) theory, the basics of transformers, additional code calculations, and additional code practices. Prerequisite: GAEC 1220.

GAEC 1300. Apprentice Trade Technology Part IV
Lecture 5, Lab 0, Credit 5
This course is designed to cover third year part one electrical trade technology concepts. Concepts covered include direct current (DC) theory, semiconductors, installer/technician understanding the RF system, and installer/technician CCTV. Prerequisite: GAEC 1230

GAEC 2100. Apprentice Trade Technology Part V
Lecture 5, Lab 0, Credit 5
This course is designed to cover third year part two electrical trade technology concepts. Concepts covered include advanced residential technology, installer/technician sound reinforcement systems, installer/technician job information, and installer/technician nurse call systems. Prerequisite: GAEC 1300.

GAEC 2200. Apprentice Trade Technology Part VI
Lecture 5, Lab 0, Credit 5
This course is designed to cover fourth year part one electrical trade technology concepts. Concepts covered include lightning protection, motors, motor controls, test instruments application, and lighting essentials. Prerequisite: GAEC 2100.

GAEC 2210. Apprentice Trade Technology Part VII
Lecture 5, Lab 0, Credit 5
This course is designed to cover fourth year part two electrical trade technology concepts. Concepts covered include additional motor controls, digital electronics, programmable logic controllers, building automation: Control devices and applications, hazardous locations, and additional code and practices. Prerequisite: GAEC 2200.

GAEC 2300. Apprentice Trade Technology Part VIII
Lecture 5, Lab 0, Credit 5
This course is designed to cover fifth year part one electrical trade technology concepts. Concepts covered include fire alarm systems, instrumentation and security systems. Prerequisite: GAEC 2210.

GAEC 2310. Apprentice Trade Technology Part IX
Lecture 5, Lab 0, Credit 5
This course is designed to cover fifth year part two electrical trade technology concepts. Concepts covered include power quality/distributed generation, photovoltaic systems, building automation: system integration with open protocols, health care, and codes and practices parts 4 and 5. Prerequisite: GAEC 2300.

GAPC 1100. Introduction to Plumbing Apprenticeship
Lecture 3, Lab 0, Credit 3
This course is designed to cover introductory related information for the plumber apprentice plan of study. The areas covered include career opportunities in the pipe trades industry and responsibilities and attitudes required for a successful career in the pipe trades industry.

GAPC 1110. Job Safety & Health
Lecture 2, Lab 0, Credit 2
This course is designed to cover job safety and health issues related to the Plumber apprentice plan of study related to the Plumber, Plumber, or HVAC apprentice plan of study. The course covers job safety and health hazards, OSHA laws, and employee and employer rights and responsibilities in accident prevention. Prerequisite: GAPC 1100.

GAPC 1120. Apprentice Trade Related Mathematics
Lecture 2, Lab 0, Credit 2
This course is designed to cover mathematically principles and concepts related to pipe trades. The course covers basic mathematical concepts formulas used in the pipe trades industry, pipe measurements, and metric measurements. Prerequisite: GAPC 1110.

GAPC 1130. Apprentice Trade Technology Part I
Lecture 3, Lab 0, Credit 3
This course is designed to cover first year environment requirements of the pipefitter, plumber, and HVAC system integration. Prerequisite: GAPC 1130.

GAPC 1140. Apprentice Trade Technology Part II
Lecture 3, Lab 0, Credit 3
This course is designed to cover second year environment requirements of the pipefitter, plumber, and HVAC system integration. Prerequisite: GAPC 1140.

GAPC 1200. Apprentice Trade Related Science
Lecture 2, Lab 0, Credit 2
This course is designed to cover general knowledge and use of test instruments and the National Electrical Code book. Prerequisite: GAPC 1130.

GAPC 1210. Apprentice Trade Technology Part III
Lecture 3, Lab 0, Credit 3
This course is designed to cover second year part one electrical trade technology concepts. Concepts covered include all aspects of basic alternating current (AC) theory, a continuation of blueprint reading and conduit fabrication. Prerequisite: GAPC 1200.

GAPC 1220. Customer Service in the Trade Area
Lecture 2, Lab 0, Credit 2
This course is designed to cover local union by-laws, the IBEW constitution, sexual harassment, avoiding the hazards of drug abuse, and additional safety concerns. Prerequisite: GAPC 1210.

GAPC 1230. Apprentice Trade Technology Part IV
Lecture 3, Lab 0, Credit 3
This course is designed to cover second year part two electrical trade technology concepts. Concepts covered include additional aspects of basic alternating current (AC) theory, the basics of transformers, additional code calculations, and additional code practices. Prerequisite: GAPC 1220.

GAPC 2100. Apprentice Trade Technology Part V
Lecture 5, Lab 0, Credit 5
This course is designed to cover third year part one electrical trade technology concepts. Concepts covered include advanced residential technology, installer/technician sound reinforcement systems, installer/technician job information, and installer/technician nurse call systems. Prerequisite: GAPC 1300.

GAPC 2200. Apprentice Trade Technology Part VI
Lecture 5, Lab 0, Credit 5
This course is designed to cover fourth year part one electrical trade technology concepts. Concepts covered include lightning protection, motors, motor controls, test instruments application, and lighting essentials. Prerequisite: GAPC 2100.

GAPC 2210. Apprentice Trade Technology Part VII
Lecture 5, Lab 0, Credit 5
This course is designed to cover fourth year part two electrical trade technology concepts. Concepts covered include additional motor controls, digital electronics, programmable logic controllers, building automation: Control devices and applications, hazardous locations, and additional code and practices. Prerequisite: GAPC 2200.

GAPC 2300. Apprentice Trade Technology Part VIII
Lecture 5, Lab 0, Credit 5
This course is designed to cover fifth year part one electrical trade technology concepts. Concepts covered include fire alarm systems, instrumentation and security systems. Prerequisite: GAPC 2210.

GAPC 2310. Apprentice Trade Technology Part IX
Lecture 5, Lab 0, Credit 5
This course is designed to cover fifth year part two electrical trade technology concepts. Concepts covered include power quality/distributed generation, photovoltaic systems, building automation: system integration with open protocols, health care, and codes and practices parts 4 and 5. Prerequisite: GAPC 2300.

GAPC 2320. Apprentice Trade Technology Part X
Lecture 5, Lab 0, Credit 5
This course is designed to cover fifth year part three electrical trade technology concepts. Concepts covered include advanced residential technology, installer/technician sound reinforcement systems, installer/technician job information, and installer/technician nurse call systems. Prerequisite: GAPC 2310.

GAPC 2330. Apprentice Trade Technology Part XI
Lecture 5, Lab 0, Credit 5
This course is designed to cover fifth year part four electrical trade technology concepts. Concepts covered include advanced residential technology, installer/technician sound reinforcement systems, installer/technician job information, and installer/technician nurse call systems. Prerequisite: GAPC 2320.
This course is designed to cover basic science principles and concepts related to pipe trades. Prerequisite: GAPC 1130.
GAPC 1210. Apprentice Trade Technology Part III
Lecture 3, Lab 0, Credit 3
This course is designed to cover the soldering and brazing methods used in the preparation and joining of the cup type copper tube joint. Prerequisite: GAPC 1200.
GAPC 1220. Customer Service in the Trade Area
Lecture 2, Lab 0, Credit 2
This course is designed to cover the basic principles of service work including human relations, salesmanship and how to plan service work. Prerequisite: GAPC 1210.
GAPC 1230. Apprentice Trade Technology Part IV
Lecture 3, Lab 0, Credit 3
This course is designed to cover second year part two pipe trades technology concepts. Concepts covered include pipe, fittings, valves, supports and fasteners. Prerequisite: GAPC 1220.
GAPC 1300. Apprentice Trade Technology Part V
Lecture 5, Lab 0, Credit 5
This course is designed to cover third year part one pipe trades-plumber technology concepts. Concepts covered include oxy-fuel cutting and welding, as well as plumbing fixtures and appliances. Prerequisite: GAPC 2200.
GAPC 2210. Apprentice Trade Technology Part VIII
Lecture 5, Lab 0, Credit 5
This course is designed to cover fourth year part two pipe trades-plumber technology concepts. Concepts covered include a continuation of oxy-fuel cutting and welding and shielded metal-arc welding, as well as drainage systems. Prerequisite: GAPC 2300.
GAPC 2230. Apprentice Trade Technology Part X
Lecture 5, Lab 0, Credit 5
This course is designed to cover fifth year part one pipe trades-Plumber technology concepts. Concepts covered include a continuation of oxy-fuel cutting and welding and shielded metal-arc welding, as well as plumbing code interpretation. Prerequisite: GAPC 2210.
GAPC 2310. Apprentice Trade Technology Part X
Lecture 5, Lab 0, Credit 5
This course is designed to cover fifth year part two pipe trades-plumber technology concepts. Concepts covered include preparation for cross connection prevention certification and medical gas certification. Prerequisite: GAPC 2300.
GART 1010. Orientation to Graphic Communication
Lecture 1, Lab 1, Credit 2
This course provides the student with the basic principles, terminology, guidelines, methods and systems necessary to solve graphic design problems. Students will be introduced to various careers in the graphic design industry and learn classroom policy, procedure and safety.
GART 1020. Graphic Illustration
Lecture 1, Lab 2, Credit 3
In this course the students will experience drawing with various media. Students learn how to prepare materials and still life arrangements, working with foundation lines and incorporating more complex lighting, shading, depth, value and color techniques.
GART 1030. Photography I
Lecture 1, Lab 2, Credit 3
Students will create photographic images and become familiar with the various aspects of photography, including subject matter, concept development, contrast, composition, meaning, cropping, lighting, emotional impact and message. An SLR 35mm camera or digital equivalent is required.
GART 1040. Vector Graphics
Lecture 1, Lab 2, Credit 3
In this course students will learn to create vector art for illustrations, logos, and other graphics for print or the Web. Students will learn to work efficiently in the Adobe Illustrator environment with various modes, panels, and settings.
GART 1210. Desktop Publishing
Lecture 1, Lab 2, Credit 2
In this course students will learn to structure and layout print projects such as menus, brochures, reports, and magazines. The course covers a range of technical essentials including master pages, importing and manipulating objects, controlling text flow and style, and adding effects such as transparency, drop shadow, and feathering.
GART 1220. Advertising Theory
Lecture 1, Lab 2, Credit 3
In this course the student will learn to put together a marketing plan and execute via traditional and non-traditional media. Students will be responsible for demographic research of various products and services. Prerequisite: GART 1040.
GART 1230. Design I
Lecture 1, Lab 2, Credit 3
In this course the student will learn the fundamentals of being a designer. The course will cover color theory, design, typography, and the elements and principles of design. Upon completion the student will have a good understanding of executing professional graphic designs. Prerequisite: GART 1040
GART 1240. Raster Graphics I
Lecture 1, Lab 2, Credit 3
This course gives students experience in silhouetting, exposure correction, retouching, layering, typography, and image composites in Adobe Photoshop. The student will learn how to make high-quality selections and edits, using an efficient imaging workflow.
GART 2110. Videography I
Lecture 1, Lab 2, Credit 3
This course introduces the student to the terminology, principles and practices of videography. The student will learn to differentiate between good and bad video, learn basic production techniques, non-linear editing, creative lighting methods and field camera operation.
GART 2120. Animation
Lecture 1, Lab 2, Credit 3
In this course students will use After Effects to create motion graphics, key out color using green/blue screen techniques, motion tracking, and composition video and animation. There will be a focus on key framing, masking and using alpha channels. Projects include animated logos, titles, and rendering for broadcast. Prerequisites: GART 1040; GART 1240.
GART 2130. Design II
Lecture 1, Lab 2, Credit 3
In this course the student will focus more on real-world design as a base study to their course work. By using industry standard programs the student will study designs and understand the mechanics and theory by which it was created. Prerequisites: GART 1040, GART 1230, GART 1240.

GART 2140. Raster Graphics II
Lecture 1, Lab 2, Credit 3
In this course the student will continue their studies into Adobe Photoshop. Advanced skills would include creating compositions for advertising and the arts. Some projects would include website interfaces, billboards, flyers, brochures, just to name a few. Prerequisite: GART 1240.

GART 2210. Web Site Design
Lecture 1, Lab 2, Credit 3
Students will learn to develop a web site using industry standard software. Students will create the web site by creating a story board, using advanced presentation techniques and combining layout and design skills. Prerequisites: GART 1040, GART 1240.

GART 2230. Photography II
Lecture 1, Lab 2, Credit 3
Students are introduced to digital photography and explore software programs that address and refine to meet top industry standards. Students will present their portfolio to a panel of instructors and industry representatives. Prerequisite: GART 1210, GART 2110, and GART 2130.

GEOG 2010. Physical Geography
Lecture 3, Lab 0, Credit 3
This course is a study of the physical geography of the world from 1500 to the present. Prerequisite: GART 1210, GART 2110, and GART 2130.

GEOG 2110. Human Geography
Lecture 3, Lab 0, Credit 3
Concepts, themes, and techniques of cultural geography; includes politics, language, religion, urbanization, agriculture, environmentalism, and social problems. Prerequisite: For GART 1010. [LCCN: CCRG 2213]

GEOG 2120. History of Louisiana
Lecture 3, Lab 0, Credit 3
This course is a study of the physical geography and the natural resources of Louisiana as well as the people in terms of their cultural background, settlement patterns, and regional economics. Prerequisite: For GART 1010.

HIST 1010 Western Civilization I
Lecture 3, Lab 0, Credit 3
This course is a survey of western civilization from the Reformation era to the present. Prerequisite: GART 1210, GART 2110, and GART 2130.

HIST 1020 Western Civilization II
Lecture 3, Lab 0, Credit 3
This course is a survey of western civilization from ancient times to the Reformation era. Prerequisite: GART 1210, GART 2110, and GART 2130.

HIST 1120. World Civilization II
Lecture 3, Lab 0, Credit 3
This course is a survey of major civilizations of the world from 1500 to the present. Prerequisite: GART 1210, GART 2110, and GART 2130.

INST 1010. Introduction to Instrumentation
Lecture 4, Lab 1, Credit 5
An introductory course providing an occupational analysis of job descriptions, working conditions, employment opportunities, certification requirements, and safety considerations in the classroom and for those employed in the field of industrial instrumentation. Also included are measurement devices, control devices, control loops, lockout tag-out, as well as P&ID symbology and loop sheets.

INST 1111. Fundamentals of Electricity/Electronics
Lecture 4, Lab 1, Credit 5
An introduction to the concept of DC/AC electronics on Ohm’s Law, series, series-parallel, and parallel circuits. To include the concepts of inductive and capacitive reactance, time constants, impedance, meters, magnetic relay, and solenoid principles.

INST 1112. Fundamentals of Semiconductors/Circuits
Lecture 4, Lab 1, Credit 5
An introduction to solid-state components and electronic circuits. The individual will gain knowledge on diodes, transistors, thermistors, and optical devices. To include power supplies, amplifier circuits, amplifier coupling and phase splitters. Prerequisite: INST 1111 or ETRN 1112.

INST 1310. Pressure and Level Measurement
Lecture 3, Lab 1, Credit 4
An introduction to the concepts of pressure and level measurement, calculations and sensing devices. The student will calibrate, troubleshoot and repair/replace pressure and level indicators, recorders, transmitters, and transducers. Prerequisite: INST 1010 or INST 1110.
INST 1410. Flow and Final Control Elements
Lecture 3, Lab 1, Credit 4
This course includes instruction in performing flow measurement calculations and conversions, procedures for using flow sensing devices, calibrating, troubleshooting, and repair/replacing flow indicators, recorders, transmitters, transducers, and relays. Also included are the principles of final element operation and relates actuators, positioners and control valves to their function as the last system element in a process control loop. Prerequisite: INST 1010 or INST 1110.

INST 2420. Industrial Control Systems
Lecture 3, Lab 1, Credit 4
Course instruction includes the principles of operation, maintenance, troubleshooting, and repair of pneumatic, electronic, and digital controllers along with instruments that are found in a typical control loop. Also, process measurement and control using computers and microprocessor based control systems will be covered. Students will be introduced to various distributed control systems including the use of field bus and tuning methods in control systems. Prerequisite: INST 1010 or INST 1110.

INST 2722. Introduction to Programmable Logic Controllers
Lecture 3, Lab 1, Credit 3
An introduction to Microprocessors, PLC types, theory, applications, operations, documentation and number systems as they relate to PLC operation. The student will also be introduced to PLC programming. Corequisites: ELEC 1220 or ELEC 1422.

ITEC 1000. Application Basics
Lecture 3, Lab 0, Credit 3
A hands-on approach that provides an introduction to basic information technology skills and microcomputer applications such as file management, electronic communications, word processing, spreadsheets, and presentation concepts.

ITEC 1001. Keyboarding
Lecture 3, Lab 0, Credit 3
Introduction to basic keyboarding terminology and practice. Emphasis is placed on speed, accuracy, and correct technique.

ITEC 1005. IT Fundamentals
Lecture 3, Lab 0, Credit 3
Introduction to computer hardware, operating systems, Internet concepts, microcomputer applications, and security and ethical issues.

ITEC 1010. Web Site Development
Lecture 3, Lab 0, Credit 3
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. This course may be used as a substitute for ITEC 1300.

ITEC 1015. E-Commerce Design
Lecture 3, Lab 0, Credit 3
This course teaches the student to build web pages that conform to business functions using various web languages such as HTML, DHTML, XML, Perl, VB Script, Java Script, and Active Server pages. The concepts of good practice and the Web will be taught as the fundamentals of developing web sites for e-commerce. Topics of the course include design of web hosting, data processing on the web, web marketing, e-commerce components, payment processing, security, and customer service. Prerequisites: ITEC 1010.

ITEC 1016. Problem Solving and Decision Making
Lecture 3, Lab 0, Credit 3
Students will learn essential problem-solving and decision-making skills. No prior computer experience is assumed. Students will become familiar with how to identify, define, and solve problems using different decision support tools. Group decision making and critical thinking will be emphasized.

ITEC 1020. Advanced Web Site Development
Lecture 3, Lab 0, Credit 3
A study in the prevailing language in internet programming. Advanced topics will include web development, including database programming, communications, and on-line form activity. Prerequisites: ITEC 1010.

ITEC 1100. IT Essentials and job-skills exams. Corequisite: ITEC 1101.
ITEC 1101. IT Essentials: Lab for PC Hardware and Software
Lecture 0, Lab 1, Credit 1
A hands-on study of operating systems which prepares students for the 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.

ITEC 1210. Introduction to Programming
Lecture 3, Lab 0, Credit 3
Basic logic, variables, constants, TOE charts, Input/output, Sequence Structure, Selection Structure, and Repetition Structure.

ITEC 1300. Internet Applications
Lecture 3, Lab 0, Credit 3
A hands-on study of Internet concepts. The course includes a wide range of Internet basics such as HTML, networking concepts, TCP/IP protocols, IP addressing, and sub netting.

ITEC 1320. Introduction to Database Management
Lecture 3, Lab 0, Credit 3
A comprehensive study and hands-on approach to database management using tables, queries, forms, and reports to facilitate the development, manipulation, and reporting of data in an information system.

ITEC 1500. Network Pro
Lecture 3, Lab 0, Credit 3
In this course the student will learn how to...
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ITEC 1581. Introduction to Oracle
Lecture 3, Lab 0, Credit 3
A study of a client/server database and Oracle database architecture. Includes a hands-on study of creating and modifying database tables, performing queries, and creating forms, reports, and graphics.

ITEC 1610. Introduction to Game Programming
Lecture 3, Lab 0, Credit 3
Introduction to Game Programming is the first part of a first-year crash course covering the basics of game programming. Students will learn to program 2D and 3D games using Visual Basic and Windows API (Application Programming Interface). This is a hands-on course that students will gain experience writing several complete games in 2D and 3D. Prerequisites: ITEC 1210.

ITEC 1620. Advanced Game Programming
Lecture 3, Lab 0, Credit 3
Advanced Game Programming is a continuation of the study of game programming. It includes concepts such as Direct API used for drawing, input, sound and music. Prerequisites: ITEC 1610.

ITEC 1800. Unix/Linux OS
Lecture 3, Lab 0, Credit 3
A study of the Unix and Linux operating systems, including topics of Installations, configurations, troubleshooting, optimizing, and administration. Focus on adding users and group and access rights along with user permissions and login authorizations, and hardware replacements and driver installations.

ITEC 1820. Linux+
Lecture 3, Lab 1, Credit 4
A study of the Linux operating system including topics of installation, configuration, troubleshooting and administration. This course prepares the student to pass the two exams required for both the Linux+ and the LPIC-1 certifications (passing both exams gets both certifications).

ITEC 2010. MCSE 2-Windows Server
Lecture 3, Lab 1, Credit 4
This course is designed to provide students with the background necessary to plan, install, configure, manage, and troubleshoot a Windows Server as a member server in an Active directory environment.

ITEC 2020. MCSE 3-Windows Network
Lecture 3, Lab 1, Credit 4
This course is designed to provide students with the background necessary to install, manage, monitor, configure, and troubleshoot DNS, DHCP, Remote Access, Network Protocols, IP Routing, and WINS in a Windows network infrastructure. Prerequisites: ITEC 1100.

ITEC 2030. MCSE 4-Windows Directory Services Administration
Lecture 3, Lab 1, Credit 4
This course is designed to provide students with the background necessary to install, configure, and troubleshoot the Windows Active Directory components, DNS for Active Directory, and Active Directory security solutions. Prerequisites: ITEC 2020.

ITEC 2040. MCSE Core/E elective
Lecture 3, Lab 1, Credit 4
This course is designed to provide students with the background necessary to analyze the business requirements and design a directory service architecture, including: Unified directory services such as Active Directory and Windows NT domains; connectivity between and within systems, system components, and applications; data replication such as directory replication and database replication. Prerequisites: ITEC 2030.

ITEC 2090. Installing, Configuring, & Admin.
Lecture 3, Lab 1, Credit 4
This course teaches students, through lectures, discussions, demonstrations, and labs, how to configure, manage, and troubleshoot a Windows Server as a member server in an Active directory environment.

ITEC 2110. Networking for Home & Small Business
Lecture 3, Lab 1, Credit 4
This course prepares students to be able to install and configure, manage, and troubleshoot a home network. Students will learn to configure, manage, and troubleshoot a home network. Prerequisites: ITEC 1210.

ITEC 2120. Working at a Small-to-Medium Business
Lecture 3, Lab 1, Credit 4
This course teaches students, through lectures, demonstrations, and labs, how to configure, manage, and troubleshoot a small-to-medium business network. Students will learn to configure, manage, and troubleshoot a small-to-medium business network. Prerequisites: ITEC 1210.
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and provide common Web services. Implement basic WAN connectivity using Telco services. Demonstrate proper disaster-recovery procedures and perform server backups. This course is designed around the Cisco Networking Academy Discovery Program Semester 2 curriculum. Prerequisite: ITEC 2110.

ITEC 2125. Health Information Networking
Lecture 3, Lab 0, Credit 3

This course is designed to introduce students to IT fundamentals for medical groups and include basic information on healthcare environments, fundamentals of electronic health record systems, and designing, securing, and troubleshooting a network to support healthcare organizations. Prerequisite: ITEC 2120 or equivalent industry experience.

ITEC 2130. Introducing Routing and Switching in the Enterprise
Lecture 3, Lab 1, Credit 4

After completion students will be able to implement a LAN for an approved network design. Configure a switch with VLANs and inter-switch communication. Implement access lists to permit or deny specific traffic. Implement WAN links. Configure routing protocols on Cisco Devices. Perform LAN, WAN and VLAN troubleshooting using a structured methodology and the OSI model. This course is designed around the Cisco Networking Academy Discovery Program Semester 3 curriculum. Prerequisite: ITEC 2120.

ITEC 2140. Designing and Supporting Computer Networks
Lecture 3, Lab 1, Credit 4

After completion students will be able to gather customer requirements. Design a simple Internetwork using Cisco technology. Design an IP addressing scheme to meet LAN requirements. Create an equipment list to meet LAN design requirements. Install and configure a prototype Internetwork. Obtain and upgrade Cisco IOS software in Cisco devices. This course is designed around the Cisco Networking Academy Discovery Program Sem. 4 curriculum. Prerequisite: ITEC 2130.

ITEC 2230. Introduction to SQL
Lecture 3, Lab 0, Credit 3

An extensive programming course using SQL in many different environments including Access, Oracle, Informix, and DBV. The use of data modeling and SQL commands will be observed as the standard of programming in SQL. Server applications and Server SQL programming will be observed during the course. Software includes MS SQL Server, Oracle, Informix and DBV. Prerequisite: ITEC 1000.

ITEC 2270. Advanced Spreadsheet Development
Lecture 3, Lab 0, Credit 3

This is a comprehensive course focusing on the most currently used spreadsheet package used in business and industry. It is a concentrated course on basic spreadsheet creation, formulas, charts, macros, database function, and programming using Visual Basic for Applications (VBA). Prerequisite: ITEC 1000.

ITEC 2450. Advanced Visual Basic
Lecture 3, Lab 0, Credit 3

A study of custom controls, toolbars, file handling, database referencing and other advanced features of the Visual Basic programming language. Prerequisite: ITEC 1550.

ITEC 2570. Advanced JAVA
Lecture 3, Lab 0, Credit 3

A study of logic structure, arrays, database handling, file connectivity, and various advanced features. Prerequisite: ITEC 1571.

ITEC 2650. Advanced Database Development
Lecture 3, Lab 0, Credit 3

A further study of database applications including advanced concepts such as action queries, switchboards, custom toolbars and menus, converting objects to html files, and hyperlinks.

Prerequisite: ITEC 1320.

ITEC 2670. Networking Security
Lecture 3, Lab 0, Credit 3

This course teaches the basic networking security requirements needed in local area networking system and the wide area networking systems. It prepares the student for the certification such as the CompTIA Security+ certification test. Topics include: Public Key/Private Key, basic hackers attacks and defends, firewall configurations, and future planning for securing the network. Prerequisite: ITEC 2110.

ITEC 2680. Security Pro
Lecture 3, Lab 1, Credit 4

The course will focus on the knowledge and the experience students need to enter the industry as an entry-level IT security administrator. The student will learn how to protect that network from a myriad of threats. The goal is to prepare the student for certifications and give them the hands-on skills IT employers are seeking. Upon completion of this course, the student will be prepared to take any or all of three separate certification exams: TestOut’s Security Pro Certification exam, CompTIA’s Security+ exam (SYO-301), and ISC2’s SSCP exam. Prerequisites: ITEC 1500 or ITEC 2110, and ITEC 1100, ITEC 1200 or ITEC 1820, or Special Approval.

ITEC 2830. Voice and Data Cabling
Lecture 3, Lab 1, Credit 4

This course prepares the student for the Certification tests associated with Voice and Data Wiring and cabling. Topics include Levels and Categories of different types of wiring and Fiber Optics; terminations of copper wiring CAT 5, Fiber Optic terminations, Wiring closets, distribution, cable specifications, troubleshooting, and design of local areas to wide enterprise systems. Prerequisite: ITEC 1100.

ITEC 2840. Data Communications
Lecture 3, Lab 0, Credit 3

This course introduces concepts that help the student achieve an in-depth understanding of the often complex topic of data communications and computer networks by balancing the more technical aspects and the everyday practical aspects. It offers full coverage of wireless technologies, industry convergence, compression techniques, network security, LAN technologies, VoIP, and expanded coverage of error detection and correction.

ITEC 2911. IT Ethics & Career Development
Lecture 3, Lab 0, Credit 3

This course teaches the ethics and management techniques in the Information Technology arena and focuses on the methodologies of the IT professional as it relates to business and professional development.

ITEC 2995. Internship.
Lecture 0, Lab 3, Credit 3

This course offers an actual workplace experience under the direct supervision of an instructor.

ITEC 2998. Comprehensive Programming Project
Lecture 1, Lab 2, Credit 3

This course is taken toward the end of the student's studies and provides career related work experience in the programming field at the campus or at an employer's site under the supervision of a faculty member. Prerequisite: Special Approval.

ITEC 2999. Comprehensive Networking Project
Lecture 1, Lab 2, Credit 3

This course is taken toward the end of the student's studies and provides career related work experience in the networking field at the campus or at an employer's site under the supervision of a faculty member. Prerequisite: Special Approval.

JOBS 2450. Job Seeking Skills
Lecture 2, Lab 0, Credit 2

This course assists students in preparing ap-
appropriate documents for the job search process including cover letters, resumes, job applications, reference sheets, and follow-up correspondence. Proper grammar and effective word selection is emphasized. Students also participate in a structured interview. It is strongly recommended that students take this course during their last semester of study.

MATH 1000, Algebra for College Students
Lecture 3, Lab 0, Credit 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. This course is designed to fulfill the mathematics component of the AAS degree for students in non-science curricula. Prerequisites: Math score of at least 19 on the ACT, and equivalent score on the ASSET or COMPASS, a "C" or better in TSMA 0093. [LCCN: CMAT 1203]

MATH 1020, Applied Trigonometry
Lecture 3, Lab 0, Credit 3

Topics include a review of geometry essentials, trigonometric functions and graphs, right triangle, vector resolution and oblique triangles. Prerequisite: Require a "C" or better in MATH 1100.

MATH 1100, College Algebra
Lecture 3, Lab 0, Credit 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. Prerequisite: Math score of at least 19 on the ACT, and equivalent score on the ASSET or COMPASS. A "C" or better in TSMA 0093. [LCCN: CMAT 1213]

MATH 1110, Trigonometry
Lecture 3, Lab 0, Credit 3

Includes the study of trigonometric functions and identities, inverse trigonometric functions, graphs, solving triangles and equations, complex numbers, vectors and polar coordinates. Prerequisite: MATH 1100. [LCCN:CMAT 1223]

MATH 1120, Precalculus Algebra
Lecture 3, Lab 0, Credit 3

Topics from advanced algebra 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, and the theory of equations. Prerequisite: "C" or better in MATH 1100 or a math score of 22 on the Enhanced ACT.

MATH 1250, Math for Graphic Communication
Lecture 3, Lab 0, Credit 3

Basic mathematical operations reviewed in the context of applications for graphic communication students.

MATH 1305, Finite Math
Lecture 3, Lab 0, Credit 3

Matrices with applications, linear programming, probability, mathematics of finance and trigonometry. Prerequisite: Require "C" or better in MATH 1000 or MATH 1100. [LCCN: CMAT 1313]

MATH 2000, Contemporary Mathematics
Lecture 3, Lab 0, Credit 3

An introduction to contemporary mathematics. Topics will vary but may include finance, perspective and symmetry in art, logic, probability and odds, graph theory, statistics, element number structure and theory, and numeracy in the real world. Prerequisite: "C" or better in MATH 1000 or MATH 1100. [LCCN: CMAT 1103]

MATH 2100, Elementary Statistics
Lecture 3, Lab 0, Credit 3

Calculation of simple probability in discreet and continuous variable cases. Descriptive statistics; measures of central tendency; binomial, Poisson and normal distributions. Testing hypotheses using normal deviate and t-statistics. Prerequisite: Require "C" or better in MATH 1000 or MATH 1100. [LCCN:CMAT 1303]

MATH 2200, Calculus for Non-Science Majors
Lecture 3, Lab 0, Credit 3

Limits and continuity of functions; differential and integral calculus; applications to business, economics, and social sciences including maxima, minima, optimization, marginal analysis, and exponential growth. Prerequisite: "C" or better in MATH 1110. [LCCN:CMAT 2103]

MATH 2500, Calculus I
Lecture 3, Lab 0, Credit 3

Limits and continuity of functions; the derivative; techniques of differentiation; Chain Rule; implicit differentiation; transcendental functions; applications of differentiation; concavity; relative extrema; optimization; antiderivatives; definite integrals; Fundamental Theorem of Calculus; area. Prerequisites: "C" or better in MATH 1110. [LCCN: CMA 2113]

MATH 2510, Calculus II
Lecture 3, Lab 0, Credit 3

Techniques of integration; applications of the integral; parametric equations; polar coordinates; infinite sequences and series; Taylor's formula. Prerequisite: "C" or better in MATH 2500. [LCCN: CMAT 2123]

MEDL 1300, Medical Terminology
Lecture 3, Lab 0, Credit 3

An introduction of basic medical terms by use of prefixes, suffixes, and anatomical roots.

MEDL 1340, General Body Structure
Lecture 3, Lab 0, Credit 3

This course covers identification of the organs and basic functions of the human boy and disorders as it relates to each system with medical terminology integrated with each.

MEDL 1360, Medical Coding Part 1
Lecture 3, Lab 0, Credit 3

Provides instruction in the application of the International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) classification system for diagnosis coding and Procedure Coding System (ICD-10-PCS) coding procedures for inpatient procedure coding for all individuals covered by Health Insurance Portability Accountability Act (HIPAA). Prerequisite: MEDL 1300.

MEDL 1370, Medical Coding Part 2
Lecture 3, Lab 0, Credit 3

PHSC 1000. Physical Science I
Lecture 3, Lab 0, Credit 3
Introductory study of topics in physical science including motion, energy, temperature, light and sound, electricity, and atomic structure.

OADM 1450. Basic Word Processing
Lecture 3, Lab 0, Credit 3
Hands-on application of basic word processing techniques and functions. Current version of popular word processing software is incorporated. Prerequisites: OADM 1150 and OADM 1100 or Special Approval.

OADM 1550. Advanced Word Processing
Lecture 3, Lab 0, Credit 3
Hands-on application of advanced word processing with emphasis on features and commands using current version of word processing software. Prerequisite: OADM 1450.

OADM 1610. Presentation Software
Lecture 3, Lab 0, Credit 3
The student will study the use of presentation software. The course will focus on design and proper technique for developing a presentation. Prerequisite: OADM 1150 or Special Approval.

OADM 1650. Desktop Publishing
Lecture 3, Lab 0, Credit 3
Basic concepts in creating documents containing graphics and text. Current version of popular word processing/graphics software is incorporated. Prerequisite: OADM 1550 or Special Approval.

OADM 2530. Office Procedures
Lecture 3, Lab 0, Credit 3
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. Prerequisite: OADM 1450.

OADM 2640. Advanced Spreadsheet Applications
Lecture 3, Lab 0, Credit 3
Focuses on creating graphs, the use of multiple spreadsheets, database capabilities, special spreadsheet functions to perform statistical analysis, financial analysis, mathematical computations, and an introduction to the macro capabilities of spreadsheets. Prerequisite: OADM 1330.

OADM 2995. Internship
Lecture 0, Lab 0, Credit 3
This course offers an actual workplace experience under the direct supervision of an instructor.

OADM 2996. Special Projects
Lecture 3, Lab 0, Credit 3
A course designed for the student who has demonstrated specific special needs. Prerequisite: Special Approval.

ORNT 1000 College Success
Lecture 1, Lab 0, Credit 1
This course is designed to introduce newly enrolled students to college life and career development through a variety of activities. The course includes: an introduction to the college; policies, procedures, and available resources; college success strategies such as study skills, time management, problem resolution, stress management, and effective communication; setting personal and educational goals; team/group dynamics; an introduction to electronic learning and online resources.

OSYS 2530. Office Procedures
Lecture 3, Lab 0, Credit 3
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; an introduction to electronic learning and online resources.

SOWELA Technical College
COMMUNITY COLLEGE
Prerequisite: Eligibility for Math 1100. [LCCN: CPHY 1023]

**PHSC 1100. Physical Science I Laboratory**

Lecture 0, Lab 1, Credit 1

Laboratory investigations designed to demonstrate and complement the lessons taught in Physical Science I. Prerequisite or corequisite: PHSC 1000.

**PHSC 1200. Physical Science II**

Lecture 3, Lab 0, Credit 3

Introductory study of topics in physical science including chemical processes, organic chemistry, meteorology, and geology. Prerequisite: Eligibility for MATH 1100. [LCCN: CPHY 1033]

**PHSC 1300. Physical Science II Laboratory**

Lecture 0, Lab 1, Credit 1

Laboratory investigations designed to demonstrate and complement the lessons taught in Physical Science II. Prerequisite or corequisite: PHSC 1200.

**PHSC 1500. Astronomy**

Lecture 3, Lab 0, Credit 3

Includes a study of the earth’s solar system, the sun and other stars, nebulae, and galaxies. Prerequisite: Eligible for ENGL 1010.

**PHYS 2100. General Physics I**

Lecture 3, Lab 0, Credit 3

Fundamental principles of motion, force, work, energy, temperature, and heat. Prerequisite or Corequisite: “C” or better in MATH 1100. [LCCN: CPHY 2113]

**PHYS 2110. General Physics I Laboratory**

Lecture 0, Lab 1, Credit 1

Use of laboratory experiences to develop and understanding of basic principles of physics. Prerequisite or co-requisite: PHYS 2200. [LCCN: CPHY 2121]

**POLI 1100. American Government**

Lecture 3, Lab 0, Credit 3

Principles, structures, processes, and functions of the United States government. Prerequisite: Eligible for ENGL 1010. [LCCN: CPHY 2013]

**PSYC 2010. Introduction to Psychology**

Lecture 3, Lab 0, Credit 3

An overview of psychology designed to familiarize students with the major theories and basic principles for studying and understanding human behavior. Prerequisite: Eligible for ENGL 1010. [LCCN: CPHY 2013]

**PTEC 1010. Introduction to Process Technology**

Lecture 3, Lab 0, Credit 3

This course is designed to introduce the student to the equipment and methodologies used by the industry for monitoring performance and controlling processes. Topics addressed include common terminologies, basic principles of measurement and instrumentation, specific hardware, performance characteristics, control loops, typical applications and operating limits. Prerequisites or Corequisite: PTEC 1010.

**PTEC 1310. Process Instrumentation I**

Lecture 2, Lab 1, Credit 3

This course is designed to introduce the student to the fundamental of mechanical aptitude and spatial relations. The student will be introduced to moment summation of lever, pulley and gear calculations and other simple machines. The student will use these principles to solve problems that might be encountered on mechanical aptitude tests. In addition, exercises will be presented to familiarize the student with how to visualize objects in space. Prerequisites: MATH 1100.

**PTEC 1320. Process Instrumentation II**

Lecture 2, Lab 1, Credit 3

This course extends the student’s knowledge of process instrumentation. Topics addressed include learning to use P&ID’s, detailed study of control loops, computerization of process control, DCS, case studies, and troubleshooting. Prerequisite: PTEC 1310.
PTEC 2421. Process Systems (PT II) Lab
Lecture 0, Lab 1, Credit 1

This lab prepares the student to operate the Distributive Control Systems in industry. In this class, the student will study the TDC-3000 Distributive Control System. Then the student will work in the Simtronics simulation software. The simulations will be based on plant equipment and running conditions. Corequisite: PTEC 2420.

PTEC 2430. Unit Operations (PT III)
Lecture 3, Lab 1, Credit 4

This course teaches the operations of an entire unit within the process industry using existing knowledge of equipment, systems, and instrumentation. Concepts related to commissioning, normal startup, operations, normal shutdown, turnarounds, safety, environmental, and abnormal situations, as well as the process technician’s role in performing the tasks associated with these concepts within an operating unit. This course incorporates the knowledge of the student and combines that with the responsibilities of the process technician. At the end of the semester the student must prepare an operating manual for one of our glass plants. The lab portion of the classes includes simulation software (Simtronics and Dexter) and refresher training using the Ingenious software. Prerequisite or Corequisite: PTEC 2420, Corequisites: PTEC 2911 or PTEC 2912.

PTEC 2440. Process Troubleshooting
Lecture 3, Lab 0, Credit 3

This course applies a six-step troubleshooting method for solving and correcting operation problems. It focuses on malfunctions as opposed to process design or configuration improvements. Troubleshooting is using data from instrumentation to determine the cause for abnormal conditions in an organized and regimented way. Prerequisite: PTEC 1610, Prerequisite or Corequisite: PTEC 2420.

PTEC 2620. Process Physics
Lecture 3, Lab 0, Credit 3

This course is designed to introduce the student to fundamental physics principles and their application to industry. The basic principles of motion, force, work, energy, temperature, and heat will be studied. Formulas, synthesis of formulas, and modification of variables are important to the understanding of scientific principles. Vector analysis and force modifications will be applied as they relate to the petrochemical environment. The use of machines, their mechanical advantages and energy transformations, will be tested. The principles of radioactivity and its attendant nature and safety factors will be explored. The student’s mathematical knowledge, including trigonometry, is imperative to the understanding of this course. Prerequisites: MATH 1100, Corequisite: PTEC 2621.

PTEC 2621. Process Physics Laboratory
Lecture 0, Lab 1, Credit 1

The laboratory experience is used to enhance the basic principles of process physics. The major objective is to generate data that can be examined to answer scientific principles. Formula writing as well as mathematical expertise will be needed to accomplish this objective. The topics of industrial organics, forces in our universe, motion, vectors, heat energy, and radiation will be studied in detail. Students should develop a real appreciation of the work of scientists in the process of discovery to answer questions about our physical universe. The correct use and manipulation of scientific equipment and supplies are also important to a successful laboratory experience. Corequisite: PTEC 2620.

PTEC 2630. Fluid Mechanics
Lecture 3, Lab 0, Credit 3

This course is an introductory study of the physical properties and the static and dynamic behavior of fluids. Topics to be studied are: the structure of matter, the density, specific gravity and API gravity of fluids, the viscosity, temperature, and pressure relationships of fluids, the static behavior of fluids including NPSH and its impact on pumping systems, and the dynamic behavior of fluids including the general energy equation and pressure drop relationships. Prerequisites: MATH 1100.

PTEC 2700. Oil & Gas Production
Lecture 3, Lab 1, Credit 4

Oil & Gas Production will familiarize students with the job of the oil and gas production technician. Specifically, this course covers the following topics: natural gas treatment, dehydration and compression systems and equipment; the produced water treatment and handling system and equipment; auxiliary systems and equipment; artificial lift and enhanced recovery techniques; pumping and transportation systems; safety, health and environmental considerations relative to the field of oil and gas production; and in introduction to petroleum refining and processing. Prerequisite or Corequisite: PTEC 2420.

PTEC 2911. Campus Internship
Lecture 0, Lab 3, Credit 3

This course, consisting of 135 hours of departmentally approved team activities utilizing the PTEC Laboratory (Glass Plants). Using the PTEC Laboratory Glass Plants (six operating units), the students will apply and demonstrate the operating principles previously learned in the PTEC curriculum. This course consists of some individual and team work, exchanging operating principles, safety health and environment issues, and drawing a (P&ID) of their assigned plants as built. Prerequisites: PTEC 2420, Corequisite PTEC 2430.

PTEC 2912. Independent Internship
Lecture 0, Lab 3, Credit 3

Students qualifying for an industrial internship (PTEC 2912) must work a minimum of 135 supervised hours in a local industry facility. The facility providing the internship will determine the work schedule, which may include shift, nights or weekend work, and the actual hours that the student must spend at the facility to complete this course. In most cases the total hours will be more than the minimum 135 hours. Students who are unable to obtain an industrial internship will be required to take a campus internship (PTEC 2911) consisting of 135 hours of departmentally approved team activities utilizing the PTEC Laboratory (Glass Plants). Students taking the industrial internship course should note that it is unlikely that any other SOWELA classes other than distance learning classes can be taken in the semester. In addition to meeting the job requirements of the student’s assignment in the industrial facility, the student will demonstrate the operational principles previously learned in the PTEC curriculum under the supervision of a supervisor at the industrial facility. Students taking the industrial internship will receive compensation from the facility for the hours worked in the industrial facility with the compensation being determined by the facility. Prerequisites: PTEC 2420, Corequisite: PTEC 2430.

REL 2110. Introduction to Religions of the World
Lecture 3, Lab 0, Credit 3

This course will engage you in a comparative study of the history, basic beliefs, and characteristic practices of such major religious systems as Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, and Islam. Some attention will also be given to the religions of the ancient Middle Eastern and Mediterranean peoples, to ancient and modern tribal religions, and to contemporary sectarian and cultic movements. In this course, you will be introduced to primary and secondary sources in the field of comparative religion. You will also be introduced to the essential principles and critical thinking techniques. Prerequisite: Eligible for ENGL 1010. [LCRN: CPHL 2213]
SKIL 1000. Skills for Successful Studies
Lecture 3, Lab 0, Credit 3
A comprehensive course outlined to address strategies needed to be successful in college.

SOCL 2010. Introduction to Sociology
Lecture 3, Lab 0, Credit 3
An overview of sociology including theoretical perspectives and theorists; logic and techniques of research; social organization, institutions, and inequality, and social change. Prerequisite: Eligible for ENGL 1010. [LCCN: CSOC 2013]

SOCL 2020. Social Problems
Lecture 3, Lab 0, Credit 3
A study of individual, family, and community disorganization. Topics include crime, drug abuse, sexual deviance, inequality, and mental illness. Prerequisite: Require "C" or better in SOCL 2010. [LCCN: CSOC 2113]

SPCH 1000. Fundamentals of Speech Communication
Lecture 3, Lab 0, Credit 3
Develops an awareness and appreciation of history and traditions of speech communication as an academic field of study. Includes fundamental codes, functions, and processes of oral communication. Prerequisite: Eligible for ENGL 1010. [LCCN: CCOM 1013]

SPCH 1200. Introduction to Public Speaking
Lecture 3, Lab 0, Credit 3
Basic public speaking principles and skills. Provides experience preparing, organizing, and presenting each of the following types of speech: personal, introductory, informative, demonstrative, persuasive, and testimonial. Prerequisite: Eligible for ENGL 1010. [LCCN: CCOM 2013]

TSEN 0093. Transitional Writing
Lecture 3, Lab 0, Credit 3
This course provides instruction that will enable students to master the techniques of composition. Instruction and practice in paragraph and essay development will provide a foundation for a college level composition course. This is a skills improvement course that may not be used as credit for a certificate, diploma, or degree. Placement is based on ACT, COMPASS, ASSET, or SAT scores.

TSRE 0091. Transitional Reading
Lecture 3, Lab 0, Credit 3
This comprehensive reading course helps students improve their reading processes through a study of word forms and meanings, vocabulary and comprehension skills, and critical thinking skills. Also included are user information skills (using a library, e-mail, encyclopedias, outlines, note taking, etc.), consumer information skills (reading a newspaper, warning labels, filling out forms, etc.) and reading maps, charts, and graphs. This is a skills improvement course that may not be used as credit for a certificate, diploma, or degree. Placement is based on ACT, COMPASS, ASSET, or SAT scores.

WELD 1110. Occupational Orientation and Safety
Lecture 1, Lab 1, Credit 2
Introduces the student to the occupation of welding that includes information and practice concerning safe working environments and safe operation of tools and equipment common to welding.

WELD 1120. Basic Blueprint, Metallurgy, and Weld Symbols
Lecture 1, Lab 1, Credit 2
An introduction to and practice of interpreting basic blueprint, metallurgy, and welding symbols. Prerequisite: WELD 1110.

WELD 1130. Welding Inspection and Testing
Lecture 1, Lab 1, Credit 2
Instruction and practice in the qualities and judgments involved in the testing and inspection of welded materials. Prerequisite: WELD 1110.

WELD 1210. Oxyfuel Systems
Lecture 1, Lab 1, Credit 2
An introduction to and practice of safety, set-up, and handling of Oxyfuel cylinders and cutting equipment including practice cutting mild steel. Prerequisite: WELD 1110.

WELD 1310. Cutting Processes – CAC/PAC
Lecture 0, Lab 1, Credit 1
An introduction to and practice of safety, setup, and handling of Carbon Arc Cutting and Plasma Arc Cutting equipment including practice cutting ferrous and non-ferrous metals. Prerequisite: WELD 1110.

WELD 1410. SMAW – Basic Beads
Lecture 0, Lab 2, Credit 2
An introduction to the fundamentals of shielded metal arc welding including safety and practice of welding beads. Prerequisite: WELD 1110.

WELD 1420. SMAW – V-Groove Open
Lecture 1, Lab 3, Credit 4
An introduction to the fundamentals of shielded metal arc welding of open groove welds including safety and practice of open groove welds. Prerequisite: WELD 1411.

WELD 1510. SMAW – PIPE 2G
Lecture 1, Lab 2, Credit 3
An introduction to the fundamentals of shielded metal arc welding of pipe including safety; setup and operation of pipe beveling equipment, and practice of a 2G-pipe weld. Prerequisite: WELD 1420.

WELD 1514. SMAW – 5G Downhill
Lecture 1, Lab 2, Credit 3
An introduction to and practice of a 5G-pipe weld using shielded metal arc welding, with the weld progressing downhill. Prerequisite: WELD 1420.

WELD 1515. SMAW – 6G Downhill
Lecture 0, Lab 2, Credit 2
An introduction to and practice of a 6G-pipe weld using shielded metal arc welding, with the
weld progressing downhill. Prerequisite: WELD 1420.

WELD 1516. SMAW – 5G Uphill
Lecture 0, Lab 4, Credit 4
Maintaining safety and practice of a 5G-pipe weld using the shielded metal arc welding, with the weld progressing uphill. Prerequisite: WELD 1420.

WELD 1517. SMAW – 6G Uphill
Lecture 0, Lab 3, Credit 3
Maintaining safety and practice of a 6G-pipe weld using shielded metal arc welding, with the weld progressing uphill. Prerequisite: WELD 1420.

WELD 2110. FCAW – Basic Fillet Welds
Lecture 1, Lab 1, Credit 2
An introduction to the fundamentals of flux-cored arc welding including safety and practice of fillet welds. Prerequisite: WELD 1110.

WELD 2111. FCAW – Groove Welds
Lecture 0, Lab 1, Credit 1
Maintaining safety and practice of groove welds using the flux-cored arc welding process. Prerequisite: WELD 2110.

WELD 2210. GTAW – Basic Multi-Joint
Lecture 1, Lab 2, Credit 3
An introduction to the fundamentals of gas tungsten arc welding including safety and practice of various fillet and groove welds. Prerequisite: WELD 1110.

WELD 2220. GTAW – PIPE 5G
Lecture 1, Lab 3, Credit 4
An introduction to the fundamentals of gas tungsten arc welding of pipe including safety, setup and operation of pipe beveling equipment, and practice of a 5G-pipe weld. Prerequisite: WELD 2210.

WELD 2221. GTAW – PIPE 2G
Lecture 0, Lab 3, Credit 3
Maintaining safety and practice of a 2G-pipe weld using the gas tungsten arc welding process. Prerequisite: WELD 2210.

WELD 2222. GTAW – PIPE 6G
Lecture 0, Lab 2, Credit 2
Maintaining safety and practice of a 6G-pipe weld using the gas tungsten arc welding process. Prerequisite: WELD 2210.

WELD 2230. GTAW – Aluminum Multi-Joint
Lecture 1, Lab 1, Credit 2
An introduction to the fundamentals of aluminum gas tungsten arc welding including safety and practice of various fillet and groove welds. Prerequisite: WELD 1110.

WELD 2310. GMAW – Basic Fillet Weld
Lecture 1, Lab 1, Credit 2
An introduction to the fundamentals of gas metal arc welding including safety and practice of fillet welds. Prerequisite: WELD 1110.

WELD 2311. GMAW – Groove Weld
Lecture 0, Lab 2, Credit 2
Maintaining safety and practice of groove welds using the gas metal arc welding process. Prerequisite: WELD 2310.

WELD 2312. Basic Pipe and Structural Fabrication
Lecture 1, Lab 2, Credit 3
An introduction to the fundamentals of pipe and structural fitting including safety, math for welders, isometric drawings, pipe takeoffs, saddle layouts, flange layouts, and how to use a pipe fitter’s handbook. Prerequisite: WELD 1110.
ADMINISTRATION
Hellums, Paula, Acting Vice Chancellor for Academic Affairs, B.S.N., Louisiana College – Pineville; M.S.N., McNeese State University.
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Vacant, Vice Chancellor of Student Affairs.
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Schexneider, Martha Jo, Interim Chief Information Resources & Technologies Officer, Ed.D., Lamar University; A.S., McNeese State University; B.S., University of Phoenix; M.Ed., Northwestern State University; A.O.S., SOWELA Regional Technical Institute.
Vacant, Director of Human Capital/Resources and Payroll Planning and Management.
Darbone, Davidson, Executive Director of Facilities Planning and Management.
Schmalz, Kylie, Instructional Site Coordinator for Morgan Smith Site, B.S., McNeese State University.

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Stewart, Charles, Dean of the School of Arts & Sciences, Ed.D., Lamar State University; B.S., M.S., McNeese State University.

FULL TIME FACULTY
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Deshotel, Wallace, Instructor of Welding, (Morgan Smith Site), SMAW Welder Certified.
Drost, Joni, Instructor of Biology, Ph.D., LSU Baton Rouge; M.A., University of Texas at Austin; B.S., Louisiana Tech.
Duhon, Ernest, Instructor of Process Technology.
Duplicantis, Henry, Instructor of Instrumentation, A.A.T., SOWELA Technical Community College.
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Carlile, Ellen, Administrative Coordinator 3.

Carr, Harold, Maintenance Repairer 2.

Charles, Mark, Maintenance Repairer 2.

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Vacant, Registrar/Director of Admissions

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GLOSSARY OF IMPORTANT TERMS

Academic Status
While attending SOWELA, a student must remain in good standing. Students not on academic/disciplinary probation or suspension are in good standing. Students in good standing can participate in clubs/organizations.

Auditing
Students who audit a course attend class, but are not required to fulfill all course prerequisites. No course credit is earned for audited courses; they are shown on the student’s transcript with a grade of “AU”. Students must register for the course(s) they intend to audit and pay the required fees.

CIP Code
Classification of Instructional Programs Code – It provides a taxonomic scheme that supports the accurate tracking and reporting of fields of study and program completions activity.

College Catalog
The College Catalog includes information about SOWELA and its admissions, policies, academic support services, and programs of study. The latest catalog is always on our web site at www.sowela.edu.

Corequisites
Corequisites are required courses that must be taken with or prior to a companion course(s). These courses are listed in the course descriptions of the latest College Catalog.

Credit Hour, Semester
The credit hour is a unit of measure assigned to college credit coursework. A semester credit hour corresponds to one hour of class instruction. Most courses earn three to four semester credit hours. For more information consult your academic faculty advisor.

Dual Enrollment
This is a program that allows a high school student to enroll in a college level course for which dual credit (both college and high school credit) is earned on the student’s secondary and postsecondary academic record.

Electives
Electives are courses taken in addition to required coursework. Elective courses usually relate to the student’s major. For more information, consult your academic faculty advisor.

General Education Core
The general education core is a key series of courses in the humanities, fine arts, mathematics, natural sciences, and social sciences that students are required to take in order to receive an associates or transfer degree. Refer to the latest College Catalog.

GED (See HiSET)

Grade Point Average (GPA)
GPA is used to measure scholastic standing. The GPA is determined by dividing the total number of grade points earned by the total semester credit hours attempted. Refer to the “Grading Section” of this catalog.

Grade Points
Grade points are numerical values assigned to each letter grade for the purpose of computing the grade point average (GPA). Refer to the “Grading Section” of this catalog.

HiSET
High School Equivalency Test– A group of five subject tests which, when passed, certify that the taker has high school level academic skills. They measure proficiency in science, mathematics, social studies, reading and writing. Passing the HiSET, therefore, gives those who did not complete high school the opportunity to earn their high school equivalency credential.

Prerequisites
Prerequisites are required courses. Students seeking to take a course or enter a program of study with prerequisites must first pass the prerequisite courses with a letter grade of “C” or better. Refer to the latest College Catalog.

Semester Hour
Refer to “Semester Credit Hour” in this catalog.

STEPS
Senior Technical Education Program at SOWELA – The STEPS program provides high school seniors a jump start on college. Students in the STEPS program experience the College environment while completing their high school diploma and earning College credits.

Transcript
A transcript is the student’s official record of academic standing, including biographical and test data. Transcripts are obtained upon request from the student to the Office of the Registrar.