Each student should become familiar with policies, regulations, and instructions as stated in this catalog. Counselors, advisers, and other personnel are willing to assist students in planning programs of study and to aid them in other phases of college life. HOWEVER, THE FINAL RESPONSIBILITY FOR MEETING REQUIREMENTS FOR GRADUATION AND ADHERING TO OTHER ACADEMIC REGULATIONS RESTS WITH THE STUDENT.

The BULLETIN presents information which at the time of preparation for printing most accurately describes the course offerings, policies, procedures, regulations, and requirements of the school. Northwest Mississippi Community College reserves the right to alter or change any statement contained herein without prior notice.

In compliance with Title IV, of the Civil Rights Act of 1964; Title IX, Education Amendments of 1972; and Section 504, Rehabilitation Act of 1973; Northwest Mississippi Community College makes available its curricular and extracurricular programs and its facilities to every qualified person regardless of race, sex, color, creed, national origin, or disability. Northwest Mississippi Community College complies with all applicable laws regarding affirmative action and equal opportunity in all its activities and programs and does not discriminate against anyone protected by law because of age, creed, color, national origin, race, religion, sex, disability, or status as a veteran or disabled veteran.

Safety Statement

The safety and security of students, faculty, and staff are very important to Northwest Mississippi Community College. A copy of “Preventing Campus Crime,” published annually by the Campus Police Department, details Northwest policies and procedures regarding campus safety. A copy of the brochure, which contains the annual crime statistics report, is available upon request from the Campus Police Office (662-562-3314) in printed form and online at www.northwestms.edu. “Preventing Campus Crime” is published in compliance with all applicable federal laws regarding campus safety and security.
General Information................................................................. 9
Student Activities and Services .................................................. 23
Admissions................................................................................... 31
Financial Information ................................................................ 43
Academic Regulations................................................................. 73
Programs of Study........................................................................ 89
  Academic Education .................................................................. 90
    Division of Business ............................................................... 90
    Division of Education ............................................................. 98
    Division of Fine Arts .............................................................. 104
    Division of Languages and Communications ..................... 107
    Division of Social Science .................................................... 110
    Division of Nursing .............................................................. 114
    Division of Mathematics ...................................................... 117
    Division of Natural Sciences ............................................... 119
  Career, Technical and Workforce Education ......................... 137
    Technical Education ............................................................ 142
    Career Education .................................................................. 169
Course Descriptions..................................................................... 177
Directory ...................................................................................... 237
Index ........................................................................................... 271
FALL CALENDAR 2014

July 8-9, Tuesday-Wednesday ..................... Registration/orientation for new students
July 15-16, Tuesday-Wednesday ..................... Registration/orientation for new students
August 7-8, Thursday-Friday ..................... New Faculty Orientation
August 11, Monday .................................. Faculty Meeting
August 12, Tuesday .................................. Eligible pre-registered students complete registration process online
Eligible pre-registered students complete registration process on campus
August 13, Wednesday ............................... Last day for pre-registered students to complete registration process on campus
August 14-15, Thursday-Friday ..................... Registration/orientation for all new students
August 18, Monday .................................. Classes begin
August 22, Friday .................................. Late registration begins
Last day to register
Last day to make schedule changes
September 1, Monday ................................ Labor Day Holiday
October 10, Friday ................................. Student Progress Reports due in Registrar's Office by 3:30 p.m.
October 13-14, Monday-Tuesday ................. Fall Break
October 24, Friday .................................. Last day to withdraw from a course, if failing, and receive a “W” grade*
October 31, Friday ................................. Last day to make application for Fall Graduation
November 3-6, Monday-Thursday ............... Pre-registration for Spring 2015 semester—8:30 a.m.-3:30 p.m., and 4:30-6:30 p.m.
November 7, Friday ................................ Pre-registration for Spring 2015 semester—8:30 a.m.-3:30 p.m.
November 10-25 .................................. Pre-registration by appointment
November 21, Friday ................................. Residence halls close for Thanksgiving Holidays at 4 p.m.
November 24-29, Monday-Saturday .......... Residence halls reopen at 2 p.m.
November 30, Sunday ................................ Classes resume
December 1, Monday ............................... Clearance
December 3-5, Wednesday-Friday ............... Last day to withdraw from a course passing and receive a “W” grade
December 5, Friday .................................. Wednesday Evening Exam
December 10, Wednesday .......................... Final Examinations
December 11-16, Thursday-Tuesday .......... Residence halls close at 4 p.m.
December 16, Tuesday ............................. Semester grades due in Registrar's Office by 10 a.m.
December 17, Wednesday ......................... All offices close at 3:30 p.m.
December 18, Thursday .........................

*Does not apply to courses with “F” based on attendance policy.
SPRING CALENDAR 2015

January 6, Tuesday.......................... All offices open
Eligible pre-registered students
complete registration process online

January 7, Wednesday ........................ Faculty report at 8:30 a.m.
Pre-registered students complete
registration process on campus
Eligible pre-registered students
complete registration process online
Registration—Evening Classes/
Online Classes
Residence halls open for registered
students at 9 a.m.

January 8, Thursday.......................... Last day for pre-registered students to
complete registration process on campus
Registration—Evening Classes/
Online Classes

January 9, Friday .............................. Open registration as announced in
Spring semester schedule

January 10, Saturday.......................... Saturday classes begin
January 12, Monday ......................... Classes begin/Late registration begins
January 16, Friday ............................ Last day to register/
Last day to make schedule changes

January 19, Monday ......................... Martin Luther King Jr./Robert E. Lee
Holiday
February 20, Friday .......................... Last day to make application for
Spring Graduation

March 6, Friday ............................... Student Progress Reports due in
Registrar's Office by 3:30 p.m.
Residence halls close for Spring Break
at 4 p.m.

March 9-14, Monday-Saturday ............. Spring Break
March 15, Sunday ............................. Residence halls reopen at 2 p.m.
March 16, Monday ............................ Classes resume
March 20, Friday .............................. Last day to withdraw from a course, if
failing, and receive a “W” grade*

April 2-4, Thursday-Saturday ............. Easter Holiday
April 6-9, Monday-Thursday ............... Pre-registration for Summer 2015 and
Fall 2015 semesters—8:30 a.m.-3:30
p.m., and 4:30-6:30 p.m.

April 10, Friday ............................... Pre-registration for Summer 2015 and
Fall 2015 semesters—8:30 a.m.-3:30
p.m.

April 13-30 ...................................... Pre-registration by appointment
April 24, Friday ............................... Last day to withdraw from a course
passing and receive a “W” grade

May 6-8, Wednesday-Friday .................. Clearance
May 9-14, Saturday-Thursday .............. Final Examinations
May 14, Thursday ............................ Residence halls close at 4 p.m.
(except for students participating in
Graduation)

May 15, Friday ............................... Semester grades due in Registrar's
Office by 10 a.m.
Graduation at 8:30 a.m., 11 a.m. and
2 p.m.
Residence halls close at 4 p.m.
for students participating in Graduation

*Does not apply to courses with “F” based on attendance policy.
## SUMMER CALENDAR 2015

### Day Classes, First Term

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 22, Friday</td>
<td>Eligible pre-registered students complete registration process online</td>
</tr>
<tr>
<td>May 26, Tuesday</td>
<td>Pre-registered students complete registration process on campus (8 a.m.-noon) Open Registration (1-4 p.m.) Summer residence halls open for registered students at 9 a.m.</td>
</tr>
<tr>
<td>May 27, Wednesday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>May 28, Thursday</td>
<td>Last day to register or make schedule changes</td>
</tr>
<tr>
<td>June 12, Friday</td>
<td>Last day to withdraw from a course and receive a “W” grade</td>
</tr>
<tr>
<td>June 24, Wednesday</td>
<td>Final Examinations Semester grades due in Registrar’s Office by 3:30 p.m. Summer residence halls close at 4 p.m.</td>
</tr>
</tbody>
</table>

### Day Classes, Second Term

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 26, Friday</td>
<td>Eligible pre-registered students complete registration process online</td>
</tr>
<tr>
<td>June 29, Monday</td>
<td>Pre-registered students complete registration process on campus (8 a.m.-noon) Open Registration (1-4 p.m.) Summer residence halls open for registered students at 9 a.m.</td>
</tr>
<tr>
<td>June 30, Tuesday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>July 1, Wednesday</td>
<td>Last day to register or make schedule changes</td>
</tr>
<tr>
<td>July 3, Friday</td>
<td>Independence Day Holiday</td>
</tr>
<tr>
<td>July 17, Friday</td>
<td>Last day to withdraw from a course and receive a “W” grade</td>
</tr>
<tr>
<td>July 29, Wednesday</td>
<td>Final Examinations Semester grades due in Registrar’s Office by 3:30 p.m. Summer residence halls close at 4 p.m.</td>
</tr>
</tbody>
</table>

### Evening School Classes

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 22, Friday</td>
<td>Eligible pre-registered students complete registration process online</td>
</tr>
<tr>
<td>May 26, Tuesday</td>
<td>Pre-registered students complete registration process on campus (8 a.m.-noon) Open Registration (4:30-7 p.m.)</td>
</tr>
<tr>
<td>May 27, Wednesday</td>
<td>Classes begin</td>
</tr>
</tbody>
</table>
May 28, Thursday................................. Last day to register or make schedule changes
June 19, Friday............................................. Last day to withdraw from a course and receive a “W” grade
July 3, Friday ................................................ Independence Day Holiday
July 20, Monday........................................... Final Examinations (MW classes)
July 23, Thursday........................................... Final Examinations (TTH classes)
July 28, Tuesday........................................... Semester grades due

ONLINE CALENDAR 2014-15

FALL 2014

August 12-15, Tuesday-Friday....................... Open registration
August 18, Monday........................................ Late registration begins
August 22, Friday........................................... Last day to register
August 25, Monday........................................ Classes begin (course sites open)
August 25-26, Monday-Tuesday............... Drop/Add for MSVCC classes
November 7, Friday............................... Last day to withdraw from MSVCC online classes

December 5, Friday........................................... Last day of classes

SPRING 2015

January 7-9, Wednesday-Friday.................. Open registration
January 12, Monday................................. Late registration begins
January 16, Friday........................................ Last day to register
January 20, Monday................................. Classes begin (course sites open)
January 20-21, Monday-Tuesday.......... Drop/Add for MSVCC classes
April 1, Wednesday............................... Last day to withdraw from MSVCC online classes

May 1, Friday........................................... Last day of classes

SUMMER 2015

May 26, Tuesday........................................... Open registration on all campuses (1-4 p.m.)
June 1, Monday........................................... Classes begin (course sites open)
July 10, Friday........................................... Last day to withdraw from MSVCC classes
July 24, Friday........................................... Last day of classes
Chief Executives of Northwest Mississippi Community College 1927–present

Porter Walker Berry ....................... 1927-1935
S.R. Deen ..................................... 1935-1936
Roscoe C. Pugh .............................. 1936-1953
Reese D. McLendon ........................ 1953-1974
Henry B. Koon ................................ 1974-1985
June Sneed Gardner .......................... 1985
David M. Haraway ............................ 1985-2005
Gary Lee Spears .............................. 2005-present

Dr. Gary Lee Spears

Dr. Gary Lee Spears is serving as the college's eighth president. Under his leadership, phase two of a major capital improvement plan is underway, new programs of study and methods of teaching are being explored and student retention and graduation rates are at an all-time high.
GENERAL INFORMATION

History

Northwest Mississippi Community College has its roots in the system of agricultural schools which were set up throughout this rural state in the early years of the 20th century. First organized as Tate County Agricultural High School in 1915, the school began to offer college level classes in the fall of 1926. With encouragement from the State Department of Education and leadership from Porter Walker Berry, who became the college's first president, this initial endeavor proved to be successful. Two years later Quitman County pledged its support for the expanded class offerings. Meanwhile the Mississippi Junior College Commission urged school officials to convert the established classes into a complete two-year program. As a result in the fall of 1928 a fully-sanctioned junior college, later named Northwest Mississippi Junior College and accredited by the Mississippi Junior College Accrediting Association, opened its doors to 59 students.

Like all public institutions Northwest has been influenced by the political and economic climate in the state. When the Great Depression struck Mississippi with particular virulence, students were allowed to pay for their board by donating garden and farm products to the dining hall, while the government's public works program provided funds to supplement the school's budget. During World War II an accelerated program was introduced to allow young men to complete their educations quickly so that they could join the war effort. As returning veterans enrolled in large numbers after the war, the curriculum was expanded to fit their needs, and new buildings were constructed from government surplus materials.

Throughout this time the course offerings, the physical facilities, and the extracurricular activities of the school were growing. By the end of its third decade of operation the curriculum had expanded from a basic program of liberal arts and agriculture to include science, art, and journalism in addition to a variety of vocational-technical courses. The original three buildings had been supplemented with a cafeteria, additional dormitory and classroom space, sports and recreational facilities, and acreage for a model farm. In 1953 the Southern Association of Colleges and Schools commended Northwest as a “bargain in educational facilities” and granted the college its coveted accreditation. During the next few years the college continued to prove that it deserved this honor by broadening its capacity to serve the needs of the 11-county district it had grown to encompass. A bus route began to provide free transportation for commuters, while night classes and off-campus courses offered extended educational services. Recent innovations include accelerated classes and non-traditional scheduling to accommodate adults, as well as short non-credit courses of interest to all ages. Northwest’s first distance learning programs were offered on the Internet in the spring of 1999.

Today Northwest serves students at four campuses: the main campus in Senatobia, DeSoto Center at Southaven and Olive Branch, and Lafayette-Yalobusha Technical Center at Oxford. Yet after eight decades of growth and in the school’s eighth administration, the mission of Northwest remains true to the vision of its founders. Northwest strives today, as it did in 1926, to bring higher education closer to the people as it serves the academic, employment, physical, cultural, and special needs of the citizens of northwest Mississippi.

—Lucie R. Bridgforth
Accreditation

Northwest Mississippi Community College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award the Associate of Arts degree, the Associate of Applied Science degree, and certificates in career education. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, GA, 30033-4097, or call (404) 679-4500 for questions about the accreditation of Northwest Mississippi Community College. The College was initially accredited by the Mississippi Junior College Accrediting Association in 1928 and by the Southern Association of Colleges and Schools in December 1953. The latest reaffirmation of the SACS accreditation was in 2007. The college is also a member of the American Association of Community and Junior Colleges.

The Associate Degree Nursing program was initially accredited by the National League for Nursing in 1978 and has maintained that accreditation. The program is currently accredited by the Accreditation Commission for Education in Nursing (ACEN) located at 3343 Peachtree Road NE Suite 850, Atlanta, Georgia 30326, and the Mississippi Board of Trustees of State Institutions of Higher Learning located at 3825 Ridgewood Road, Jackson, MS, 39211.

The Associate of Applied Science degree in Funeral Service Technology at Northwest Mississippi Community College is accredited by the American Board of Funeral Service Education (ABFSE), 3414 Ashland Avenue, Suite G, St. Joseph, Mo. 64506.: Telephone number (816) 233-3747: website www.abfse.org.

The Aviation Maintenance Technology program is accredited by the Federal Aviation Administration (FAA).

The Cosmetology program is accredited by the Cosmetology Board of the State of Mississippi.

The Practical Nursing program is accredited through the State Department of Education, Career-Technical Division, The National Association for Practical Nurse Education and Services, Inc. (NAPNES), National Federation for Licensing Practical Nursing Corp. (NFPNA), and the Mississippi Licensing for Practical Nursing Association (MLPNA).

The Respiratory Therapy program on the DeSoto Center campus in Southaven is accredited through the State Department of Education and holds national accreditation by the Commission on Accreditation for Respiratory Care (www.coarc.com), 1248 Hardwood Road, Bedford, Texas, 76021-4244: Telephone number 817-283-2835.

The Emergency Medical Technology-Paramedic program is sanctioned by the Mississippi State Board of Health, Division of EMS, the State Department of Education, and the Committee on Accreditation of Educational Programs for the EMS Professions. The program meets or exceeds those standards established by the National Highway Traffic Safety Administration/U.S. Department of Transportation.

The Heating, Air Conditioning and Refrigeration Technology program has met the instruction, curriculum, student, faculty and facility standards set forth by the Partnership for Air-Conditioning, Heating, Refrigeration Accreditation (PAHRA). PAHRA's programmatic accreditation certifies that the following training areas have been evaluated: Residential Air Conditioning and Heating.

Except for the credits in some technical, career, and foundation courses, freshman and sophomore credits earned at Northwest Mississippi Community College may be transferred to any other college or university and applied toward an academic degree.
Mission of Northwest Mississippi Community College

The mission of Northwest Mississippi Community College is to provide the students of its eleven-county district and beyond with opportunities for obtaining affordable quality education to meet their diverse needs. The comprehensive community and technical college offers students educational experiences through traditional campus-based and distance learning opportunities. Northwest is committed to achieving the following goals: to promote excellence in educational programs; to maintain quality educational support services; to continue responsive administrative processes; to ensure efficient use of financial and physical resources; and to assure institutional effectiveness.

Northwest Mississippi Community College meets the educational, employment, career, cultural, and special needs of its students and the community through the offering of:

- Academic and career technical curricula leading to certificates, diplomas, and associate degrees;
- University-parallel courses and programs meeting requirements of the first two years of a baccalaureate degree;
- Workforce Development training designed to meet current and future workforce needs in business and industry;
- A comprehensive program of remedial and developmental education;
- Continuing education and service programs for the community;
- Student support through tutoring, guidance, counseling, career information and placement; and,
- Services including library services, cultural and enrichment opportunities, information technology services, and extracurricular activities for students and the community.

General Education Outcomes

The College has established outcomes to enhance the learning experiences beyond the major areas of study. The following are the College's general education outcomes:

**Basic Computer Skills Goal:** Students will demonstrate the ability to apply basic computer skills used in a technological world.

**English Composition Goal:** Students will demonstrate effective writing skills necessary for advancement in college, performance in the workplace, and proper function in society.

**Humanities/Fine Arts Goal:** Students should demonstrate knowledge of the influence of literature, humanities, and/or the arts on society. Students should understand and appropriately apply modes of expression—descriptive, expository, narrative, and self-expression—in written, visual, and oral communication, and respond critically to works in the Fine Arts and Humanities.

**Mathematics Goal:** Students’ critical thinking skills will be developed through analyzing and solving problems.

**Natural Sciences Goal:** Students enrolled in select non-major introductory science courses will have a mastery of the fundamental concepts of science including, but not limited to, the scientific method.

12 • General Information
Public Speaking Goal: Students will be able to research, organize, and present a speech in public.

Social/Behavioral Science Goal: Students will gain an awareness of the common human experience by acquiring a knowledge and understanding of that experience, both individually and collectively, in the context of time, space, and culture.

Northwest Campuses

DeSoto Center-Southaven

After receiving numerous requests from area citizens to do so, the governing authorities of Northwest Mississippi Community College, under the guidance of President Henry B. Koon, decided in 1974 to consider establishing an attendance center in DeSoto County. After much study, it was concluded that in this demographically dynamic area a facility such as DeSoto Center would enhance Northwest. DeSoto Center opened in 1975.

In 1990, by a directive from the Board of Trustees, DeSoto Center was dedicated to the late President Koon.

In August 1995, a new $7.3 million facility was completed on Church Road, approximately four miles south of the former DeSoto Center campus. The 94,000-square-foot structure, financed through the efforts of the taxpayers of DeSoto County, is situated on a beautiful 48.5-acre site. This site, donated by the W.E. Ross family, offers the college opportunities to expand as DeSoto County continues to grow.

The architectural design of the two-and-one-half story facility is post-modern with early Wrightian influences. The focal point of the building is a glass and steel tower that forms the atrium and commons. A closed-circuit TV system provides security for the building and parking lots.

With the opening of a 47,000 square foot addition in 2005 and completion of the unfinished basement, the facility now totals 157,925 square feet.

College Parallel Programs

Students at DeSoto Center can take most courses in the following college parallel majors: Accountancy*, Business Administration*, Computer/Management Information Systems, Business and Office Administration, Elementary Education*, Secondary Education*, History, English, General College, Psychology, Sociology, and Science. These programs are designed to transfer to most colleges and universities in our area.

Two-Plus-Two Program

For students planning a two- or four-year degree, Northwest Mississippi Community College and The University of Mississippi act as educational partners with a two-plus-two program. Northwest offers the first two years of the college academic program, and UM provides the third and fourth years, along with graduate study. The Associate of Arts degree is awarded by Northwest, while the University grants baccalaureate degrees in Business Administration (Management, HR, Marketing, Finance, & MIS), Liberal Arts, Elementary Education, Secondary Education (English, Math, & Social Studies), Accountancy, General Studies, Integrated Marketing Communications, Social Work, Paralegal Studies and Criminal Justice (Law
Enforcement, Corrections, & Homeland Security) and master’s degrees in Education (Curriculum & Instruction-Elementary, Leadership K-12, Literacy, & Professional Counseling), Accountancy, Criminal Justice, Curriculum and Instruction (MACI), Higher Education and Student Personnel, Teaching English as a Second Language, and Professional MBA. UM also offers the Educational Specialist in Curriculum and Instruction.

*These programs are part of the Two-Plus-Two Program.

**Technical Programs**

DeSoto Center/Southaven offers the following technical programs: Accounting Technology; Cardiovascular Technology; Funeral Service Technology; Hotel and Restaurant Management Technology; Business and Marketing Management Technology; Health-care Data Technology; Microcomputer Technology; Office Systems Technology; Paralegal Technology; Respiratory Therapy; and one career program, Practical Nursing.

**DeSoto Center-Olive Branch**

In an effort to meet the training needs of the citizens of DeSoto County and surrounding areas, a vocational-technical campus was established in the Olive Branch Metro Industrial Park. The campus officially opened in the fall of 1985.

DeSoto Center-Olive Branch offers an Aviation Maintenance Technology degree program and a Commercial Truck Driving course.

**Lafayette-Yalobusha Technical Center**

The Lafayette-Yalobusha Technical Center at Oxford opened in the fall of 1983. An additional 11 acres of land for expansion was purchased in 1999. A 31,000-square-foot expansion was opened in August 2002. A complete renovation of the original building was completed in 2005 and included an addition for Physical Plant operations and a truck dock.

The third addition to the complex, completed in 2009, adds 10,900 square feet. The focus of this project was relocation of the Cosmetology program, two additional classrooms and faculty offices.

**College Parallel Programs**

Students can get the prerequisites they need to transfer seamlessly to any Mississippi four-year college at Lafayette-Yalobusha Technical Center (Oxford Center). LYTC students can take all of the courses in the following college parallel majors: Accountancy, Business Administration, Computer/Management Information Systems, Criminal Justice, Elementary Education, General College, Liberal Arts, Outdoor Recreation and Management, Secondary Education, Psychology and Social Work. These programs are designed to transfer to most colleges and universities in our area.

**Technical Programs**

Lafayette-Yalobusha Technical Center offers Office Systems Technology, Health-care Data Technology, Cosmetology, Health Care Assistant, Office Assistant, Practical Nursing, Paralegal Technology and Surgical Technology.
The Main Campus
Fifty-six buildings totaling 980,000 square feet are scattered over 190 acres. Facilities have expanded from three original buildings to a sprawling network of buildings in a pedestrian-friendly college campus environment.

Buildings and Grounds
The campus is accented with landscaped areas and flowering beds. A focal point at the Student Union is the pedestrian mall featuring brick benches, trees, and flower beds. There are numerous athletic facilities for both intercollegiate competition and intramurals and recreation. Areas are provided for baseball, football, basketball, tennis, softball, sand volleyball and soccer.

The James P. McCormick Administration Building, one of the original buildings on the campus named for the former Dean of Students, is the familiar landmark of Northwest Mississippi Community College. In it are the offices of the president, other administrative officers, the business office, and computer center. Built in 1915, this facility once served as the primary classroom building for Tate County Agricultural High School. In 1993 the building was designated a Mississippi Landmark by the Permit Committee of the Board of Trustees of the Mississippi Department of Archives and History. In 2009 a preservation and renovation project of the entire building was completed and included a two-story addition with a public elevator and ADA-compliant restrooms.

McLendon Center, named for former President Reese D. McLendon (1953-1974), is home to the Student Union and Physical Education facilities. Built in 1969, the 86,500-square-foot facility is the hub of student and community activities. In it are conference and meeting rooms, a fitness center, gymnasium, Pilates and multidance studios, an open student computer lab, and small group study rooms. Offices for Campus Police, Student Support Services, Help Desk, Math Lab, Intramurals, Telecommunications and Network Support are located in the Union. The Commons, completed in 1988, houses the campus Post Office and Ranger Bookstore. McLendon Center was extensively renovated in 2012, including the addition of a second gymnasium and athletic weightlifting facility.

The David M. Haraway Center opened in 2005 and is named in honor of Dr. David M. Haraway, the seventh President of Northwest. This 42,000-square-foot facility houses a student cafeteria with a food court that serves resident and commuter students and contains quiet dining areas. The Center also houses the Board of Trustees suite and meeting and banquet rooms available for college and community use.

Multipurpose Livestock Facility, located on the Northwest Farm, was completed in the winter of 1999. The 43,000-square-foot building is used for college and community activities including livestock competitions, agriculture expositions, and rodeo-type entertainment. The facility includes space for the Northwest Rodeo Team office, meeting room, and storage.

The Fine Arts Auditorium, originally built in 1957, underwent an extensive renovation in 2002-2003. While the exterior facade has been transformed to resemble Grecian architecture, interior improvements include the addition of a 103-seat balcony, new seating, lighting and sound enhancements, improvements to the stage and mechanical functions, and the addition of an atrium with balcony area for small performances in the lobby. Adjoining the Fine Arts Building, the 407-seat audito-
rium is used extensively for assemblies of various kinds and for dramatic and musical productions.

**Howard Coliseum**, completed in 1974, is named in honor of Mrs. Willie Abbay Howard, former member of the college Board of Trustees (1948-1977). This 3,200-seat multipurpose facility is the home of the Ranger and Lady Ranger basketball teams. The Coliseum also houses athletic department offices, Sports Hall of Fame room, dressing rooms, training room, and equipment room. In 2009 the arena was renovated for ADA compliance.

**Recreational Outdoor Complex (the ROC)**, completed in 2011, includes eight tennis courts, four basketball courts, two volleyball courts and public restroom facilities. All sports areas are provided with exterior lighting for play after dark. Health, P.E., and recreation classes are held here.

**Physical Plant Building**, located in the northwest corner of the campus, was completed in the spring of 1976. The 28,000-square-foot facility houses offices, trade shops, and warehouses. A new warehouse building was added in 2010.

**Tate Hall**, is located at the east campus entrance. The original residence building (c. 1915) was demolished to allow for a new multiservice facility. Reconstruction of this building on its original site was completed in 2013. This facility houses the Student Development Center and Counseling Services, the offices of the Vice President for Student Affairs, Campus Life and Housing, and the Division of eLearning. Computer labs for the Learning Resource Center are located on the first floor adjoining the library at the south entrance.

**Taylor Fore Transportation Center**, named for a former Northwest transportation employee, was completed in 1978. The 8,400-square-foot facility, located southwest of the Physical Plant Building, houses maintenance and repair areas for the college fleet.

**The WIN Job Center** is one of four full-time centers operated by the college. The two-story facility, completed in 2002, houses offices, conference rooms, and a resource center for the federal WIA program participants for job searching and resumes.

**The Workforce Development and Community Services Building** is located on the north side of the campus. The 5,000-square-foot facility houses the administrative offices of Workforce Development, Continuing Education and GED Testing Center.

**Yalobusha Hall**, completed in the winter of 2000, sits on the site of the old Yalobusha dormitory. Architectural elements of the old building were borrowed into the design including window style and placement, roof style, and federal-style porches. A variety of student needs are accommodated here in the offices of Recruiting, Registrar’s Office, Financial Aid, Associate Vice President for Educational Affairs, and Communications and Student Publications.

**Housing Facilities**

**Benton Hall**, completed in 1971 as a three building apartment complex, was converted in 1989 to a women’s residence hall. The completely furnished facility houses 78 students. The student apartments have mini kitchens, living rooms, bedrooms and baths. Satellite TV connections, land-line telephone connections, and wireless Internet are provided as well. Laundry facilities are located on site in a separate building.

**Bobo Hall**, built in 1965 was named for Estelle H. Bobo, who served the college...
from 1937 to 1965 in many capacities, including dean of Women and supervisor of Housekeeping. The two story women's residence has a capacity for 68 students, featuring two bedroom suites with spacious bathroom accommodations between rooms. Each student has a study desk, built in bed, and closet with drawers and storage. Each room is equipped with climate controlled thermostats, satellite TV connections and wireless Internet. Laundry and snack vending is located on the first floor and a student lounge on the second floor. The building was completely renovated in 1996 and recently upgraded for energy efficiency in the spring of 2014. These upgrades include accessible bedroom suites, fire protection, heating and air efficiencies, LED lighting, controlled/monitored access and video surveillance for enhanced security.

DeSoto Hall, built in 1968, was renovated in 1999 and converted from faculty housing to student residences, housing 59 students. The four building courtyard complex is comprised of two buildings housing male students, and two buildings housing female students in apartment-style accommodations. Standard apartments include a mini kitchen, living room, two bedrooms, one full bath, and are equipped with a washer/dryer. Satellite TV connections, land-line telephone connections, and wireless Internet are provided as well. Deluxe apartments are similarly equipped with the addition of a study lounge and an additional half bath. The complex features an enclosed secured courtyard and is monitored by video surveillance and a fire alarm system.

Gainey Hall was built in 1966. Named for Andrew G. Gainey, first president of Tate County Agricultural High School, the two story men’s residence is home for 90 students. The facility features two bedroom suites with bathroom accommodations between rooms. Each student has a study desk, built in bed, and closet with drawers and storage. Each room is equipped with climate controlled thermostats, satellite TV connections and wireless Internet. Laundry and snack vending is located on the first floor and a quiet study lounge on the second floor. The building was completely renovated in 1995 and recently upgraded for energy efficiency in the spring of 2014. These upgrades include accessible bedroom suites, fire protection, heating and air efficiencies, LED lighting, controlled/monitored access and video surveillance for enhanced security.

Marshall Hall, completed in fall 2003, houses 160 students. Four buildings house students in apartment-style accommodations equipped with a mini kitchen, living room, two bedrooms, one full bath, and a washer/dryer. Satellite TV connections, land-line telephone connections, and wireless Internet are provided as well. This complex features a central office/lounge area, ample parking, and is monitored by video surveillance and a fire alarm system.

Panola Hall, completed in 1974 and completely renovated in 2004, houses approximately 84 female students. Suites have three bedrooms, a large bathroom, and a common hallway with outside access. Climate controlled thermostats, satellite TV connections, land-line telephone connections, and wireless Internet are provided in each bedroom. A lounge, vending area with microwave, and laundry facilities are located on the first floor. Safety and security features include fire alarms, video surveillance, and a controlled/monitored access system into each suite.

Quitman Hall, a three-story residence hall housing 258 men, was built in 1968 and completely renovated in 1991. Bedrooms have built-in beds, chests, study desks, and closets. Satellite TV connections, land-line telephone connections, and wireless Internet are provided as well. Lounges for the students, a lobby, vending rooms, and laundry facilities are included in the building. Safety and security features include a central fire alarm, video surveillance, and a controlled/monitored access system.
Tallahatchie Hall, completed in 1973, was renovated in 1990. Three buildings accommodate 96 male students. Each apartment has a mini kitchen, living room, two bedrooms and one full bath. Satellite TV connections, land-line telephone connections, and wireless Internet are provided. Laundry facilities are located on site in a separate building.

Taylor Hall, named for former Board of Trustees member Mrs. W.S. Taylor, is a three-story residence hall for 172 women built in 1968 and completely renovated in 1994. Bedrooms have built-in beds, chests, study desks, and closets. Satellite TV connections, land-line telephone connections, and wireless Internet are provided as well. The building has a lounge on each floor and vending and laundry facilities. Safety and security features include central fire alarm, video surveillance, and controlled/monitored access systems.

Faculty Houses are dwellings for members of the faculty and staff. The President's Home on the Senatobia campus, completed in 2010, is located on the north side of the main campus. This home will serve as the primary residence of the President and his family and will be open to the college for various functions throughout the year.

Educational Facilities

Agricultural Technology Building was completed in 2005. The 18,561 square-foot facility includes four classrooms, three tractor shops and faculty offices. The three climate-controlled labs are utilized to provide training for new technicians as well as certification and higher-level training to adults. Located in the southwest corner of the campus, this facility is designed to meet the needs of training on high-tech farming equipment.

A.P. Fatherree Building, named for the former Mississippi Department of Education State Supervisor of Agricultural Education and State Director of Vocational Technology Education, was completed in 1966 with major additions in 1970. The building currently houses agricultural technology classes, labs, and offices as well as intercollegiate baseball training spaces.

Art Building, opened for the 1968-1969 school year and renovated in 1996, provides quarters for instruction in drawing, painting, and other types of art. The focal point of the facility is the gallery for exhibitions of various types of art forms. Also in the building are faculty offices and studios for painting, pottery, and print making. There is also a computer lab featuring Macintosh computers, and two smart classrooms are available for art history and art appreciation classes.

Berry Building, named for Porter Walker Berry, first Northwest president, is the business-technical center built in 1966. The 34,000-square-foot split-level structure houses the office systems technology, computer technology, industrial electronics engineering technology, graphic design, and paralegal departments and workforce development labs. It contains 14 classrooms, 10 offices, and large lobby.

Calhoun Building, acquired by the college and opened in 1998, houses the Division of Education. The building, located on the north side of the campus includes classrooms, labs, faculty offices and a conference room. Each classroom and lab is equipped with networking, audio and video capabilities.

Division of Nursing Building, completed in 2010, was designed by faculty and staff for the Associate Degree Nursing Program. The Craftsman-style structure has
33,347 square feet of finished area plus another 7,700 square feet of unfinished area on the lower ground level for future use. Included in the building are lecture rooms, computer labs, classrooms, student lounges, faculty offices, nursing skills labs and hospital simulation patient rooms.

**The Marilyn R. Spears Building** was completed in the spring of 2009 and is named in honor of retired Early Childhood Education Technology instructor Marilyn R. Spears. This facility houses the college’s Early Childhood Education Technology program and the Child Enrichment Center, a state licensed day care with kitchen that provides laboratory instruction for students enrolled in Student Teaching and Nutrition class. Included in the building are faculty offices, classrooms, a computer lab, and public restrooms. A playground features modern play equipment on a specialized safety surface.

**Fine Arts Building**, built adjacent to the college auditorium in 1961 and renovated in 1995, has a recital hall, classrooms, a choral room, practice studios, electronic piano lab, band hall, and conference room. There are three smart classrooms, one for music appreciation and two for public speaking classes.

**Lafayette Humanities Building** is a three-story facility which houses the Languages and Communications Division. The building includes four computer labs and a number of multimedia classrooms used in composition, literature, foreign language and journalism classes. The first floor of the building was renovated in 2007.

**McGhee Building**, built in 1959, was named for Mrs. Lizzie McGhee. It was used as the cafeteria and field house until 1969 when the cafeteria was moved to the McLendon Center. The building had temporary uses prior to a complete renovation in 1990 to accommodate the Division of Social Science. The modernized facility includes classrooms, faculty offices, and a large conference room.

**R.C. Pugh Library/Learning Resource Center**, built in 1953 and renovated in 1989, is named for the late President (1936-1953) in recognition of his service to the college. The structure features large reading rooms, viewing room, three staffed computer labs with classroom capabilities, quiet study room, nursing study room, separate music and law library, and open stacks.

**Thomas D. Coats Career-Technical Complex** was named for the college’s first Director of Vocational Technology Education. It consists of three buildings:

- Technical Education Building No. One, built in 1962, houses civil technology, Career Center, Related Studies lab and the assistant dean’s office.
- Technical Education Building No. Two, built in 1963, houses the departments of collision repair, cosmetology, practical nursing and automotive technology.
- Technical Education Building No. Three, built in 1966, and renovated in 1996, houses laboratories and classrooms of the departments of precision manufacturing and machining technology, heating, air conditioning, and refrigeration technology, welding and cutting, automotive technology, and EMT paramedic.

**Tunica Building**, completed in 1975 and renovated in 1994, is a two-story building housing the Division of Business. This facility is also the home of Adult Basic Education and Tate County Literacy Council on the second floor.

**The Physical Science Complex** is a multi-story, two building facility. The *Physical Science Building*, built in 1984, houses classrooms and laboratories for chemistry and physics, as well as private faculty offices for those departments. The *Mathematics and
Biological Science Building, completed in 2009, adjoins the original Physical Science Building through a common lobby and 150 seat raised-floor lectorium. The new structure includes six state-of-the-art biology laboratories, nine multimedia-ready classrooms, and three computer labs, as well as private offices for the mathematics and biology faculty. As part of the 2009 addition, a detached greenhouse was added to provide a location for a variety of local and exotic plants to be grown throughout the year.

College Summer School Program

The summer session consists of two terms of approximately five weeks each during which courses are offered in the academic and career-technical fields. Students may earn up to 14 semester hours of college credit during summer sessions, with no more than six virtual hours.

The summer session is planned for students who wish to accelerate their program of study, students who need to make up deficiencies, and freshmen who consider that the summer session is a good time to begin their college education.

Admission requirements, regulations, and academic standards for the summer sessions are the same as those of the regular term.

Online Learning

Northwest offers students the option of taking many college courses online. Students can choose to earn select degrees totally online. Online courses were developed to increase access to Northwest courses for adults and other students who cannot attend campus-based classes due to work, family responsibilities or distance from campus. Students who are current or former Northwest students can enroll in online courses after consulting with their adviser. New students must first apply for admission to the college. Registration for online courses is conducted at the same time as for campus-based courses. Northwest is a part of the Mississippi Virtual Community College System, which gives students more online course options. All degrees that can be attained fully online are listed below. A complete listing of online courses is available through the MSVCC website at http://www.msvcc.org or by going to http://www.northwestms.edu and clicking on the eLearning page. The eLearning office is located on the second floor in Tate Hall.

Majors that can be earned fully online are:
* Accountancy—see page 90
* Business Administration—see page 91
* Business and Computer Teacher Education—see page 92
* Marketing Communications/Public Relations Management—see page 95
* Office Administration—see page 96
* Elementary Education—see page 98
* Secondary Education—see page 103
* Criminal Justice—see page 110
* General College—see page 111
* Psychology—see page 112
* Pre-Social Work—see page 113
* Outdoor Recreation and Management—see page 133
* Health-care Data Technology—see page 148
* Microcomputer Technology—see page 149
* Office Systems Technology—see page 150
* Paralegal Technology—see page 164
Compliance Policy

In compliance with Title VI of the Civil Rights Act of 1964, Title IX, Education Amendments of 1972 of the Higher Education Act, and Section 504, Rehabilitation Act of 1973, the Board of Trustees of Northwest Mississippi Community College hereby adopts a policy assuring that no one shall, on the grounds of race, sex, color, creed, national origin, or disability, be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination in any program or activity of the college. Northwest complies with all applicable laws regarding affirmative action and equal opportunity in all its activities and programs and does not discriminate against anyone protected by law because of age, creed, color, national origin, race, religion, sex, disability, or status as a veteran or disabled veteran.

Institute Compliance Coordinator: Gary Mosley
Affirmative Action Officer: Gary Mosley
Section 504 Coordinator: Michael Dottorey
Drug Prevention Coordinator: Meg Ross
Senatobia, MS 38668
Phone (662) 562-3200

Complaint and Grievance Procedures

Title IV of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973 as well as Northwest policy prohibit institutional discrimination against students on the basis of race, sex, color, creed, national origin or disability. Students who have reason to believe that their rights under law or campus policy have been denied in such areas as admissions, financial assistance, employment, residence hall assignment, disciplinary actions or other campus matters may seek to resolve them in the following manner:

1. Address a written statement to the Vice President for Student Affairs setting forth the grievance and the remedy sought. Students (particularly those enrolled in eLearning or other distance learning programs) may submit the statement through electronic mail.

2. The Vice President will forward a copy of the grievance to the appropriate individual within five working days of receipt of the statement.

   A. If a complaint raises an academic question, it will be forwarded to the Dean of the appropriate academic division.

   B. If the complaint raises a nonacademic matter, it will be forwarded to the administrative head of the appropriate unit.

3. Within five working days after receipt of the statement, the Dean or Administrator shall make initial contact with the complainant. The Dean or Administrator may receive both oral and written presentations and may make independent inquiry. Within fifteen working days after the initial contact or meeting, the Dean or Administrator will make a decision as to the merits of the student’s grievance. A copy of the decision will be sent to all parties of the statement and the Vice President for Student Affairs.

In the event that the student is not satisfied with the resolution of the grievance, appeal may be made to the Vice President responsible for the Unit or Division involved, and then to the President.

Members of the public wishing to file a complaint should do so with a member of the President's Cabinet, which is composed of the senior administrators of the College. A list of members may be obtained from the President’s Office or from any Vice President.
Drug-Free School Policy in Compliance with the Drug-Free Schools and Communities Act of 1989

The college prohibits the unlawful possession, use, manufacture, or distribution of alcohol or controlled substances by students and employees in buildings, facilities, grounds, or property controlled by the college, or as part of college activities. Controlled substances include but are not limited to, marijuana, cocaine, cocaine derivatives, heroin, amphetamines, barbiturates, LSD, PCP, tranquilizers, and inhalants.

The college is committed to a program to prevent the abuse of alcohol and the illegal use of controlled substances and/or alcohol by students and employees.

Any student or employee of the college found on college property or at college-sponsored events to be abusing alcohol or using, possessing, manufacturing, or distributing controlled substances or alcohol in violation of the law shall be subject to disciplinary action in accordance with applicable policies of the state and the college. Such disciplinary action includes, but is not limited to, expulsion, termination of employment, referral for prosecution and/or completion, at the individual’s expense, of an appropriate substance abuse assistance or rehabilitation program.

More complete information on applicable local, state, and federal laws will be maintained in several offices on the Senatobia campus: the Vice President for Student Affairs, the Counseling Center, and the Campus Police. The Deans of the DeSoto Center and the Lafayette-Yalobusha Technical Center will maintain the applicable information in their offices. Copies of the Drug-Free Workplace Certification Policy (for employees) and the Drug-Free School Policy (for students and employees) are available in the Policy Manual and/or the current college Student Guide.
STUDENT ACTIVITIES & SERVICES
STUDENT ACTIVITIES AND SERVICES

Student Government Association

An important objective of Northwest Mississippi Community College is the training of the students for citizenship in democracy. The college recognizes that effective citizenship training involves participation in government and the assumption of certain civil responsibilities. To help accomplish this training, student representatives are requested to serve on a variety of college ad-hoc and standing committees. By serving on committees, students not only receive excellent educational experiences, but also enjoy the opportunity to become a voice for the student body in the organization and operation of the college’s educational programs. Student Government organizations are formed on each campus to facilitate student involvement in College decision making.

Clubs and Organizations

In an effort to promote a broad range of educational experiences, the college provides a variety of clubs and organizations for participation by both students and faculty. Many clubs and organizations recruit membership from students with interests in specific areas.

No student groups, clubs, or organizations may hold meetings on Northwest campuses without being recognized by the college. Each year their functioning is dependent on sponsorship and student interest. A list of student organizations and student organization regulations are available in the Student Guide.

Northwest is a state-supported institution and is therefore non-sectarian. Students are however encouraged to develop spiritually through religious opportunities provided both in the community and on campus. Students are invited to participate in the activities of a number of campus religious organizations. More information about these organizations can be found in the Student Guide.

Fine Arts Organizations

Northwest Concert Band
This group is composed of selected students who desire to play the best instrumental music and who desire to become more proficient in the use of instruments. It is a service organization for those who plan to major in instrumental music, and it provides an opportunity for students in other major fields to continue the enjoyment of instrumental playing. Participation is by audition and is open to full-time college students only.

Northwest Entertainers
The Northwest Entertainers is a select group of singers chosen from the Northwest Singers by highly competitive auditions. Participants wishing to receive scholarships must be full-time students and are expected to maintain an above average scholastic standing. All participants must be enrolled in both Northwest Singers and Entertainers for academic credit. It is not mandatory that the student be classified as full-time, except for those on scholarship.
Northwest Jazz Band
Open to Northwest students who wish to participate in a musical group emphasizing jazz and show tune styles of music, the Jazz Band performs at basketball games and at other college activities. Participation is by audition and is open to full-time college students only.

The Northwest Rangerettes
The precision drill and dance team accompanies the Ranger Band in performances at football games and in public appearances throughout the state. Membership is determined by tryouts held in the spring and summer. Participation is open to full-time college students only.

Northwest Singers
The Northwest Singers is an all-purpose choral ensemble which is open to anyone who wishes to broaden the scope of his musical horizons. All participants must be registered for academic credit, though it is not mandatory that the student be classified as full-time, except for those on scholarship. Membership is determined by audition and is entirely at the discretion of the director.

Ranger Band
The Northwest marching band is open to any full-time student by audition. Its purpose is to provide color and atmosphere for athletic and community events and to promote and enhance the dignity and reputation of the college. Scholarships are available to qualified students.

Speech and Theatre Productions
In keeping with our mission to generate interest in theatre at Northwest and in the community itself, the Speech and Theatre Department encourages participation from area residents as well as students, faculty, and staff.

In addition, the department strives to enrich creativity and skills of actors and technicians by including guest artists in some productions. Participation is by audition only.

Athletics

Intercollegiate
Northwest Mississippi Community College provides the opportunity to compete in various sports on the intercollegiate level. Varsity sports which are available for participation include: football, basketball (men's and women's), baseball, golf, rodeo (men's and women's), soccer (men's and women's), women's softball and tennis. Northwest is a member of the Mississippi Community/Junior College Association and the National Junior College Athletic Association. Rodeo is a member of the National Intercollegiate Rodeo Association.

Intramurals
Intramural sports offers recreational and competitive sports activities on the Senatobia campus throughout the school year.

All students are invited and are encouraged to participate in these activities which include volleyball, basketball, softball, flag football, tennis, table tennis, billiards, card games, kickball, dodge ball, pickle ball, badminton, horseshoes, ultimate frisbee and others.

Regularly enrolled students are eligible to participate in intramural sports except those students who are members of related varsity teams.
Student Publications

The Ranger Rocket – The student newspaper is published monthly during regular academic sessions by students at the college under the direction of advisers. A student editor heads the publication, and staff membership is open to all students with special interests in writing, layout and design, advertising, photography, production, or management. The newspaper is available online at the college website.

Mississippi’s first junior college newspaper, The Ranger Rocket has been successful in state competition, and students have won individual honors for their journalistic endeavors. The publication is a student member of the Mississippi Press Association.

Rocketeer – The Rocketeer is the yearbook published by students under the guidance of faculty advisers. The book gives a view of college life as it is enjoyed by the student body and Northwest personnel. A student editor, photographers, layout and design technicians and writers comprise the Rocketeer staff. The yearbook is available to full-time students 30 days after its delivery date, or as long as supplies last.

Library/Learning Resource Center

The Learning Resource Centers of Northwest provide services that enhance the learning experience of students, faculty and staff at campuses in Ashland, Oxford, Senatobia and Southaven. Students at Northwest may access information in a variety of formats on campus or online for both the academic and career-technical programs.

All libraries are wireless and encourage laptop use. They also offer computer labs and areas for studying, reading, viewing, and/or listening to audio-visual materials. Professional librarians provide orientation to all English Composition I classes, but class-specific orientations are also available for nursing, psychology, history, speech, etc.

All students (including online) may access the library webpage for books, e-books and databases that contain articles either in magazine, journal or e-book format. Students may contact a librarian by phone, text or chat-line. During closed hours a librarian is available via the Ask-A-Librarian service.

R.C. Pugh Library is the headquarters library located in Senatobia. Lafayette-Yalobusha Technical Center library is located in Oxford with helpful librarians who guide students through the registration and clearance process. DeSoto Center library occupies more than 6,000 square feet on the first floor of the DeSoto Center. Benton County/NWCC Vo-Tech Center located in Ashland does not have a physical library in the facility. The nursing program houses current books and journals on a shelf accessible to all students during their term in the program. Additional access is through the public library with a Cooperative Library Lending Agreement between Bond Memorial Library and Northwest allowing borrowing privileges to students, instructors and the community.
Northwest Mississippi Community College Foundation

Incorporated in 1975, the Northwest Mississippi Community College Foundation operates exclusively for the benefit of Northwest and its students, alumni, faculty, and staff. The primary responsibilities of the Foundation are to foster community relations and to raise funds from private sources for the support of educational, scientific, literary, research, and service activities provided by Northwest. The Foundation is an independent, nonprofit, tax-exempt corporation founded for the purpose of soliciting, receiving, managing, and disbursing gifts and donations of every type for the use and benefit of the college. Contributions to the Foundation are tax deductible.

Alumni Association

The Northwest Mississippi Community College Alumni Association is dedicated to keeping in touch with alumni and friends and supporting Northwest. Graduates, other former students, former and present faculty, staff members, and friends are eligible for membership in the association. The annual dues are $5 per person or $8 per couple. Lifetime dues are $30 per person or $50 per couple. Dues may be mailed to the Alumni Affairs Office. Portions of the Alumni Association dues are used to fund The Alumni Association Endowed Scholarship.

The association serves as a union between the college and its alumni, faculty, and friends. The purpose of the association is to help make our college aware of the educational needs of the people within the community college area and to give support through scholarships, gifts, and otherwise advance the educational and scientific work of the college.

The Alumni Association Board is comprised of a president, vice president, secretary-treasurer, and 13 directors (one from each of the 11 counties supporting Northwest and two at-large). Regular meetings shall be held at least twice each year with the regular alumni business meeting and election of officers being held in conjunction with Homecoming Alumni Day.

Alumni Office, Events and Projects

The Alumni Affairs Office, located in the basement of the James P. McCormick Administration Building, is a joint operation of the college and the association. The Alumni Affairs Office maintains a computerized file of names and addresses of alumni and friends, arranges Homecoming activities, organizes reunions, coordinates meetings of alumni groups, publishes the Northwest Now magazine in conjunction with the Northwest Foundation and the Communications Department, honors 50-year alumni classes, and organizes one spring event.

Counseling, Testing and Career Planning Services

Through the Northwest Student Development Centers a variety of services are offered to students, prospective students, college personnel, and graduates. Professional counselors are available for academic and career-technical advising, personal
counseling, testing, and career development. The Student Development Center on the Senatobia campus is located on the first floor in Tate Hall. The Beverly Brewer Stark Career Center is located in Room 15/17 in Technical Education Building One. Counseling services are also available at the Northwest campuses in Oxford, Ashland, and Southaven.

The goal of the Student Development Center is to help students benefit from the personal, social, vocational and educational opportunities available to them. These services include: career and academic counseling, individual and group counseling, crisis intervention, retention, testing and disability support services.

All information provided to the Student Development Center is confidential consistent with Center policies.

Disability Support Services

Disability Support Services are available to students with a documented disability. These services may include tutoring, large print or Braille tests and instructional materials, mobility assistance and other necessary materials or assistance. Requests for disability assistance should be made no later than six weeks prior to the start of a semester or summer session.

Beverly Brewer Stark Career Center

Located in the Tech I Building, Room 15/17, the Career Center provides information for the graduating student as well as the student without a career plan. The Center is staffed with a professional career counselor to work with students in groups and individually. The Center operates a comprehensive program which includes identifying career goals, developing or implementing career education plans, assessments, career exploration, mock interviewing and assistance with resumes, as well as college transfer information and workshops.

Student Support Services Program

The Student Support Services Program, located on the second floor of the Student Union, is federally funded by the U.S. Dept. of Education to provide free tutoring services in most subjects; advice and assistance in course selection; information on financial aid and assistance completing the FAFSA; education and/or counseling services on financial literacy and financial planning; assistance in applying for admission and financial aid to four-year universities; individual counseling for personal and academic matters; career information, activities and instruction on career options; exposure to cultural events; peer mentoring; and scholarships.

In order for a student to qualify for the Student Support Services Program, the student must have an academic need and be enrolled full time. Students must also meet one of three other qualifications: have a documented physical or learning disability, receive a Pell Grant or be a first generation college student.

Related Studies Laboratory

The Related Studies Lab, located in the Tech I Building, is a basic skills improvement facility for all career and technical students who score below the eleventh-grade level on the Test of Adult Basic Education (TABE) in the areas of reading, mathematics, and
language, or who score 14 or below in the areas of reading and English and below 18 in math on the ACT.

All career students are required to attend the Related Studies Lab, and technical students attend on a volunteer basis, unless otherwise required to attend by an instructor. All work is done on an individualized basis, with work prescribed in deficient areas by the Related Studies Lab director.

**Career-Tech Education Support Services**

CTE Support Services provides services on all Northwest campuses to the following groups of students: the economically and academically disadvantaged, limited English proficiency, non-traditional by gender, criminal offender, disability, single parent, and displaced homemaker. Services include instructional aids and devices, remediation, adaptive equipment, integration of academic and career education, career evaluation and assessment, career education activities, curriculum and classroom modifications, and assistance to overcome any other identified barriers to success.

**Technology Resources**

Computing facilities are provided to students, faculty and staff for educational and administrative activities. These facilities provide computing resources and Internet accessibility for outside assignments given in the classroom. Internet access is also provided in the residence halls on the Senatobia campus. In addition, wireless Internet access is available on all campuses to students who have their own computers. Students are assigned a Northwest email account and given space on the network to store coursework or any other classroom assignments upon completing their registration. Students may also access personal information such as course absences, grades, and fee information through the Student Web Portal on the Northwest Web site. All students, faculty and staff must utilize these systems in an efficient and legal manner. Use of these facilities and resources must be consistent with Northwest’s Acceptable Use Policy for Computing as described in the Northwest Student Guide.

The computing facilities provided are located in the Libraries/Learning Resource Centers on each campus. There are also facilities on the second floor of the McLendon Center on the Senatobia campus. A Help Desk is located in the McLendon Center lab for students using the facilities as well as to assist faculty and staff.

**Residence Halls**

Residence halls are provided by Northwest Mississippi Community College for the convenience of students who cannot or do not wish to commute on a daily basis. Residence hall life often makes for a fuller and richer college experience for students. Our mission is to first serve the residents of our eleven-county district and then the other residents of the state of Mississippi. Northwest does not offer campus housing to out-of-state students due to demand from in-district and in-state students (exceptions are made for scholarship athletes and special programs).

Northwest operates nine residence halls housing approximately 1,065 students. Residence halls are available only to students who take a full academic, career, or technical course load (excluding virtual classes) and who attend class regularly. Students must also meet the grade point requirement for residence students. Students are limited to six semesters (not including summer sessions) to reside in the residence halls. All residence hall policies are described in the Student Guide.
Students who wish to apply for housing should obtain a residence hall application from the Housing or Recruiting offices and return the application to the Housing Office, located on the first floor in Tate Hall, with a deposit of $100 for Benton, DeSoto, Marshall or Tallahatchie halls or $50 for all other halls. The deposit is refundable under certain circumstances as described in the Student Guide, less a $25 cancellation fee.

Health Services

Northwest Mississippi Community College does not have an established health center or a health nurse. Students who are sick or injured should contact Campus Police or the Director of Campus Life on the Senatobia campus or the Dean at the other campuses for assistance.

Students who need professional care or treatment are referred to local physicians or to the local hospital. In emergency situations, the college will obtain the services of Emergency Medical Services and then contact parents or nearest relatives. Expenses for professional care or treatment are the responsibility of the student.

Food Service

Northwest offers its resident students and other students, faculty, staff, and visitors a full-service menu in the David M. Haraway Center on the Senatobia campus. The food service includes a food court that operates on a modified a la carte basis, as well as a catering service.

All housing or resident students are required to purchase a meal plan. Meal plans are also available for commuting students and faculty/staff. (See page 45 for more information.)

Food court hours are as follows: 7 a.m. to 6:30 p.m. Monday through Thursday, from 7 a.m. to 1 p.m. on Fridays, and for scheduled brunches and dinners on Friday evenings and weekends. Hours are subject to change with notice.
ADMISSIONS

NORTHWEST
MISSISSIPPI COMMUNITY COLLEGE
Requirements for Admission

Implementation of specific admission policies is the responsibility of the administration and faculty of the institution. Northwest Mississippi Community College subscribes to an “open admissions” policy consistent with all appertaining laws. The College embraces the philosophy that students be provided the opportunities for learning experiences, e.g., developmental courses, counseling, tutorial assistance, etc., that will help the individual students succeed in achieving their educational goals. Further, the College utilizes relevant diagnostic instruments to determine the strengths and needs of students in order to assist them in selection of the most appropriate program options. There are no programs at Northwest designed for transfer to senior institutions that require a minimum ACT score for admission.

Admission Procedures

Admission forms may be secured from the Registrar’s Office on the main campus or from any of the Northwest Center locations. The following items must be on file in the Registrar’s Office on the main campus before registration.

1. A completed application for admission.
2. An official copy of a transcript from an accredited high school that includes a graduation date and signature of school official.
3. An official copy of GED scores (if applicable).
4. An official copy of college or military transcript(s) from ALL colleges attended.
5. An official copy of ACT or SAT scores (ACT required for Mississippi residents).

When all required documents have been submitted, the student will be sent a Certificate of Admission.

NO TRANSCRIPTS CAN BE FORWARDED TO OTHER INSTITUTIONS UNTIL ALL NECESSARY ADMISSION INFORMATION IS RECORDED IN THE REGISTRAR’S OFFICE.

Dual Enrollment

High school students may attend Northwest simultaneously provided all of the following requirements are met:

1. Student must have achieved junior status (students below junior status but with a composite ACT of 30 or the equivalent SAT score are eligible for dual enrollment).
2. Must have an unconditional written recommendation from their high school principal and/or guidance counselor. A home-schooled student must submit a parent, legal guardian, or custodian’s written recommendation to meet the requirement of this paragraph.
3. For additional information regarding Dual Enrollment courses taught on high school campuses, please contact the Associate Vice President for Educational Affairs.
Early Admission

Students who withdraw from high school may attend Northwest under “early admission” if all of the following requirements are met:

1. Must have completed a minimum of fourteen (14) core high school units.
2. Must have a 3.0 grade point average on a 4.0 scale, or better, on all high school courses as documented by an official high school transcript; a home-schooled student must submit a transcript prepared by a parent, guardian, or custodian with a signed, sworn affidavit to meet the requirement of this paragraph.
3. Students must have an unconditional written recommendation from their high school principal and/or guidance counselor. A home-schooled student must submit a parent, legal guardian, or custodian’s written recommendation.
4. Must have a minimum ACT composite score of twenty-six (26) or the equivalent SAT score.
5. The principal or guidance counselor of the student must recommend in writing that early admission is in the best educational interest of the student. The recommendation shall also state that the student’s age will not keep him from being a successful full-time college student.

Home-Schooled Students

Home-schooled graduates will be considered for admission if they have completed the required number of high school units to graduate in their state of residence at the time of graduation. If there are specific courses required for high school graduation, the student must have satisfactorily completed these courses, also. An official transcript is required from a recognized home school agency and signed by an official of that agency. An official transcript signed by a parent must show all courses completed, grades earned, and total number of units. In addition, parents must submit a notarized, sworn affidavit stating that the student’s record is accurate and complete. Home-schooled students must satisfy all other admission requirements pertaining to the different categories of admission.

Adult Students

A student 21 years of age or older at time of registration is not required to submit ACT or SAT scores unless that student’s major program requires a certain score on the ACT or SAT for admittance. However, a student without ACT/SAT scores will be required to take the Northwest placement tests in English, math and reading before being allowed to register for classes (unless he or she is registering for a program that requires no academic classes at all).

Foreign Students

Northwest Mississippi Community College is not authorized to complete the required I-20 Form of the Immigration and Naturalization Service for nonimmigrant students. Consequently, Northwest does not recruit or admit nonimmigrant students. Any student who is not a United States citizen must present proof that they are a permanent resident of the United States.

Disabled Students

Northwest Mississippi Community College complies with all applicable laws regarding affirmative action and equal opportunity in all its activities and programs and does not discriminate against anyone protected by law because of disability. No disabled person is, on the basis of the disability, excluded from participation in, or denied the benefits of, any program, employment, or activity at the college. Dis-
ability Support Services are available to students with a documented disability. These services may include tutoring, large print or Braille tests and instructional materials, mobility assistance and other necessary materials or assistance. Requests for disability assistance should be made no later than six weeks prior to the start of a semester or summer session. Assistance in completing the application process will be provided for disabled persons.

Transfer Students
A transfer student is defined as one who has hours attempted on his permanent record at another institution. Transfer students must have an official transcript sent from each post-secondary institution previously attended. Failure to report all colleges previously attended may result in dismissal deemed by the Admissions Committee of Northwest Mississippi Community College.

Transfer students seeking admission to Northwest who are on “academic probation” from another college or university will be accepted on “academic probation” and will be governed by regulations applied to Northwest students on probation. Transfer students who are on disciplinary probation, suspension, dismissal, or expulsion from a prior institution must disclose this status to the Registrar. This status will be considered in the admissions process. Failure to disclose such status prior to admission may result in dismissal from Northwest.

Transfer Credit
Credit earned at other regionally accredited institutions may be considered for credit by Northwest Mississippi Community College according to the following policies:

- Official transcripts reflecting all completed coursework must be sent directly to the Registrar's Office from the issuing institution.
- Transfer credit will be evaluated when a student declares the intent to seek an associate’s degree from Northwest. In this case, the faculty adviser, in consultation with the Registrar, assesses and recommends the courses which should apply toward degree requirements. Any courses accepted for transfer must have curriculum validity and be determined equal to those same courses at Northwest.
- Credit hours are adjusted to the Northwest semester hour scale for students who transfer from other accredited postsecondary institutions.
- If a student transfers from another institution and intends to graduate from Northwest with an associate's degree, at least 27 hours must be completed at Northwest in the area of study.
- Courses will be transferred as credits only, and the transfer grades will not be used in calculating grade point averages.
- The Registrar has final authority regarding the acceptance of credit.

Credit by Examination
Northwest Mississippi Community College will allow students to earn credit by examination under one or more of the following programs up to a total of eighteen (18) semester hours.

College Level Examination Program (CLEP) Policy
Northwest awards academic credit through the College Level Examination Program (CLEP) only on Subject Examination. The following requirements govern awarding of this credit:
1. The student must be enrolled at Northwest and have completed fifteen (15) semester hours.
2. The student must have a scaled score of 50 or above.
3. The course must correspond to a course in the current college Bulletin.
4. The credit must be limited to a total of eighteen (18) semester hours and may not be counted toward the residency requirement for graduation.
5. To obtain credit in English Composition, the student must write an acceptable essay on a test administered and graded by the Department of English at Northwest.
6. Use of CLEP credit in a Northwest degree program is subject to the approval of the Vice President for Educational Affairs and appropriate Division Director.

The awarding of CLEP credit is administered by the Registrar. Accepted credits are recorded on the student’s transcript and may apply toward the meeting of the requirements for graduation. No grades or quality points are given for CLEP credits. Therefore, such credits are not used in the computing of grade point averages.

**Advanced Placement Program**

Students enrolling at Northwest Mississippi Community College will be allowed credit on the Advanced Placement Examination administered by the College Entrance Examination Board and sponsored by participating high schools. A maximum of eighteen (18) semester hours with no more than six (6) in one subject area may be allowed. Credit will be awarded only for minimum scores of three (3) or more. For an Advanced Placement score of 5, a maximum of six (6) hours will be awarded. Credit will be awarded only for courses currently listed in the college Bulletin.

The awarding of credit is administered by the Registrar. Accepted Advanced Placement credits are recorded on the student’s transcripts and may apply toward the meeting of the graduation requirements. No grades or quality points are given for Advanced Placement credits. Therefore, such credits are not used in the computing of grade point averages.

**Acceptance of Military Credit**

Credit may be granted to those applicants who enroll and upon submission of either D.D. form 295 or D.D. form 214 which indicates a period of continuous active duty for at least 90 days. Up to four semester hours of physical education credit may be granted for basic training, if physical education is required in the student’s major program. Additional credit for training in formal service schools will be granted on the basis of recommendations published in *A Guide to the Evaluation of Educational Experiences in the Armed Services* in so far as the recommended credit can be evaluated as being equivalent to a specific course at Northwest Mississippi Community College. The maximum credit allowed from this source is twenty-four (24) semester hours. No quality points will be awarded nor will the credits be used in calculating the student’s grade point average.

Students planning to transfer to another college should familiarize themselves with the admission policies of that institution.

Northwest reserves the right to cancel the admission or registration to the college (or to any specific program of the college) of any individual whose attendance at the college, in the opinion of the Admission Committee, would not be mutually beneficial to the student and to the college.
General Admission Requirements
A student entering Northwest Mississippi Community College for the first time may enter by one of the following methods:

1. High school graduate, (diploma)
2. Non-high school graduate with a total of 23 acceptable units earned in high school, three of which must be in English.
3. Successfully passing the General Education Development Test (GED) at the high school level.
4. Transfer from another college or university.
5. Students who have received a Certificate of Attendance from high school, or have a tenth grade equivalence (9 1/2 academic units) and are at least 18 years of age may enroll in two career programs—Collision Repair and Welding and Cutting—if they successfully complete the CPT/ACCUPLACER test to show “ability to benefit.”

Students who have received a High School Diploma or GED whether receiving any financial aid or not should follow regular admission policies.

No specific ACT score is required for admission unless the student’s major program requires a certain score.

Admission to Particular Divisions of the College
In compliance with the amended Section 43-11-13, Mississippi Code of 1972, effective January 1, 2004, all students enrolled in allied health programs are subject to criminal background checks before being allowed to provide patient care. This includes, but is not limited to, students enrolled in associate degree nursing, practical nursing, respiratory therapy, cardiovascular technology, EMT, surgical technology and paramedic programs.

(1) Admission to the Associate Degree Nursing Program
See page 114 for special admissions requirements

(2) Admission to Technical Programs
Admission standards for a full-time or part-time technical student are the same as regular admission requirements. Students must be a high school diploma graduate, present 19 acceptable units, or have satisfactory scores on the GED. ACT scores are also required.

AGRICULTURAL TECHNOLOGY/JOHN DEERE TECH – see page 143
AUTOMOTIVE TECHNOLOGY/MOPAR COLLEGE AUTOMOTIVE PROGRAM (CAP) – see page 144
AVIATION MAINTENANCE TECHNOLOGY – see page 145
CARDIOVASCULAR TECHNOLOGY – see page 151
RESPIRATORY THERAPY – see page 166
FUNERAL SERVICE TECHNOLOGY – see page 156
EMT-PARAMEDIC – see page 154
GRAPHIC DESIGN TECHNOLOGY – see page 158
HEATING, AIR CONDITIONING AND REFRIGERATION TECHNOLOGY – see page 159
INDUSTRIAL ELECTRONICS ENGINEERING TECHNOLOGY – see page 161
PRECISION MANUFACTURING AND MACHINING TECHNOLOGY – see page 165
SURGICAL TECHNOLOGY – see page 168

(3) Career Programs with admission requirements that vary from the normal procedure are as follows:
COLLISION REPAIR TECHNOLOGY – see page 170
COMMERCIAL TRUCK DRIVING – see page 169
COSMETOLOGY – see page 171
COSMETOLOGY INSTRUCTOR TRAINEE PROGRAM – see page 172
EMERGENCY MEDICAL TECHNOLOGY-BASIC – see page 155
HEALTH CARE ASSISTANT – see page 173
PRACTICAL NURSING (PN) – see page 174
WELDING AND CUTTING – see page 175

(4) Admission to Evening School Program
Admission to academic work offered in addition to the regular schedule of classes is the same as regular admission. High school graduation, 20 acceptable units, or satisfactory GED scores are necessary if students desire credit.
TRANSCRIPTS OF STUDENTS EARNING CREDITS CANNOT BE forwarded to other institutions until all necessary admission information is recorded properly in the admissions office.

Student Records
POLICY REGARDING WHAT CONSTITUTES A STUDENT'S PERMANENT FILE
The Office of the Registrar keeps a record of academic achievement at the College, transfer transcripts, and test scores. After an application for admission and all necessary transcripts and test scores have been received, the Registrar’s Office creates two files for the student: a computerized file and a permanent hard-copy file.
THE COMPUTERIZED FILE. The computerized record contains a current transcript of grades, enrollment status (full or provisional), and schedule changes (drop-add). Application materials (such as name, social security number, address, etc.) and ACT/SAT scores are entered into the computer.
THE PERMANENT FILE. The permanent file contains hard copies of such items as application materials and transcripts of grades. Items that must be kept in the permanent file include the original application for admission, high school transcript or GED certificate, and official ACT/SAT score report. Items that also may appear in the permanent file include correspondence from the student or from high school counselors.
or teachers, probation/dismissal letters, college transcripts or letters of good standing. Hard copies of Drop-Add/Schedule Change forms and Withdrawal forms are not kept in the permanent file. They are kept in a separate file in the Registrar’s Office.

**POLICY REGARDING RETENTION AND DISPOSAL OF STUDENT RECORDS**

This policy is published in the policies and procedures manual for the Registrar’s Office. The procedures for retention and disposal of student records vary according to what records are being handled.

THE COMPUTERIZED FILE. Current computer records are kept on the main computer (a mid-range computer) in the Computer Center on the second floor of the James P. McCormick Administration Building. These records include those from the fall of 1983 to the present. Computer records from before the fall of 1983 are kept on compressed disks. No computer records are ever destroyed, erased, or purged.

THE PERMANENT FILE. Permanent files from 1990 to present are kept in filing cabinets in the Registrar’s main office. Permanent files before 1990 are kept in the Registrar’s Office’s vault. Hard copies of Drop-Add/Schedule Change forms and Withdrawal forms are not kept in the permanent file. They are kept in a separate file in the Registrar’s Office. No permanent files are destroyed or purged.

DROP-ADD AND WITHDRAWAL FORMS. Hard copies of Drop-Add/Schedule Change forms and Withdrawal forms are not kept in the permanent file. They are kept in a separate file in the Registrar’s Office. Current forms are kept in the Registrar’s Office. Forms older than five years are destroyed.

GRADES. Grades are entered into the computer system by the faculty. When grades are posted to the student’s file, a backup is created in the computer system. The Office of the Registrar has access to grades through the College computer system.

**Academic Restart**

Academic Restart Policy: Upon proper request and subsequent approval, all of the student’s previous grades (Academic, Career, and/or Technical) at Northwest Mississippi Community College will be removed from consideration in calculating their overall GPA and for graduation purposes. Conditions are as follows:

A. The student must complete a “Declaration of Academic Restart” request and submit the completed form to the Registrar at the Senatobia campus.

B. The former Northwest student must not have attended any post-secondary educational/career institution for at least 48 consecutive months prior to the “restart” of enrollment.

C. “Academic Restart” can be declared only once at Northwest Mississippi Community College.

D. Once “Restart” has been declared, discounted work will not be considered toward calculating GPA from that date forward. No work will be removed from student academic records; the following notation will be made at the point where the new work begins for graduation purposes and for purposes of calculating GPA: “‘Academic Restart’ was declared for the ______ semester. Hours attempted prior to that semester are not a part of the overall GPA calculation.”

E. Students will be advised that other colleges/universities to which they may transfer may or may not honor the change in GPA resulting from a declaration of “Academic Restart.”
F. If “Academic Restart” is requested and conditions are met, the student will be allowed to attend one semester of “provisional” status. Students in the academic restart program must maintain a grade point average (G.P.A.) of 2.50 or higher in order to continue enrollment. During that time of “provisional” status enrollment, the student must pay his/her tuition fees without any financial aid assistance. The student’s overall (past and current) academic performance will be used for determining Federal Financial Aid Assistance. Once a student’s overall academic average has met a 2.00 G.P.A., the student could regain financial aid assistance. The student must consult with the Financial Aid Director concerning his/her status.

G. “Academic Restart” may only be declared by those students who have previously been placed on “Academic Dismissal,” petitioned the Admissions Committee for re-admission, been reinstated, and failed to meet the conditional requirements set forth by the Admissions Committee for continued enrollment. NOTE: Academic Restart does not reset a student’s GPA or completion rate under Satisfactory Academic Progress (SAP) for financial aid purposes. All prior classes and previous GPA must still be considered when awarding financial aid per federal guidelines prohibiting “amnesty”.

Veteran Student Affairs

Northwest Mississippi Community College has a full-time staff member to help assist all veterans and others who are eligible for Veterans Administration assistance. The VA counselor serves a vital purpose in contacting eligible persons and helping them make proper application. Also, regular communication between the veteran and this counselor is necessary while the veteran is enrolled in Northwest. Questions concerning VA benefits, programs, and regulations should be forwarded to this address:

Director of Financial Aid
Northwest Mississippi Community College
4975 Hwy. 51 North
P.O. Box 7019
Senatobia, MS 38668

Please refer to www.northwestms.edu, Financial Aid, Veterans Affairs for instructions on using your VA Education Benefits at Northwest.

Veterans’ Standards of Progress

I. EXAMINATION OF RECORDS

School records and accounts pertaining to veterans and other eligible persons enrolled in Northwest Mississippi Community College are readily identifiable and available for examination by authorized representatives of the State and Federal Government. The academic record of veterans includes information relative to admission, grades, cumulative absences, transcripts, as applicable. These records are located in the Office of the Registrar. The Registrar is responsible for the maintenance of these records. Records pertaining to fiscal related matters such as accounts of veterans are located in the Business Office of Northwest Mississippi Community College. The Vice President for Fiscal Affairs is responsible for the maintenance of fiscal records.

All school records and accounts of veterans in attendance at Northwest are readily identifiable through the utilization of a current list of enrolled veterans which is supplied and revised by the Director of Financial Aid.
II. ENTRANCE REQUIREMENTS

To be accepted as a student at Northwest, the following items must be on file in the Office of the Registrar prior to registration:

1. A completed application for admission,
2. An official copy of ACT scores,
3. A complete high school and/or college transcript or GED scores, when applicable.

The student will be notified as to admission status as necessary information is received in the Office of Admissions and Records. When all required material is on file in the office, the applicant will be sent a Certificate of Admission which must be shown when the student begins registration.

It is the sole responsibility of the veteran to ensure expeditious completion of admission requirements. Failure to provide required admission material will necessarily cause a delay in the processing and securing of financial assistance afforded eligible veterans.

III. PREVIOUS EDUCATION AND TRAINING RECORDS

Transcripts of previous education and/or training must be on file in the Office of Admissions and Records prior to the completion of an Enrollment Certificate by the Director of Financial Aid. Evaluation of credit earned through previous education or training will be made by the Registrar. A copy of the evaluation will be forwarded to the Director of Financial Aid who will report the credit accepted in the veteran’s proposed major field of study. Post secondary transcripts and/or training records are attached to the permanent record card as maintained in the Office of the Registrar.

IV. PROGRESS RECORDS

A permanent record of grades earned, absences, grade point average, and courses taken is maintained in the Office of the Registrar. The unit of credit is the semester hour. A semester hour is an hour recitation in one subject once a week for 18 weeks. Most of the courses in the curriculum meet three hours per week and give three semester hours credit. The grading system at Northwest Mississippi Community College is as follows:

GRADE: A — B — C — D — F
QUALITY PTS. PER SEMESTER HOUR: 4 — 3 — 2 — 1 — 0

The permanent record at Northwest does include a final grade in each course attempted each semester of attendance. A “W” grade indicates withdrawal from a course or courses. The Registrar can verify dates of withdrawal in cases where it is not recorded on the permanent record. Northwest has a uniform course numbering system; therefore, re-enrollment in subjects from which withdrawal was made is evident on the record card. The number of absences in each course for each semester is recorded on the permanent record.

Veterans or eligible persons must meet the same standards of progress as outlined under Satisfactory Academic Progress Policy in this catalog. If these standards are not met during the probation period, the veteran or eligible person will not be eligible for further enrollment with VA benefits. No student will be considered to have made satisfactory progress when that student withdraws from all subjects undertaken when enrolled in two or more courses.

V. ATTENDANCE RECORDS

A grade book maintained by each instructor should be an accurate record of any days absent for any student. Proper administrative officials at Northwest will communicate
to all faculty the necessity of maintaining accurate attendance data on veterans and other eligible persons. All students are subject to the same policy if administrative action is taken because of excessive absences.

Note: Northwest does not offer a student “leave of absence policy.” If it should become necessary for a student to withdraw from his course of study during a semester, then the student must begin that semester’s course of study over.

VI. CLASS ATTENDANCE POLICY

Regular class attendance is a requisite for a student’s success in class and in future careers. When a student registers, that student accepts the responsibility of attending all classes and completing all class work assigned by the instructor. Beginning with the first class period, instructors will record absences at each class meeting and this information is entered in the student’s permanent record. The college reserves the right to sever its relationship with any student who incurs excessive absences. A student who misses an announced test or examination shall receive a “0” on the test or examination unless the instructor deems the absence to be of a justifiable nature.

VII. TARDIES

Students are expected to be prompt in class attendance. A student is counted absent from class if he or she misses more than 10 minutes of a class meeting. Three tardies constitute one absence.

VIII. REPORTS TO THE DEPARTMENT OF VETERANS AFFAIRS

The Director of Financial Aid is the Northwest official responsible for notifying the Department of Veterans Affairs concerning drops and withdrawals of eligible veterans. Information concerning drops and withdrawals will be reported as soon as the Director of Financial Aid is informed. The Registrar's Office will assist the Director of Financial Aid in connection with drops and withdrawals.

When a veteran or eligible person has completed a probation period and not earned the proper grade average, this person will be notified by Northwest Mississippi Community College.

School Officials Responsible for Veterans’ Records

<table>
<thead>
<tr>
<th>RECORDS</th>
<th>PERSON</th>
<th>TITLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>VA Related Records</td>
<td>Terry Bland</td>
<td>Director of Financial Aid</td>
</tr>
<tr>
<td>Admission and Grades</td>
<td>Larry Simpson</td>
<td>Dean of Enrollment Management/Registrar</td>
</tr>
<tr>
<td>Fiscal Related</td>
<td>Gary Mosley</td>
<td>Vice President for Fiscal Affairs</td>
</tr>
<tr>
<td>Disciplinary Records</td>
<td>Dan Smith</td>
<td>Vice President for Student Affairs</td>
</tr>
</tbody>
</table>

1 Northwest, in compliance with Privacy Rights of Parents and Students (45CFR Part 99) has developed a policy concerning the privacy of student records. A copy of the policy is available in the Registrar’s Office.

2 In cases of unusual circumstances, a student may be permitted to enroll at Northwest before taking the ACT. The student is required however, to sit for the ACT test during the first term of enrollment.

3 Determination of post secondary transcripts which are to be attached to the permanent record card shall be based on information provided on the Application for Admission.
FINANCIAL INFORMATION
The tuition and fees listed below are those known as of the printing of the *Bulletin*. Though the College strives to keep the necessary expenses of attendance to a minimum, it must maintain the right, upon approval of the Board of Trustees, to make necessary changes without reprinting this publication. All tuition and fees, not covered by completed Financial Aid, are due in full at the time of registration. Full-time, in-state students may take advantage of the College’s Deferred Payment Plan which carries a nonrefundable $25 service fee. To utilize this plan, students must provide the College with three checks at the time of registration. One of the checks, dated as of the date of registration, will be for one-half of the semester’s registration fees plus any unpaid prior balance. The remaining checks, dated the 15th of the following two months, will be for equal installments of the remaining balance. All three checks must be provided at the time of registration.

### GENERAL FEES

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Tuition (Full-Time per semester)</td>
<td>1,275.00</td>
</tr>
<tr>
<td>Out-of-State Fee (Full-Time per semester)</td>
<td>1,200.00</td>
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<tr>
<td>Part-Time</td>
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<tr>
<td>In-State - per semester hour</td>
<td>110.00</td>
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<tr>
<td>Out-of-State - per semester hour</td>
<td>210.00</td>
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### SPECIAL FEES

<table>
<thead>
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<tr>
<td>Deferred Payment Fee</td>
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<tr>
<td>Nursing Entrance Exam (KAP)</td>
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<tr>
<td>Nursing Testing Fee (per semester)</td>
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<tr>
<td>Automobile Registration Fee - first vehicle registered</td>
<td>no charge</td>
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<tr>
<td>Automobile Registration Fee - per additional decal</td>
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<tr>
<td>Replacement of ID Card</td>
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<tr>
<td>Room Deposit: Bobo, Gainey, Panola, Quitman, &amp; Taylor Halls</td>
<td>50.00</td>
</tr>
<tr>
<td>Room Deposit: Benton, DeSoto, Marshall &amp; Tallahatchie Halls</td>
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<tr>
<td>Books - estimated per semester*</td>
<td>600.00 to 800.00</td>
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<td>Residual ACT</td>
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<tr>
<td>Returned Check Fee</td>
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</table>

*Books and supplies for some programs may exceed this estimate.

PLEASE NOTE: All school fees must be paid before a transcript will be issued. Any balance from prior semesters must be paid by cash, money order, or certified check. Personal checks will not be accepted.
ROOM RENT IN RESIDENCE HALLS - PER SEMESTER

Benton Hall (Women) .............................................................. 700.00
Bobo Hall (Women) .................................................................. 600.00
DeSoto Hall (Men or Women) Standard ................................. 775.00
                                         Deluxe ................................. 825.00
Gainey Hall (Men) .................................................................... 600.00
Marshall Hall (Men or Women) ............................................... 775.00
Panola Hall (Women) ............................................................... 600.00
Quitman Hall (Men)............................................................ 525.00
Tallahatchie Hall (Men)............................................................ 700.00
Taylor Hall (Women)................................................................ 525.00

Gainey Hall or Bobo Hall—Summer Term Per Session 150.00

LUNCH AND BOARD

The food court operates on a meal credit system. Students have an account accessed by their ID card. Each account has meal credits based on the meal plan purchased. Students with a 15-meal plan receive a standard meal three times a day—breakfast, lunch, and dinner. Students with a 19-meal plan receive meals on the weekends. Students on the commuter plans receive either five lunches per week or three lunches per week based upon the plan purchased. There are no roll over credits.

PLAN A ..................................................................................... 1,000.00
PLAN B (required of all resident students) ........................... 875.00
PLAN C ..................................................................................... 350.00
PLAN D ..................................................................................... 250.00
PLAN E (Summer Term—Per Session) ................................. 275.00

TOTAL CHARGES COMBINED

<table>
<thead>
<tr>
<th>FEES</th>
<th>Commuting Students</th>
<th>Commuting Students</th>
<th>Resident Students</th>
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*See rates at top of page.
A. Residency Requirements – The college applies the following definitions as required by state law in the classification of students as residents or non-residents for the assessment of fees:

1. LEGAL RESIDENCE OF A MINOR. The residence of a person less than twenty-one (21) years of age is that of either parent. If both parents are dead, the residence of the minor is that of the last surviving parent at the time of that parent’s death, unless the minor lives with his or her legal guardian, duly appointed by a proper court of Mississippi in which case the residence becomes that of the guardian.

2. LEGAL RESIDENCE OF AN ADULT. The residence of an adult is that place where he or she is domiciled, that is, the place where he actually physically resides with the intention of remaining indefinitely or of returning there permanently when temporarily absent.

3. EFFECT OF REMOVAL OF PARENTS FROM MISSISSIPPI. If the parents of a minor who is enrolled as a student in an institution of higher learning move their legal residence from the State of Mississippi, the minor is immediately classified as a nonresident student.

4. ADMISSION OF MISSISSIPPI RESIDENT. No student may be admitted to any institution of higher learning as a resident of Mississippi unless his residence, as defined hereinabove, has been in the State of Mississippi preceding his admission.

5. RESIDENCE STATUS OF A MARRIED PERSON. A married person may claim the residence status of spouse or may claim independent residence status under the same regulations, set forth above, as an adult.

6. CHILDREN OF PARENTS WHO ARE EMPLOYED BY INSTITUTIONS OF HIGHER LEARNING. Children of parents who are members of the faculty or staff of any institution under the jurisdiction of the board of trustees of any community/junior college or the board of trustees of state institutions of higher learning may be classified as residents without regard to the residence requirement of twelve (12) months, for the purpose of attendance at the institution where their parents are faculty or staff members.

7. MILITARY PERSONNEL ASSIGNED ON ACTIVE DUTY STATIONED IN MISSISSIPPI. Members of the Armed Forces on extended active duty and stationed within the State of Mississippi may be classified as residents for the purpose of attendance of state-supported institutions of higher learning and junior colleges of the State of Mississippi. Resident status of such military personnel, who are not legal residents of Mississippi as defined under “Legal residence of an adult,” subsection 2, shall terminate upon their reassignment for duty in the continental United States outside the State of Mississippi.

8. CHILDREN OF MILITARY PERSONNEL. Resident status of children of members of the Armed Forces on extended active duty shall be that of the military parent for the purpose of attending state-supported institutions of higher learning and junior colleges of the State of Mississippi during the time that their military parents are stationed within the State of Mississippi and shall be continued through the time that military parents are stationed in an overseas area with last duty assignment within the State of Mississippi, excepting temporary training assignments enroute from Mississippi. Resident status of minor children shall terminate upon reassignment under Permanent Change of Station Orders of their military parents for duty in
9. **CERTIFICATION OF RESIDENCY OF MILITARY PERSONNEL.** A military person on active duty stationed in Mississippi who wishes to avail himself or his dependents of the provisions of subsection 7, must submit a certificate from his military organization showing the name of the military member; the name of the dependent, if for a dependent; the name of the organization of assignment and its address (may be in the letterhead); that the military member will be on active duty stationed in Mississippi on the date of registration at the state-supported institution of higher learning or junior college of the State of Mississippi, that the military member is not on transfer orders; the signature of the Commanding Officer, the Adjutant, or the Personnel Officer of the unit of assignment with signer’s rank and title. A military certificate must be presented to the registrar of the state supported institution of higher learning or junior college of the State of Mississippi each semester or tri-semester at (or within 10 days prior to) registration each semester for the provisions of subsection 7 of this act to be effective.

10. **STUDENT MUST REGISTER UNDER PROPER RESIDENCE STATUS; PENALTY.** The responsibility for registering under his proper residence status is placed upon the student. In addition to any administrative action which may be taken by governing authorities of the state-supported institutions of higher learning or junior colleges concerned, any student who willfully presents false evidence as to his residence status shall be deemed guilty of a misdemeanor, and upon conviction thereof may be fined not to exceed $100.

B. **Out-of-state Students** — Students who are admitted to Northwest Mississippi Community College on the basis of an out-of-state high school or college transcript may be required to submit a residency survey form and provide documentation of legal residency. In addition, the student will be required to sign a legal resident affidavit. Students whose legal residence is in question will be classified as out-of-state and assessed out-of-state fees at the time of registration. The deadline for receipt of all documents will be seven (7) days after the last day of late registration. Please refer to the catalog or class schedule for this date. No adjustments to fees will be made after this deadline.

C. **Part-time Students** — A student who enrolls for 12 hours during a regular semester is considered a full-time student. Anyone who enrolls for fewer hours is classified as a part-time student. The General Registration Fee for part-time students and for those who audit courses is $95 per semester hour in-state and $190 per semester hour out-of-state. **THIS FEE IS PAYABLE AT REGISTRATION.**

D. **Automobile Registration Fee** — Students may register one vehicle at no charge. A fee of $5 will be charged for each additional vehicle.

E. **Replacement of ID Card** — The cost of the original ID Card is included in the General Fee. The cost of replacement for a lost ID Card or a card mutilated beyond recognition is $10. The ID Card is used for admission to college-sponsored events. The ID Card is to be forfeited before withdrawal from school is complete.

F. **Room Deposit** — A deposit of $100 for Benton, Tallahatchie, DeSoto and Marshall Halls and $50 for all other halls will be required to establish a reservation. Should an applicant decide not to attend Northwest, a student may cancel the application in writing. If cancellation occurs prior to the first day of classes, a $25 cancellation fee is deducted from the deposit. If cancellation occurs after the first day of classes, the student forfeits the entire deposit.
G. **Books** – Books are sold by the College Bookstore. The cost of books for a semester is estimated to range from $600 to $800. Books and supplies for some programs may exceed this estimate.

H. **Board** – ALL RESIDENT STUDENTS ARE REQUIRED TO PURCHASE MEAL PLAN B ($875). Those students residing on campus on weekends may purchase Meal Plan A ($1,000) which provides for 19 meals, three per day on Monday through Friday and two per day on Saturday and Sunday. All board fees are due at the time of registration. Meal plans are also available for commuter students.

I. **Room Rent** – Room Rent is payable at Registration – if a student moves from a low-rent residence hall to a higher-rent residence hall at any time during a semester, the increase in rent is payable in the Business Office before the move is officially completed.

**Business Regulations**

**Refund Policy**

1. **Fall/Spring (Day or Night)** – General Fees and Room
   The refund policy on these items is as follows:
   a. 100% refund if official withdrawal is made during the week of regular registration.
   b. 75% refund if official withdrawal is made during the first week after regular registration.
   c. 50% refund if official withdrawal is made during the second week after regular registration.
   d. 25% refund if official withdrawal is made during the third week after regular registration.
   NO REFUND WILL BE MADE AFTER THE END OF THE THIRD WEEK AFTER REGULAR REGISTRATION.
   Note: Students attending Northwest Mississippi Community College on an institutional scholarship (Band, Basketball, Football, Leadership, etc.) must be enrolled at least six weeks before entitlement of institutional funds.

2. **Summer School** – General Fees and Room – The refund policy on these items is as follows:
   a. 100% refund if official withdrawal is made on the day of regular registration.
   b. 75% refund if official withdrawal is made on the first day after regular registration.
   c. 50% refund if official withdrawal is made on the second day after regular registration.
   d. 25% refund if official withdrawal is made on the third day after regular registration.
   NO REFUND WILL BE MADE AFTER THE END OF THE THIRD DAY AFTER REGULAR REGISTRATION.

3. **Room Deposit** – Seventy-five dollars of a $100 deposit paid or $25 of a $50 deposit will be refunded if an applicant decides not to live in the residence hall. The entire room deposit will be refunded when the student obtains a residence hall check-out slip from the residence hall supervisor, provided the student is not charged with residence hall damage, which includes loss of key, defacing or destroying property, and does not owe other enrollment fees.

4. Institutional Scholarships will only cover direct costs to attend Northwest, such as tuition, room and meal plan. Scholarships cannot be used to cover the costs
of textbooks or other expenses above tuition, room and meal plan. Scholarships cannot exceed cost of attendance minus other aid received. Scholarships will not “stack” against any Federal aid awarded. Federal aid overrides all scholarships with the exception of a Foundation Scholarship. Students receiving scholarships must attend Northwest for a minimum of six weeks during the semester in which they are awarded a scholarship. Any student who officially or unofficially withdraws prior to the six week requirement shall not receive the scholarship previously awarded. Each student shall also be required to maintain specific academic standards relative to the scholarship awarded. These standards are included on the acceptance letter which is signed by the student at the beginning of each academic year.

5. Special Fees – Other than required deposits, these fees are not refundable.

6. Official Withdrawal – To withdraw officially from the college, students are required to go by the following offices to have their withdrawal slips signed in the order listed below:

   1. Student Development Center
   2. Housing (Senatobia campus only)
   3. Financial Aid
   4. Librarian
   5. Faculty Adviser
   6. Registrar
   7. Business Office

At Centers, students complete the withdrawal process at the Center Dean’s office. Since charges are made for a full semester when a student registers, it is important that students clear with the Business Office when they make any changes which might affect their account. In some instances, students will be due a cash refund or credit to their account. Cash refunds are made to the source from which the money originally came.

7. Check Cashing – As a special accommodation to students, personal checks may be cashed in the college Business Office upon presentation of their Northwest ID. A student should have personal checks on his bank. Personnel in the Business Office will deny the privilege of cashing checks when the student has had a check returned. Personal checks are not cashed for students during the last two weeks of a semester. No two-party checks will be accepted.

8. Returned Checks – Any check returned to the College is due in full within seven days plus a $25 service charge.

### Financial Aid

Northwest Mississippi Community College provides a comprehensive student financial aid program of scholarships, loans, work-study, and grants to assist any person meeting requirements to pursue a college education.

Believing that everyone who wishes should have an opportunity to increase his knowledge and skill in order to enrich his own life and make his contribution to the society in which he lives, the college has made available the means of access to two years of education for those students having special abilities and skills and for those with financial need.

No prospective applicant for student aid will be awarded a loan, grant, scholarship or work-study assistance until he/she has been fully accepted for admission to Northwest. Each student desiring either federal, state, or institutional aid must first file the Free Application for Federal Student Aid. The free application filing process should be completed and submitted to the Federal Processor by April 15 of the school year that the applicant desires financial assistance to attend college. Instructions for completing the application filing process is provided at all Northwest cam-
All students receiving federal, state, or institutional financial assistance must be in good standing with the institution, and each student is expected to maintain satisfactory academic progress toward an educational goal. Students desiring any type of federal, state, or institutional financial assistance (Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Federal College Work-Study, Federal Direct Loan, Federal Direct Parent Loan for Undergraduate Student, Mississippi Resident Tuition Assistance Grant (MTAG), Mississippi Eminent Scholars Grant (MESG), Higher Education Legislative Plan (HELP)) must file the Free Application for Federal Student Aid (FAFSA) each school year. Students interested in any of the financial aid programs listed above should contact their high school counselor or the Northwest Financial Aid Office for further information.

**SATISFACTORY ACADEMIC PROGRESS POLICY**

Students receiving any form of Federal Financial Aid from Northwest Mississippi Community College will be expected to maintain satisfactory academic progress (SAP) toward their program objective. Failure to achieve satisfactory academic progress will result in the termination of your Federal Financial Aid.

Federal Financial Aid consists of:

- Pell Grant
- Work-Study
- SEOG
- Student Loans
- PLUS Loans

Standards are applied uniformly to all students receiving Federal Financial Aid regardless of enrollment status or program of study—e.g., less than half time (1-5 hours), half-time (6-8 hours), three-fourth-time (9-11 hours), full-time (12 hours or more), Academic or Career-Technical. The Northwest Mississippi Community College philosophy views satisfactory progress as indicative of a student’s efforts to achieve an educational goal within a given period of time, reflecting qualitative (measuring quality) as well as quantitative (measuring quantity) criteria.

Students must pass a minimum percentage of all courses attempted and must maintain a minimum cumulative GPA (grade point average) as calculated by the Registrar's Office as shown below:

<table>
<thead>
<tr>
<th>Credit Hours Attempted</th>
<th>Percentage of Hours Attempted (includes classes dropped) That You Must Pass</th>
<th>Minimum Cumulative GPA You Must Maintain</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-6</td>
<td>50%</td>
<td>1.25</td>
</tr>
<tr>
<td>7-12</td>
<td>50%</td>
<td>1.35</td>
</tr>
<tr>
<td>13-20</td>
<td>50%</td>
<td>1.55</td>
</tr>
<tr>
<td>21-96</td>
<td>67%</td>
<td>2.00</td>
</tr>
<tr>
<td>97 and up</td>
<td>generally not eligible for financial aid</td>
<td>generally not eligible for financial aid</td>
</tr>
</tbody>
</table>
TOTAL HOURS: All students must complete the educational program (major) within 150% of the published length (according to the Northwest Bulletin). For example, a major or program requiring 64 hours for a degree allows a maximum of 96 attempted hours (64 hours x 150% = 96). Once a student exceeds 150% of hours needed to complete the degree, he or she will no longer be eligible for Federal Financial Aid.

Students not meeting SAP requirements due to exceeding the maximum hours attempted, generally 96 credit hours, will be placed on Financial Aid Suspension and are no longer eligible for Federal Student Aid.

PACE: Pace of progression is referred to in the chart above as “percentage of hours attempted that you must pass.” Your pace will be determined by dividing the cumulative number of hours successfully completed by the cumulative number of hours attempted. In order to avoid a SAP issue, your pace should be greater than or equal to 50% if you have attempted 1-20 hours. If you have attempted 21 hours and up, your pace should be greater than or equal to 67%.

Below is a chart that demonstrates the pace of progression a student must maintain to ensure completion within the maximum time frame:

<table>
<thead>
<tr>
<th>After Attempting This Many Hours</th>
<th>Percentage of Hours Attempted That Must Be Passed</th>
<th>At Least This Many Hours Must Be Passed</th>
<th>Minimum GPA Must Be At Least</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>50%</td>
<td>3</td>
<td>1.50</td>
</tr>
<tr>
<td>12</td>
<td>50%</td>
<td>6</td>
<td>1.50</td>
</tr>
<tr>
<td>21</td>
<td>67%</td>
<td>14</td>
<td>2.00</td>
</tr>
<tr>
<td>48</td>
<td>67%</td>
<td>33</td>
<td>2.00</td>
</tr>
<tr>
<td>84</td>
<td>67%</td>
<td>57</td>
<td>2.00</td>
</tr>
<tr>
<td>96</td>
<td>67%</td>
<td>64</td>
<td>2.00</td>
</tr>
<tr>
<td>97 or more</td>
<td>generally not eligible</td>
<td>generally not eligible</td>
<td>generally not eligible</td>
</tr>
</tbody>
</table>

TRANSFER STUDENTS: All transfer students must have on file in the Registrar’s Office ALL required academic transcripts from each college he/she previously attended. Failure to have required academic transcripts on file will result in the student not being eligible to receive Federal Financial Aid funds. Please refer to the Admissions Transfer Policy stated on page 34 of this Bulletin.

PRIOR BACHELOR’S DEGREE: Students who have a prior bachelor’s degree and are planning to enroll in educational programs at Northwest to pursue a new degree are not eligible to receive a Federal Pell Grant. However, such a student is eligible to apply for Federal Educational Loans and College Work-Study Funds. Students must have on file in the Northwest Registrar’s Office all transcripts from previously attended colleges. No financial aid will be awarded if all transcripts are not on file. Each transfer student will have their Title IV financial aid records evaluated for eligibility through NSLDS (National Student Loan Data System).
WITHDRAWALS:  Withdrawals (W grade) for classes attempted at Northwest will count as hours attempted.

REMEDIAL CLASSES:  Developmental studies classes will be treated the same as regular classes.

INCOMPLETE COURSES:  Grades of incomplete are counted as an F until the course is completed and the grade is recorded by the Registrar.

REPEAT COURSES:  Repeat courses will count as hours attempted but only once in hours earned, if the student passes the course, and only the highest grade on the repeated courses will be included in the GPA calculation.  

NOTE:  If you have been academically dismissed or placed on academic suspension and wish to appeal that status, you should contact the Registrar’s Office for instructions.  Completing an appeal of Financial Aid Suspension will not correct your academic standing.  Likewise, being readmitted through the Admissions Office will not automatically remedy your Financial Aid Suspension.

FREQUENCY OF SAP CALCULATION:  Beginning with the Fall 2011 term, student SAP will be checked at the end of each term (fall, spring, summer 1, and summer 2).

NOTIFICATION OF INELIGIBILITY:  Attempts to notify all students by mail to the address currently on file in the Registrar’s Office will serve as official notification of Financial Aid Warning or Suspension.

FINANCIAL AID WARNING:  Students not meeting SAP due to not passing the percentage of hours attempted or earning the minimum GPA requirements at the end of the semester will be placed on Financial Aid Warning for the next semester.  Students on Financial Aid Warning may continue to receive Federal Student Aid for one more semester.  If the student does not meet SAP at the end of the next semester, the student will be placed on Financial Aid Suspension and is no longer eligible for Federal Student Aid.

FINANCIAL AID SUSPENSION:  Students on Financial Aid Suspension are no longer eligible for Federal Student Aid which includes Pell Grant, Work-Study, SEOG, Student Loans, or PLUS Loans.  The student may pay out-of-pocket and attempt to get back into compliance with the SAP requirement or the student may appeal the suspension if there were any extenuating circumstances that prevented him/her from meeting the SAP Requirements.

FINANCIAL AID PROBATION:  Students on Financial Aid Suspension and who have an appeal approved will be placed on Financial Aid Probation and will be eligible for Federal Student Aid for one semester.  At the end of the semester, the student must be meeting SAP requirements or successfully following an academic plan devised by the school.  Students who fail to meet these conditions of their appeal will be placed on Financial Aid Suspension.

APPEAL PROCESS:  Any student being denied Federal Student Aid due to not meeting SAP requirements (whether due to exceeding the total hours, percentage completion, or GPA) may appeal if some extenuating circumstance such as illness of student, severe injury of student, death of close relative of student or other undue hardship such as lack of transportation, incarceration of student, or other circumstance determined by the Financial Aid Director.  Appeals will be considered on their own merit.  Appeals may be denied.  Students will be notified by regular mail.  Appeals will generally be reviewed within 45 days after they have been received.  Appeals received after the appeal deadlines for each semester will generally be effective for the subsequent term.  See the appeal form for the deadlines.
How to file an appeal:
Submit your appeal on the “Satisfactory Academic Progress Appeal” form which is available in the Northwest Financial Aid Office on each campus or at www.northwestms.edu under Future Students, Financial Aid, and 2014-2015 Forms.
You must explain the reason why you failed to maintain SAP and explain what has changed in your situation that will allow you to demonstrate that you can make SAP at the end of the next term, if your appeal is approved. Attach any additional documentation such as accident reports, physician’s statements, third party affidavits, etc. you may have.
Appeals and other documentation may be delivered in person, by mail or by fax to the Northwest Financial Aid Office in Senatobia. Include your social security number and your complete name on your appeal. Mail or fax documents to:
Northwest Mississippi Community College
ATTN: Financial Aid Office
P.O. Box 7019
Senatobia, MS 38668
Fax Number: 662-562-3915

You will be notified in writing of the decision. This could take several days.

Federal, State and Institutional Student Aid

Northwest Financial Aid Office requires that students use the Free Application for Federal Student Aid when applying for assistance from federal, state, or institutional financial aid programs. The FAFSA must be used to apply for state and institutional aid. The applicant for federal, state, and institutional aid should apply online at www.fafsa.gov. For further information contact: Terry Bland, Director of Financial Aid, Northwest Mississippi Community College, 4975 Highway 51 North, Senatobia, MS, 38668.

Refund Formula for Federal Financial Aid (Title IV) Funds

The Title IV Federal Financial Aid Refund Formula calculation will be implemented for those students attending Northwest and receiving Federal Financial Aid (Federal Grants and Federal Student Loans). This Title IV Federal Refund Formula will only allow a student to receive a percentage of the Federal Grant or Federal Student Loan funds awarded if the student totally withdraws from school before completing 60 percent of the payment period (semester). The proration of Grant/Loan funds awarded the student will be calculated on the number of calendar days the student is enrolled before a total withdrawal occurs. The unearned Grant/Loan funds will be returned to the proper program by the student, the Institution, or both. In many cases, the Federal Grant or Loan recipients that drop out of school before completing 60 percent of the payment period (semester) not only must repay the Grant/Loan program but will also be responsible for paying the Institution money for fees not allowed from Federal Grant or Loan funds. After the 60 percent payment period, the student is eligible to receive 100 percent of the Federal Grant/Loan funds awarded.
Federal Grant/Federal Student Loan recipients withdrawing from the Institution have earned the percentage of total Grant/Loan funds awarded for the payment period indicated below (the formula in brief):

<table>
<thead>
<tr>
<th>Day of Withdrawal</th>
<th>Percentage Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>10th Calendar Day of Semester</td>
<td>9%</td>
</tr>
<tr>
<td>20th Calendar Day of Semester</td>
<td>17%</td>
</tr>
<tr>
<td>30th Calendar Day of Semester</td>
<td>26%</td>
</tr>
<tr>
<td>40th Calendar Day of Semester</td>
<td>35%</td>
</tr>
<tr>
<td>50th Calendar Day of Semester</td>
<td>43%</td>
</tr>
<tr>
<td>60th Calendar Day of Semester</td>
<td>52%</td>
</tr>
<tr>
<td>69th Calendar Day of Semester</td>
<td>100%</td>
</tr>
</tbody>
</table>

Distribution Schedule of Unearned Funds that must be returned to Title IV Programs:

1. Unsubsidized Federal Direct Loan
2. Subsidized Federal Direct Loan
3. PLUS
4. Pell Grant
5. SEOG Grant
6. Other Federal Sources

Grants

Federal Pell Grant

Pell Grants are awards to help undergraduates pay for their education after high school. For many students, these grants provide a “foundation” for financial aid, to which aid from other federal and non-federal sources may be added. Unlike loans, grants, in most cases, do not have to be paid back.

Pell Grants for the 2014-2015 award year (July 1, 2014 to June 30, 2015) may range from $569 to $5,730 depending on a student’s eligibility as determined by a standard formula.

A student is eligible for a Pell Grant if:

1. the student has met the general eligibility requirements, (which include having a high school diploma or GED);
2. the student is determined to have financial need based on the Pell Grant formula (This formula uses the information provided on the Financial Aid Application (FAFSA) to produce an expected family contribution number. This number is considered, along with the total cost of attending Northwest. Generally, the lower the EFC number the higher the grant award.);
   and
3. the student is an undergraduate student who has not previously received a baccalaureate degree and is enrolled in an eligible program, full or part-time.

Federal Supplemental Educational Opportunity Grant (FSEOG)

The Federal Supplemental Educational Opportunity Grant provides funds to students of exceptional need, who without the grant would be unable to continue their education. FSEOG awards may range from $100 to $4,000 depending on funds available.

To be eligible for a FSEOG a student must:

1. have met the general eligibility requirements, (which include having a high school diploma or GED);
(2) be enrolled at least half-time (6 hours) as an undergraduate student in an eligible program (an undergraduate student is defined as a student who has not previously been awarded a baccalaureate degree);
(3) demonstrate exceptional financial need; and
(4) show academic or creative promise and the capability of maintaining good standing in his or her course of study.

Federal Work-Study Program

College Work-Study Program
The College Work-Study Program is authorized under Title IV of the Higher Education Act of 1965. The primary purpose of the College Work-Study Program is to stimulate and promote part-time employment for students. The program is designed for those students who are in need of earnings to pursue their course of study at Northwest. Primary consideration for work-study is given to those students with the greatest financial need and who live in campus housing.

The number of hours a student will be eligible to work will depend on demonstrated need, class schedule, and academic progress and the amount of funds available in the work-study program.

To be eligible for work-study a student must be enrolled in an eligible program at least half-time (6 hours) at Northwest; however, work-study awards are usually limited to full-time (12 hours or more) students. Additionally, as with all student assistance, students receiving work-study jobs must show evidence of making academic progress.

To apply for federal college work-study, students must indicate interest for work-study when filing the Free Application for Federal Student Aid and also submit a work-study application, located on the Northwest website under the Financial Aid section. Students filing for any type of financial aid should be prepared to furnish the Financial Aid Office with a copy of the student’s and parents’ previous year’s federal income tax return.

Work-study monies are paid to students every three to four weeks as they work. Students’ earnings are applied to their expenses if the necessary credit arrangements have been made with the institution’s Business Office.

The Institution has designated certain departments as Community Service work areas. Students are encouraged to contact the Financial Aid Office about possible employment in these departments. Also, the Financial Aid Office will place student workers in the America Read Challenge and Adult Reader programs as reading and math tutors.

Loan Programs

Federal Direct Student Loan Programs (Subsidized and Unsubsidized)
The Federal Direct Student Loan Program enables a student to meet his educational expenses by borrowing from the Department of Education at a low interest rate, if the student is enrolled at least half-time (6 hours) in an eligible program of study. Freshmen students may borrow up to $3,500, and sophomore students may borrow up to $4,500 per year. Students must show eligibility by filing the Free Application for Federal Student Aid.
Before Federal Direct Loan applications can be completed by the institution, the results of the FAFSA must be in the Financial Aid Office. Therefore, it is always important to file for student aid early. Students interested in filing for a Federal Direct Student Loan should contact the Financial Aid Office for further information or visit the Financial Aid section of the Northwest website at northwestms.edu. Students will need to provide a copy of their valid driver's license and Social Security card for the loan process. All loan recipients must complete entrance and exit interview counseling.

**Federal Direct Parent Loan for Undergraduate Students (FDPLUS)**

The FDPLUS loan program is a non-need based source of loan funds for parents of dependent undergraduate students. The FDPLUS loan will have a variable interest rate. The variable interest rate will be determined by the Secretary of Education and will become effective on July 1 of each year. Loan limits are based on the cost of attendance minus any other aid awarded. Students must show eligibility by filing the Free Application for Federal Student Aid.

**State Grants**

**Mississippi Resident Tuition Assistance Grant and Mississippi Eminent Scholars Grant (MTAG, MESG)**

General eligibility requirements are as follows:

1. Student must be a current legal resident of Mississippi as certified by the college's Registrar.
2. Student must be accepted for enrollment on a full-time basis at any two-year or four-year, public or nonprofit, regionally accredited, state approved, college or university in Mississippi.
3. Student must maintain continuous enrollment of not less than two semesters or three quarters in each successive academic year unless granted an exception for cause.
4. If a student drops below full-time status during a semester or quarter of the academic year, that student is ineligible to receive funds during the following semester or quarter of the regular academic year.
5. No student may receive an MTAG or MESG for longer than the equivalent semesters or quarters required to complete one (1) undergraduate degree per institution [i.e., eight (8) semesters or equivalent quarters for a four (4) year degree; ten (10) semesters or equivalent quarters for a five (5) year degree; four (4) semesters for a two (2) year degree].
6. Awards are dependent on availability of funds and are subject to proration.
7. Student must not be currently in default on an educational loan.
8. Student must file the Free Application for Federal Student Aid (www.fafsa.gov) each year as well as complete an updated MTAG/MESG online application at www.mississippi.edu.
9. Questions can be directed to IHL at 1-800-327-2980.
State Scholarships

Higher Education Legislative Plan for Needy Students
(The HELP Scholarship)

General Eligibility Requirements

First-Time-In-College
~ A United States citizen registered with the Selective Service, if required
~ A current resident of Mississippi who has actually resided in Mississippi during the 24 months preceding enrollment, and/or has a custodial parent or guardian who is currently a resident and has resided here during the 24 months preceding student’s enrollment
~ A student who has no criminal record, except for misdemeanor traffic violations
~ A full-time undergraduate student at an eligible institution or community/junior college pursuing a first baccalaureate or first associate degree
~ The student’s family has one child under the age of 21, and a two-year average annual adjusted gross income of less than $30,000; or the family has a two-year average annual gross income of less than $30,000 plus $5,000 for each additional child under age 21
~ A student who has filed the Free Application for Federal Student Aid (FAFSA) (www.fafsa.gov)
~ A student who is in compliance with the terms of federal and other state aid programs
~ A student who is not in receipt of a total award package that exceeds the institution’s cost of attendance
~ A student who will not be receiving a full tuition waiver/award from another state financial aid source
~ A high school graduate, within two years preceding the application, with a cumulative grade point average of 2.5 on a 4.0 scale
~ A student who successfully completed 17 1/2 units of the core curriculum required for admission to a public institution or college
~ A student who has a composite score of at least 20 on the ACT

Current or Previously Enrolled in Post-Secondary Education
~ A student who has a cumulative grade point average of at least 2.5 calculated on a 4.0 scale on earned credit hours
~ A student who has a composite score of at least 20 on the ACT
~ A student who has no criminal record, except for misdemeanor traffic violations
~ The student’s family has one child under the age of 21, and a two-year average annual adjusted gross income of less than $30,000; or the family has a two-year average annual adjusted gross income of less than $30,000 plus $5,000 for each additional child under age 21
~ A student who has filed the Free Application for Federal Student Aid (FAFSA) by the deadline established each year (www.fafsa.gov)
~ A student who has established Mississippi residency for two years prior to receiving this award, and/or has a parent or guardian who is currently a res-
ident and has resided here during the 24 months prior to the student receiving this award for the first time

~ A student who is in compliance with the terms of federal and other state aid programs
~ A student who will not be receiving a full tuition waiver/award from another state financial aid source

The Higher Education Legislative Plan (HELP) Scholarship provides full tuition to all qualified, college-bound state residents who apply for the payment thereof and enroll full time at any eligible Mississippi public institution of higher learning or eligible Mississippi public community/junior college to pursue a first baccalaureate or first associate undergraduate degree.

The annual award amount for the HELP Scholarship varies, since it is the actual tuition charged by individual Mississippi public institutions or Mississippi public community/junior colleges. If all eligibility requirements are met, a student may receive this scholarship for 10 semesters or 15 trimesters.

There is no repayment of this scholarship if eligibility is lost.

The number of awards and recipients are dependent upon availability of funds, and awards will be made on a first-come, first-served basis. Applications for the HELP Scholarship received on or before the priority date of March 31 of the school year that the applicant desires aid will be given first consideration in the award process.

Mississippi Law Enforcement Officers and Firemen Scholarship Program

Eligibility Requirements:

~ Current legal Mississippi resident
~ Enrolled as a full-time student at a Mississippi state-supported college or university
~ Spouse or child of full-time Mississippi law enforcement officer or firefighter who was fatally injured or totally disabled from injuries which occurred while performing official duties

The Mississippi Law Enforcement Officers and Firemen Scholarship Program offers scholarships to the spouses and children (natural, adopted, or stepchildren) of full-time Mississippi law enforcement officers and the spouses and children of full-time Mississippi firemen/firefighters who were fatally injured or totally disabled from injuries which occurred while performing official duties.

Under the program, the amount of assistance available is tuition plus the average cost of a dormitory room plus required fees plus applicable course fees. The Scholarship does not include educational expenses such as books, food, school supplies and materials, school dues or fees for extracurricular activities. Recipients are entitled to eight semesters of scholarship assistance; however, children are only entitled to the Scholarship until the age of 23.

There are no service/repayment requirements for this Scholarship.

Northwest Work-Study Program (NWWS)

A limited number of jobs are available under the college's work-study program. Basically the Northwest program is designed to enhance services at the college while also providing work experience for students with moderate financial need.
Scholarships

All scholarship recipients must file the Free Application for Federal Student Aid (www.fafsa.gov). Academic Scholarship forms must be completed by April 1. A scholarship may be altered by the amount of federal financial aid awarded. Scholarship recipients must maintain full-time status for at least six weeks. Contact the Recruiting Office for all Academic Scholarship information.

Presidential Scholarships – These scholarships are awarded to students based on ACT. Recipients must be full-time fall entering freshmen and must maintain the required cumulative grade point average. These scholarships will be awarded in the amount of one fourth per semester. Awards will be made as long as funds are available.

June S. Gardner Scholarships – These scholarships are awarded to in-state high school valedictorians and salutatorians. Recipients must be full-time fall entering freshmen and must maintain the required cumulative grade point average. Awards will be made as long as funds are available.

Leadership Scholarships – These scholarships are limited in number and are awarded to in-state students who exhibit leadership abilities, have special skills or talents, a specific ACT score, and/or have strong academic qualities. Recipients must be full-time fall entering freshmen and must maintain the required cumulative grade point average.

Adult Student Scholarship – These scholarships are limited in number and awarded to Mississippi residents. Applicants must be 25 years of age and a full-time student. Scholarship applications are reviewed by a committee and awarded based on financial need, credit hours previously earned and academic achievement.

Howard Carpenter GED Scholarships – These scholarships are awarded to the residents of the Northwest district who have scored 500 or above on the GED test. Awards are for full-time entering freshmen. Recipients must maintain the required GPA during their enrollment. Application information must be completed prior to the start of a semester.

Cheerleader Scholarships – A limited number of cheerleader scholarships are available. For specific information, contact the Student Activities Manager.

Athletic Scholarships – Grant-in-aid scholarships in football, basketball, baseball, softball, soccer, and tennis are awarded in accordance with the rules and regulations of the Mississippi Community/Junior College Association. Scholarships are awarded by the respective coaches of each sport based on the talent of the athlete and the needs of the program. These scholarships may be used to defray the costs of tuition, room, and/or board only.

Band Scholarships – Scholarships for participation in the Northwest Ranger Band are available for the musically talented student. They are awarded after tryouts before the Band Director. Recipients must be full-time students and must maintain a 2.0 cumulative GPA.

Art Scholarship – This scholarship is available for a student majoring in art. It is awarded based on work judged best of all entries in a competition. Instructors in the Art Department serve as judges for the competition. The recipient must be a full-time entering freshman, must maintain the required cumulative grade point average, must maintain full-time enrollment status for six weeks before the scholarship will be in effect, and must file for financial aid.

Speech/Theatre Scholarship – This scholarship is available for a student majoring in Speech/Theatre. It is awarded based on an audition with the instructors in the Speech/Theatre Department. The recipient must be a full-time entering freshman, must maintain the required cumulative grade point average, must maintain full-
time enrollment status for six weeks before the scholarship will be in effect, and must file for financial aid.

**Music Performance Scholarships** – These scholarships are available for students talented in vocal or keyboard music. They are awarded based on auditions with the choral director. Recipients must be full-time students and must maintain a 2.0 cumulative GPA.

**Student Publications Scholarships** – These scholarships are available for the editor of the student newspaper and the editor of the yearbook. Recipients must be full-time students with abilities, interests, and/or experience in journalistic areas. Applications may be obtained in the Ann Y. Whitten Media Center on the Senatobia campus. Scholarship or part-time employment is based on the student’s individual needs subject to budget approval.

**Scholarships for Children of Employees** – All children of full-time employees of Northwest Mississippi Community College are eligible to receive the cost of tuition scholarship while attending Northwest. The basic guidelines are as follows:

1. The scholarship is for tuition per semester.
2. A 2.0 cumulative grade point average must be maintained.
3. The scholarship is available only to the children of full-time staff, faculty and administrative personnel.

**Henry Womble Memorial Scholarship** – This scholarship is awarded to a deserving disabled student who is a Mississippi resident with need. The recipient must be a full-time fall entering freshman, have a medically-documented disability, provide two letters of recommendation from teachers or counselors, and maintain the required cumulative grade point average.

**SCHOLARSHIPS FUNDED BY THE NORTHWEST MISSISSIPPI COMMUNITY COLLEGE FOUNDATION**

Through the generosity of individuals, corporations, and civic organizations, scholarships are available through the Northwest Mississippi Community College Foundation. There are two types of Foundation scholarships: endowed and annual. In an endowed scholarship, the endowed principal is held in sacred trust in perpetuity (forever) with scholarships being awarded from the interest earned. In an annual scholarship, the funds are contributed to the Northwest Foundation, and those same funds are disbursed in the school year in which they are received.

Students must submit a Foundation Scholarship Application Form, available from the Foundation Office, the Recruiting Office or online at www.northwestms.edu. Each application must be accompanied by a resume and one letter of recommendation. The application must be received by the Foundation Office no later than 5 p.m. on April 1. Unless otherwise noted, only Mississippi residents may receive Foundation scholarships.

The selection is made by the Northwest Foundation Scholarship Selection Committee, which includes members of the Northwest faculty and administration and at least one member of the Northwest Foundation Board of Directors. Scholarship recipients will receive notification by May 15. After notification, the scholarship recipient must meet with the Director of the Northwest Foundation prior to registration to obtain complete necessary acceptance forms. For additional information, write the NWCC Foundation Office, P.O. Drawer 7015, 4975 Highway 51 North, Senatobia, MS, 38668, call (662) 560-1103 or email srcanon@northwestms.edu.
Foundation scholarships are awarded according to the criteria designated by those who contributed the funds to establish the scholarships. Additional criteria, in addition to the primary criteria, are listed in parentheses. Students must be full-time students (minimum of 12 hours) and maintain specified grade point averages, which range from 2.0 to 3.25, according to the criteria of the individual scholarships.

CRITERIA BY SUBJECT AREA

**Academic Business**
The BancorpSouth Endowment
The John L. Basinger, Sr. Endowment
The Carl H. and Mattie Sue Johnson Blanchard Endowment
The Dr. Jack Butts Endowment
The Marie Stewart Gray Endowment
The Dent Jackson Memorial Endowment
The Sycamore Bank Endowment (Tate County)
The Kathleen (Kitty) Wait Endowment

**Accountancy**
The Louis Johnson and Martha Jones Blanchard Endowment (Tate and Quitman Counties)
The James P. and Nelda McCormick Endowment
The William H. Polk Endowment (North Delta Academy)
The Wesley and Alice Williams Family Endowment

**Adult Basic Education Graduates**
The Al Simmons Adult Basic Education Endowment
The Sue Wilson Endowment

**Agriculture**
The Wesley and Alice Williams Family Endowment

**Agricultural Technology**
The Greene Blythe Endowment
The Jack O. Blanchard Endowment
The John Deere Corp. Scholarship
The Raiford Lindsey Fancher Endowment
The Elizabeth Carter Fatherree Endowment
The Cecil Gene Howell Endowment
The Carl and Charlene Hyde Endowment
The Bill Lipscomb Endowment
The Panola-Tate Livestock Association Endowment (Panola and Tate Counties)
The Michael C. Perry John Deere Endowment
The J.E. Spurlock Endowment
The Steve Everette Watson Endowment (Ranger Rodeo Team participant)
The C. Chad Williams Endowment
The Ronald D. Williams Endowment
Automotive Technology
The Sam Meacham Endowment

Aviation Maintenance Technology
Mississippi Airport Association Scholarship

Business Administration
The Wesley and Alice Williams Family Endowment

Career-Technical Majors
The N.C. and Charlotte Ferguson Endowment
The Jerry Nichols Endowment
The Norma Shuford Riser Endowment
The Toyota-Haley Barbour Endowment

Computer Information Systems
The Thomas W. Hogan Endowment (Tate, Panola or Quitman Counties)
The Khalid Khouri Endowment

Criminal Justice, EMT-Paramedic, EMT-Basic/First Responder,
and Pre-Forensic Chemistry—must be a resident of DeSoto County
The DeSoto County Fallen Hero Endowment
The Larry Cox Fallen Hero Endowment
The Robert Dodson Fallen Hero Endowment
The William P. Harris Fallen Hero Endowment
The Rory Welch Key Fallen Hero Endowment
The James William (Billy) Lance, Jr. Fallen Hero Endowment
The Gregory Floyd Medlin Fallen Hero Endowment
The Larkin V. Pettit Fallen Hero Endowment
The Bobby L. Wells, Jr. Fallen Hero Endowment

Criminal Justice
The Eugenia Bishop Arnold Endowment
The Hugh M. (Monty) Monteith Endowment
The Chief William L. Moore Endowment

Drafting and Design Technology
The Dickson, Tyson and Associates Endowment

Early Childhood Education Technology
The Mary Elizabeth Walker Lewis Endowment
The Marilyn R. Spears Endowment

Education
The Mary Louise Wynne Broadway Endowment (Horn Lake High School)
The Robbie Harrison Butts Endowment (Elementary Education, Panola County)
The Shirley Clanton Endowment (Tate or DeSoto County)
The Pete and Pauline Harris Endowment (DeSoto County)
The Carl and Charlene Hyde Endowment
The Mariglyn Mayfield Meacham Endowment
The North Mississippi Education Consortium Endowment
The Mildred and Robert Redding Endowment (Lafayette, Marshall or Yalobusha Counties)
The B. Joan Robertson Endowment (DeSoto County)
The Raymond H. and Margaret N. Rogers Endowment (emphasis in History)
The Joan Teasler Rose Endowment
The Dr. Gary Lee Spears Endowment (Tate or DeSoto County)
The Charles D. Taylor Endowment (speciality in Mathematics)
The Edna Teasler Endowment (single-parent family)
The C.B. and Marjorie Norton Walker Endowment
The R.T. Ward Endowment
The Marjorie Sowell Williams Endowment (Elementary or Secondary Education)
The Mary Frances Jaudon Woolfolk Endowment (Senatobia High School or South Panola High School)

Electronics Technology
The Bill Beck Endowment

EMT-Paramedic
The Beverly Brewer Stark Endowment

Fine Arts
The Martha Key Fite Endowment (Art)
The Sherman Hardin Endowment (Choral Music participant)
The Thomas W. O'Briant Endowment
The David, Michael, and Lee Ross Endowment
The Clifton and Jessie Sipley Endowment
The Lauren Elizabeth Tallo Endowment (band member, Senatobia High School)
The John Garrett (Spec) and Elise Cocke Veazey Endowment
The Thomas P. and Virginia Moore Wilson Endowment (Tate County)
The Ben and Alma Wynne Endowment (Tate County)

Forestry
The Ronnie Crouch Endowment

Funeral Service Technology
The Dr. Gordon S. Bigelow Endowment

Graphic Design Technology
The Taylor and Anita Fore Endowment

Health-care Data Technology
The Holly Koonce Endowment

Heating, Air Conditioning and Refrigeration Technology
The Entergy of Mississippi Scholarship

History
The Patrum and Ganel Veazey Endowment
The Ben and Alma Wynne Endowment (Tate County)
Hotel and Restaurant Management Technology
The Dot Mitchell Endowment
The Taste of DeSoto Endowment

Journalism
The Scarlet Lawrence Akins Endowment
The Robert R. and Mildred S. Meacham Endowment
The Dr. Ann Yates Whitten Endowment

Languages and Communications
The W. Jean Moore Endowment

Library Science
The Jordan Antoine Jarjoura Endowment

Mathematics
The Khalid Khouri Endowment
The Anita Stratton Wilborn Graham Endowment
The C. Chad Williams Endowment

Associate Degree Nursing
The Samuel M. and Ruth Ann Allison Endowment
The Estelle H. Bobo Endowment
The Lt. Col. John W. Caldwell III Endowment (Tate County)
The Carrie Jane Belyeu Davis Endowment
The Frances Marie Dean Endowment
The Holli Pond Day Endowment
The Rachel Ann and Landon Scott Etheridge Endowment
The First Tennessee Bank (formerly Peoples Bank) Endowment (non-traditional)
The Forty and Eight Endowment (veteran or active duty military personnel or the children or grandchildren of active or inactive military personnel)
The Deanna Patterson Grant Memorial Nursing Endowment
The Jessica Gresham Memorial Endowment
The Lucille Tidwell Hollister Endowment (non-traditional Licensed Practical Nurse)
The Pennie Pullen McKinney Memorial Endowment
The Mississippi Organization of Associate Degree Nursing (M-OADN) Endowment
The Sam Meacham Endowment
The Michael E. Shaheen, M.D. Memorial Nursing Endowment
The Smith and Nephew Scholarship
The Keith Wilson Endowment

Paralegal Technology
The Raiford Lee Pittman Endowment

Physical Education
The John Sharp (Sonny) Orrell Memorial Endowment
The Coach Kenneth (Cat) Robbins Endowment
Practical Nursing
The Frances Marie Dean Endowment
The Pauline Marchbanks Endowment
The Jayne E. River Endowment

Pre-Engineering
The Ed and Grace Dandridge Endowment
The Mildred and Robert Redding Endowment (Lafayette, Marshall, or Yalobusha Counties)
The Wesley and Alice Williams Family Endowment

Pre-Medical, Pre-Pharmacy, Associate Degree Nursing
The Maxine Dunn Nichols Endowment (Olive Branch)
The Dr. Ethelyn Smith Endowment

Pre-Veterinary Medicine
The Wesley and Alice Williams Family Endowment

Psychology
The Lafayette Radio Club Endowment (Senatobia and surrounding area)

Religious Studies
The William Lynn and Lula Brooks Wallace Endowment

Respiratory Therapy
The Caitlin Heath Bourne Endowment
The Rick Oswalt Endowment
The Samantha Hayward Ross Endowment
The Jerry Sparks Endowment

Science
The Sarah Garner Ainsworth Endowment (must be in top 25% of class)
The Marcus L. and Sue C. Burks Endowment
The Rita Carol Chance Endowment (Physical Science)
The Dr. Jerry Hollis Endowment
The Paul W. Lawrence, Jr. Endowment (Physics)
The Newly Weds (Flavorite Laboratories) Endowment (DeSoto and Tunica Counties)
The David, Michael and Lee Ross Endowment
The C. Chad Williams Endowment

STEM (Science, Technology, Engineering, Mathematics)
The Dr. Jerry Hollis Endowment

CRITERIA BY RESIDENCY AND/OR GRADUATING HIGH SCHOOL
Ashland High School
The Keenon L. Terry Endowment

Baptist Children’s Homes (Reedy Acres or Farrow Manor)
The Delta Rice Services Endowment


Benton County
The Judge Anthony T. Farese Endowment
The Ross Family Endowment

Calhoun County
The Judge Anthony T. Farese Endowment
The Bert Johnson Endowment (Bruce High School)
The Joan Reid Endowment
The Ross Family Endowment
The John Sidney Warner Endowment

Charleston High School
The Foman and Nita Musselwhite Endowment

Coffeeville School District
The Thomas C. and Shirley M. Dawkins Endowment (2.5 GPA in high school)

Delta Academy
The James P. Graeber Scholarship (must have 2.5 GPA in high school)
The Lewis A. Graeber Scholarship (must have 2.5 GPA in high school)
The Graeber Foundation Endowment

DeSoto County and/or DeSoto Center Campus
The William Hoytte Austin, Jr. Endowment
The BancorpSouth Share the Future Scholarship
The Joey Boldrehini Endowment
The A.W. and LaNell S. Bouchillon Endowment
The Albert Broadway 2+2 Endowment (graduates of a DeSoto County high school)
The Fay B. Brower Endowment (non-traditional student)
The Dr. Bonnie Patridge Buntin 2+2 Endowment
The Elizabeth Hilliard Burns Endowment
The William H. Burton Confederate Memorial Scholarship (requires essay)
The Frank and Marilyn Canada Endowment
The City of Hernando 2+2 Endowment (resident of Hernando)
The City of Olive Branch 2+2 Endowment (resident of Olive Branch)
The City of Southaven 2+2 Endowment (resident of Southaven)
The Bob and Ann Darnell Endowment
The DeSoto Civic Garden Club Scholarship
The DeSoto County Business Women Living Legacy Endowment
(non-traditional female student)
The DeSoto County Economic Development Council Endowment
The DeSoto County Foundation for Excellence in Education Scholarship (Education major)
The DeSoto County Shrine Club Endowment
The Keith S. Godbold / DeSoto Center Endowment
The Clay and Elinor Herrington 2+2 Endowment
The Dr. Gloria Dodwell Kellum 2+2 Endowment
The Kathryn Anne Kreunen 2+2 Endowment

66 • Financial Information
The Richie E. Lawson Endowment
The Maddox Foundation 2+2 Scholarship Endowment
The Jeanette Martin Endowment
The Catherine Robertson Newman Endowment (non-traditional students)
The Linda Owen Endowment
The Stephen Purdy Endowment (Ranger Golf Team participant)
The Valeria B. Robertson Endowment (traditional and non-traditional students)
The Ross and Lucile Robison Endowment
The Al Simmons Adult Education Endowment
The Dr. Gary Lee Spears Endowment
The Two Plus Two Endowment

Hickory Flat Attendance Center
The Kole Briscoe Memorial Endowment (Agricultural Technology)

Horn Lake High School
The Chris Brannon Endowment
The Alan Beevers Endowment

Lafayette County
The R.L. Brown Endowment
The Judge Anthony T. Farese Endowment
The Mechanics Bank Endowment
The Oxford Rotary Club Endowment

Magnolia Heights School
The Frank and Marilyn Canada Endowment
The Jones-Pointer Endowment
The Nat Troutt Endowment
The Allen Thurman and Mildred Gabbert Veazey Endowment
The Youth Progress Association Endowment

Marshall County
The Judge Anthony T. Farese Endowment

Mississippi Youth Challenge Academy
The Chris Brannon / YMCA of the Mid-South Endowment

North Delta Academy
The Jones-Pointer Endowment

North Panola High School
The Freddie and Bertha Sanford Endowment

Olive Branch High School
The Alice Runge and Walter Carter Endowment
The Bela J. and Ruby Black Chain Endowment
The Maury and Jane Haraway Endowment
The Olive Branch Civitan Club Scholarship
The Olive Branch Lions Club Endowment (relatives of active Lions Club members)
The Olive Twigs Humanitarian Club Endowment
The Olive Twigs Philanthropic Group Endowment
The Kim Umberger Endowment

**Oxford Center Campus**
The Oxford Center Endowments (two separate endowments)
The Brenda Gentry Holmes Endowment
The Jayne E. River Endowment (Practical Nursing major)

**Panola County**
The Sheriff David Bryan Endowment (children of law enforcement personnel)
The Frank and Marilyn Canada Endowment
The Deputy Sheriff Joe K. Cosby Endowment (Criminal Justice major)
The Price and Bobbie Darby Endowment
The Inez Carter Fancher Endowment
The First Security Bank / John Meacham, Jr. Endowment
The Robert A. and Cathryn M. Hyde Endowment
The Jones-Pointer Endowment
The Max and Evelyn Lee Family Endowment
The George Max Lee, Jr. Endowment
The Leonard Morris Endowment
The W.P. (Bill) and Nannette Sissell Endowment
The Springs Industries Endowment
  (children and/or grandchildren of Springs Industries employees)

**Potts Camp High School**
The Charles Allen Gurley and Paula Virginia Gurley Endowment

**Quitman County**
The First Security Bank / John Meacham, Jr. Endowment
The Quitman County Farm Bureau Endowment
The Ross Family Endowment
The Stella K. Young Endowment

**Senatobia and Surrounding Area**
The Perrin and Eone Caldwell Endowment (single-parent or no-parent households)
The James Jackson Endowment
The Land Bank of North Mississippi Scholarship (Agriculture, Forestry, Business
  and Business Administration majors)
The Kirk and Carole Moore Endowment
The Dennis and Janie Paulk Endowment
The Lucy B. Whitwell Endowment
The Sue Wilson Endowment (ABE Graduates)

**Senatobia High School**
The Jones-Pointer Endowment
The C.R. Rials Memorial Endowment
The Youth Progress Association Endowment

**South Panola High School**
The Kelly Wayne Hudson Endowment

**Southaven High School**
The Chris Brannon Endowment

**Strayhorn Community**
The Clyde Rhea Ashe Endowment

**Strider Academy**
The Foman and Nita Musselwhite Endowment

**Tallahatchie County**
The Parthenia Dunbar Blackmon Endowment
The Deward and Pauline Bloodworth Endowment
The Mary Elizabeth Houston Fedric Endowment
The William O. Hickey Endowment
The Sammy Higdon Endowment
The C.W. Parker Endowment
The Reverend Upton Reynolds Endowment
The Ross Family Endowment

**Tate County**
The Frank and Marilyn Canada Endowment
The Bob and Ann Darnell Endowment
The Joe and Carolyn Floyd Scholarship
The W. C. (Firpo) and Josephine Miller Endowment
The William T. (Jack) Norfleet Endowment
The Senatobia Optimist Club Endowment
The Senatobia Lions Club Endowment (children or grandchildren of Lions Club Members)
The Senatobia Rotary Club Endowment
The Dr. Gary Lee Spears Endowment
The Lt. Marlin Stanford Endowment (East Tate and Independence High Schools)

**Thyatira Community**
The Winfred and Virginia Oglesby Endowment
The Wesley and Alice Williams Family Endowment (limited to majors of Accountancy, Agriculture, Business Administration, Pre-Engineering, or Pre-Veterinary Science)

**Tunica County**
The Graydon and Mary Flowers Endowment
The Papasan Family Trust Endowment

**Water Valley High School**
The Brownie Crawford Endowment (high School GPA of 3.0)
The Melvin and Cecil Ford Endowment
Yalobusha County
The Parthenia Dunbar Blackmon Endowment
The Deward and Pauline Bloodworth Endowment
The Sammy Higdon Endowment
The Mary Elizabeth Houston Fedric Endowment
The Mechanics Bank Endowment
The C.W. Parker Endowment
The Reverend Upton Reynolds Endowment
The Ross Family Endowment

GENERAL CRITERIA
Academic Achievement
The Michael E. Byrd Endowment (must have 3.5 GPA in high school)
The Sybil Reynolds Canon Endowment (single-parent or no-parent households)
The Wilson Edmondson Endowment
The Willie B. and Polly Perkins Endowment (Tate County)
The Thomas A. Poff, Jr. and Carolyn P. Poff Endowment
The Rangers Championship Endowment (Ranger football team participant)

Alumni of Northwest Mississippi Community College
The Northwest Mississippi Community College Alumni Association Endowment
(children of Northwest alumni)

DeSoto County Farm Bureau
The Milton Walker Jones, Jr. Endowment (children and grandchildren of members)

Financial Need
The AT&T of Mississippi Endowment
The Jim and Sarah Ainsworth Endowment
The Howard Carpenter Endowment
The Henry I. and Westelle M. Copeland Endowment
The Pamela Joyce Day Endowment
The Entergy of Mississippi Scholarship (must have 2.5 GPA in high school)
The Faust Farms Endowment
The Faust, Hall, and Douglas Families Endowment
The First Financial Bank Scholarship
The Coach Bobby R. Franklin and Ranger Coaching Staff Endowment
The Gateway Tire Endowment
The Aaron German Endowment (interest in rodeo competition)
The Billie Bob Gray Endowment
The Matt Gregory Endowment
The Russell Hadskey Endowment
The W.C. Haley, Sr. and Lawson Wood Haley Endowment
The Judge Leon E. Hannaford Endowment
The David M. Haraway Endowment
The Ann Eliza Allison Harris Endowment

70 • Financial Information
The Leslie, Paula, and Hal Herring Endowment
The Allen and Macelle Holliday Endowment
The Charlie and Viola Holliday Endowment
The Carson Holloman Endowment
The Robert L. King Endowment
The Henry B. Koon Endowment
The Reese D. and Corinne McLendon Endowment
The W.C. (Firpo) and Josephine Miller Endowment
The Jim and Angelé McClure Endowment
The Heinz H. Molsen, Jr. Endowment
The Kenneth M. Murphree Endowment
The Ronnie and Melody Musgrove Endowment
The Northwest District Workforce Development Council Endowment
The W.P. and Frances Perkins Endowment
The J.P. (Blue) and Virginia Varner Phillips Endowment
The Attorney Robert Thomas Riser Endowment
The Ross and Lucile Robison Endowment
The W.P. (Bill) and Nannette Sissell Endowment
The Trustmark National Bank Scholarship
The Roe Alma Weeks Endowment
The Garnett B. West, Sr. Endowment
The Lawrence “Bud” Young Endowment (Ranger rodeo team participant)

Members of Hinds Chapel or Horn Lake United Methodist Church
The Drew Young/Hinds Chapel & Horn Lake United Methodist Church Endowment

Members of Independence Presbyterian Church, Batesville
The Independence Presbyterian Church Endowment

Family Members of Active-Duty Military Personnel or Veterans
The Audrey Daron Lunsford Endowment
The American Legion Post No. 19 Endowment (residents of Tate County)
The Veterans of Foreign Wars Post No. 7531 Endowment (residents of DeSoto County)

Northcentral Electric Power Association (must be family’s electrical provider)
The Melvin E. (Dooney) Childress Endowment
The Wayne D. Hollowell Endowment
The Ray Magee Endowment

Ranger Baseball Team
The Tommy Brown Endowment
The J.K. and Norma Mote Endowment (graduates of Magnolia Heights)
The Danny and Dona Plumlee Baseball Scholarship
The Tony Roberson Endowment

Ranger Soccer Team
The Ranger Soccer Endowment
RR. Donnelley and Sons
The R.R. Donnelley and Sons Endowment (child or grandchild of employee)

Tallahatchie Valley Electric Power Association (must be family’s electrical provider)
The Tallahatchie Valley EPA Endowment
Graduation
All students expecting to become candidates for degrees or certificates must file an application for graduation with the Registrar by the announced deadline date found in the school calendar.

Requirements for Degrees
Northwest Mississippi Community College grants two associate degrees — the Associate of Arts Degree and the Associate of Applied Science Degree.

Associate of Arts Degree
The Associate of Arts Degree is awarded for programs designed as the first two years of a four-year college or university program leading to a Baccalaureate degree.
To graduate from the college with the Associate of Arts Degree a student must:
1. Earn a minimum of sixty-four (64) semester hours to include the thirty-three (33) semester hours listed in the Academic Core Curriculum.
2. Earn a minimum grade point of 2.0 on the sixty-four (64) semester hours.
3. Complete a minimum of twenty-seven (27) semester hours at Northwest Mississippi Community College in the area of study.
4. Complete the remaining courses designated by the program of study outlined in the college Bulletin.
5. Earn not more than eighteen (18) semester hours through the College Level Examination Program (CLEP), Advanced Placement Examination, or correspondence course work. No more than twelve (12) of these eighteen (18) semester hours may be correspondence course work.
6. Be in attendance the last semester prior to graduation.

Associate of Applied Science Degree
The Associate of Applied Science Degree is awarded for programs designed to meet the educational needs of students who are seeking preparation for employment in occupational fields not requiring a four-year degree.
To graduate from the college with the Associate of Applied Science Degree a student must:
1. Earn a minimum of sixty-four (64) semester hours to include the eighteen (18) semester hours listed in the Technical Core Curriculum.
2. Complete the remaining courses designated by the program of study.
3. Earn a minimum grade point of 2.0 on the sixty-four (64) semester hours.
4. Complete a minimum of twenty-seven (27) semester hours at Northwest Mississippi Community College in the area of study.
5. Earn not more than eighteen (18) semester hours through any combination of the following: College Level Placement Examination (CLEP), Advanced Placement Examination, or correspondence course work. No more than twelve (12) semester hours of these eighteen (18) semester hours may
be correspondence course work.
6. Be in attendance the last semester prior to graduation.

Career and Technical Certificates
Certificates for specific programs are awarded to students who successfully complete requirements for these programs of study as outlined in the college Bulletin. Students completing a one-year career program will receive a Career Certificate, and those students completing a two-year technical program will receive a Technical Certificate.

To graduate from the college with a certificate in a particular program of study a student must:

1. Make a passing grade and average a minimum 2.0 grade point on those courses required in the curriculum. Grades in the courses not listed in the curriculum will not be counted in calculating the grade point average.
2. Be in attendance the last semester prior to graduation.

Academic Core Curriculum
This core curriculum is designed for students who later plan to transfer with junior standing to one of the four-year colleges or universities in Mississippi. This core curriculum contains the core curriculum required by all colleges and universities under the State Board of Trustees, Institutions of Higher Learning. This core curriculum is incorporated in all transfer programs as outlined in this Bulletin.

- English Composition ...........................6 semester hours
- Public Speaking ...................................3 semester hours
- Humanities/Fine Arts ...............................6 semester hours
- Social/Behavioral Science .........................6 semester hours
- Natural Sciences .......................................6 semester hours
- Mathematics ........................................3 semester hours
- Basic Computer Skills ...............................3 semester hours
Total ......................................................33 semester hours

Approved courses for the Academic Core Curriculum are as follows:

English Composition ..............................6 Semester Hours
   ENG 1113 and ENG 1123
Oral Communication ..............................3 Semester Hours
   SPT 1113 Public Speaking I
Humanities/Fine Arts ..............................6 Semester Hours
   (Approved Choices)
   Fine Arts Electives
      ART 1113 Art Appreciation
      MUS 1113 Music Appreciation
      SPT 2233 Theatre Appreciation
   Humanities Electives
      ENG 2133 Creative Writing I
      ENG 2143 Creative Writing II
      ENG 2323 British Literature I
      ENG 2333 British Literature II
      ENG 2223 American Literature I
      ENG 2233 American Literature II
      ENG 2423 World Literature I
      ENG 2433 World Literature II
ENG 2513 Survey of African-American Literature
ENG 2613 Film as Literature
MFL 1113 French I
MFL 1123 French II
MFL 2113 French III
MFL 2123 French IV
MFL 1213 Spanish I
MFL 1223 Spanish II
MFL 2213 Spanish III
MFL 2223 Spanish IV
PHI 1113 Old Testament Survey
PHI 1133 New Testament Survey
PHI 2113 Introduction to Philosophy
PHI 2143 Ethics
PHI 2613 World Religions I
PHI 2713 Logic

Social/Behavioral Science 6 Semester Hours

GEO 1113 World Geography
GEO 1123 Principles of Geography
HIS 1113 Western Civilization I
HIS 1123 Western Civilization II
HIS 2213 American History I
HIS 2223 American History II
PSC 1113 American National Government
SOC 2113 Introduction to Sociology I
SOC 2123 Introduction to Sociology II
SOC 2133 Social Problems
SOC 2143 Marriage and Family
ECO 2113 Principles of Macroeconomics
ECO 2123 Principles of Microeconomics
PSY 1513 General Psychology
PSY 1523 General Psychology II
EPY/PSY 2533 Human Growth and Development
EPY/PSY 2513 Child Psychology

Natural Sciences Laboratory 6 Semester Hours

BIO 1113 Principles of Biology I
BIO 1123 Principles of Biology II
BIO 1133 General Biology I
BIO 1143 General Biology II
BIO 1213 Environmental Science
BIO 1313 General Botany I
BIO 1323 General Botany II
BIO 1533 Survey of Anatomy & Physiology
BIO 2513 Anatomy & Physiology I
BIO 2523 Anatomy & Physiology II
BIO 2414 General Zoology I
BIO 2424 General Zoology II
BIO 2923 Microbiology
CHE 1213 General Chemistry I
CHE 1223 General Chemistry II
CHE 1211
CHE 1221
CHE 1313 Principles of Chemistry I CHE 1311
CHE 1323 Principles of Chemistry II CHE 1321
CHE 2424 Organic Chemistry I CHE 2420
CHE 2434 Organic Chemistry II CHE 2430
PHY 1113 Introduction to Astronomy, Lecture PHY 1111
PHY 2243 Physical Science I, Lecture PHY 2241
PHY 2253 Physical Science II, Lecture PHY 2251
PHY 2413 General Physics I PHY 2411
PHY 2423 General Physics II PHY 2421
PHY 2513 Engineering Physics I PHY 2511
PHY 2523 Engineering Physics II PHY 2521

Mathematics 3 Semester Hours
(Approved Choices)
MAT 1313 College Algebra
MAT 1323 Trigonometry
MAT 1513 Business Calculus I
MAT 1523 Business Calculus II
MAT 1613 Calculus I
MAT 1623 Calculus II
MAT 2613 Calculus III
MAT 2623 Calculus IV
MAT 2113 Introduction to Linear Algebra
MAT 2913 Differential Equations

Basic Computer Skills 3 Semester Hours
CSC 1113 or higher
ART 1513 Computer Art (for Art majors only)

Technical Core Curriculum
The Technical Core Curriculum is designed for students who plan to complete the Associate of Applied Science Degree.* This Core Curriculum is incorporated in all programs of study leading to an Associate of Applied Science Degree as outlined in this Bulletin.

English Composition ..................................3 semester hours
Public Speaking ......................................3 semester hours
Humanities/Fine Arts .................................3 semester hours
Social/Behavioral Science .............................3 semester hours
Natural Science/Mathematics ........................3 semester hours
Basic Computer Skills ................................3 semester hours
Total ......................................................18 semester hours

* Developmental courses cannot be used as electives to meet graduation requirements.

Approved courses for the Technical Core Curriculum are as follows:

English Composition 3 Semester Hours
ENG 1113 or ENG 1123

Oral Communication 3 Semester Hours
SPT 1113 Public Speaking I

Humanities/Fine Arts 3 Semester Hours
(Approved Choices)
Fine Arts Electives
ART 1113 Art Appreciation
MUS 1113 Music Appreciation  
SPT 2233 Theatre Appreciation

**Humanities Electives**

- ENG 1123 English Composition II
- ENG 2133 Creative Writing I
- ENG 2143 Creative Writing II
- ENG 2323 British Literature I
- ENG 2333 British Literature II
- ENG 2223 American Literature I
- ENG 2233 American Literature II
- ENG 2423 World Literature I
- ENG 2433 World Literature II
- MFL 1113 French I
- MFL 1123 French II
- MFL 2113 French III
- MFL 2123 French IV
- MFL 1213 Spanish I
- MFL 1223 Spanish II
- MFL 2213 Spanish III
- MFL 2223 Spanish IV

**Social/Behavioral Science**

(Approved Choices)

- GEO 1113 World Geography
- HIS 1113 Western Civilization I
- HIS 1123 Western Civilization II
- HIS 2213 American History I
- HIS 2223 American History II
- PSC 1113 American National Government
- SOC 2113 Introduction to Sociology I
- SOC 2123 Introduction to Sociology II
- SOC 2143 Marriage and Family
- ECO 2113 Principles of Macroeconomics
- ECO 2123 Principles of Microeconomics
- PSY 1513 General Psychology
- PSY 1523 General Psychology II
- EPY/PSY 2533 Human Growth and Development
- EPY/PSY 2513 Child Psychology

**Natural Sciences/Mathematics**

(Approved Choices)

- AGR 1214 Animal Science  
  AGR 1210
- AGR 1313 Plant Science  
  AGR 1310
- AGR 2314 Soils  
  AGR 2310
- BIO 1113 Principles of Biology I  
  BIO 1111
- BIO 1123 Principles of Biology II  
  BIO 1121
- BIO 1133 General Biology I  
  BIO 1131
- BIO 1143 General Biology II  
  BIO 1141
- BIO 1213 Environmental Science  
  BIO 1211
- BIO 1313 General Botany I  
  BIO 1311
- BIO 1323 General Botany II  
  BIO 1321
- BIO 1533 Survey of Anatomy & Physiology  
  BIO 1531
- BIO 2513 Anatomy & Physiology I  
  BIO 2511
- BIO 2523 Anatomy & Physiology II  
  BIO 2521
BIO 2414 General Zoology I  BIO 2410
BIO 2424 General Zoology II  BIO 2420
BIO 2923 Microbiology  BIO 2921
CHE 1213 General Chemistry I  CHE 1211
CHE 1223 General Chemistry II  CHE 1221
CHE 1313 Principles of Chemistry I  CHE 1311
CHE 1323 Principles of Chemistry II  CHE 1321
CHE 2424 Organic Chemistry I  CHE 2420
CHE 2434 Organic Chemistry II  CHE 2430
PHY 1113 Introduction to Astronomy, Lecture  PHY 1111
PHY 2243 Physical Science I, Lecture  PHY 2241
PHY 2253 Physical Science II, Lecture  PHY 2251
PHY 2413 General Physics I  PHY 2411
PHY 2423 General Physics II  PHY 2421
PHY 2513 Engineering Physics I  PHY 2511
PHY 2523 Engineering Physics II  PHY 2521
MAT 1313 College Algebra
MAT 1323 Trigonometry
MAT 1513 Business Calculus
MAT 1523 Business Calculus II
MAT 1613 Calculus I
MAT 1623 Calculus II
MAT 2613 Calculus III
MAT 2623 Calculus IV
MAT 2113 Introduction of Linear Algebra
MAT 2913 Differential Equations

Basic Computer Skills  3 Semester Hours
BOT 1133 Microcomputer Applications or higher (computer related)
CAT 1213 Introduction to Graphic Interface Computers
CAT 2313 Basic Advertising Design I
CAT 2323 Basic Advertising Design II
CPT 1323 Survey of Microcomputer Applications
CSC 1113 Computer Concepts or higher
DDT 1313 Principles of CAD
DDT 2323 Advanced CAD
GRA 1113 Engineering Graphics
MST 2714 Computer Numerical Control Operations I
MST 2725 Computer Numerical Control Operations II

Application for Graduation
Application for graduation in the spring should be filed with the Registrar by February 1. Application for graduation in the fall should be filed before mid-semester, and summer graduation before the end of the first summer term. Students graduating in the spring are expected to participate in the graduation exercises.

Credits and Grades

Course Placement
Northwest Mississippi Community College requires applicants for admission to the college to be tested prior to completion of the registration process. Northwest utilizes the ACT exam as well as department test results for placement in English,
Math, and Reading classes. Students with an English sub-score of 17 or above are placed in ENG 1113 English Composition. Students with an English ACT sub-score of 16 or below are placed in ENG 0113 Beginning English and Reading. Students with no ACT score must take the NWCC English Writing Exam. Students with a Math ACT sub-score of 19 or above and completing two years of high school Algebra are placed in MAT 1313, College Algebra. Students with an ACT composite score of 16 or above are not required to take Reading. ACT scores of 13-16 are placed in REA 1223, Reading Enhancement II, and scores of 12 or below are placed in REA 1213, Reading Enhancement I.

The Semester Hour
The unit of credit is the semester hour. A semester hour, as defined by the Mississippi Community College Board, is a minimum student-teacher contact of 750 minutes for lecture, and 1,500 minutes for laboratory credit. This does not include time spent in registration or final examinations.

Grading Symbols
A final grade is the instructor’s evaluation of the student’s work and achievement throughout a semester’s attendance in a course. Factors upon which the final grade may be based are attendance, recitation, written and oral quizzes, reports, papers, final examination, and other class activities. The evaluation will be expressed according to the following letter system:

<table>
<thead>
<tr>
<th>Passing Grades</th>
<th>Grading With No Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A – Excellent</td>
<td>F – Failure</td>
</tr>
<tr>
<td>B – Good</td>
<td>I – Incomplete</td>
</tr>
<tr>
<td>C – Satisfactory</td>
<td>W – Official Withdrawal</td>
</tr>
<tr>
<td>D – Lowest Passing Grade</td>
<td>N – Audit Grade</td>
</tr>
</tbody>
</table>

Grades of “F” will not be counted against a student’s grade point average provided the course has been repeated and a better grade earned. The student’s grade point average on the student’s academic record card will reflect the true average, although the student’s grade report will not discount “F” grades that have been repeated.

When a student repeats a passed course (“D” or “C”) for grade improvement the better grade becomes the official grade of record.

F Grade
A grade of “F” is recorded: (1) if the student has excessive absences; (2) if the student has failed on the combined evaluation through the semester and the final examination; (3) if the student fails to submit a paper for final examination or fails to attend the final examination and offers no acceptable reason for absence; (4) if the student officially withdraws from a course after the published date for course withdrawal and was failing the course at the time of withdrawal; and (5) if the student drops the course without completing official withdrawal procedures.

I Grade
An incomplete grade may be assigned if, upon completion of a grading period, unavoidable circumstances have kept the student from meeting some course requirements. An incomplete grade is not allowed on the basis of course deficiency not caused by an unavoidable circumstance. The “I” grade must be removed by the end of the semester that immediately follows the semester in which the “I” grade was given. If the incomplete is not removed in this period of time, it automatically be-
comes an “F” grade. The “I” grade is computed as an “F” grade until the course requirements are met to the instructor’s satisfaction.

**W Grade**
The “W” grade is recorded if the student officially withdraws from a course before the last day specified in the College Calendar. However, the student must be passing the course to receive the “W” grade if the student officially withdraws after the specified date. The student may not receive the “W” grade in a course if the student has already been given an “F” grade because of excessive absences. The “W” grade is not computed in determining the grade point average.

**N Grade**
The “N” is recorded for those students auditing a course, and this grade is not computed in determining a student’s grade point average.

**Grade Reporting**
Students may access their grades at the end of the first nine weeks of school and at the end of the semester by logging into their student account via the Northwest website. End of the semester grades will be mailed to the address given by the student.

**Grade Change Policy**
Students can petition for review of a grade within 30 calendar days after the first class day of the next semester by the following procedure:

1. Obtain a “Request for Grade Change” form from the Registrar.
2. Take the form to the instructor to be filled out.
3. Take the form to the division director for signature.
4. Take the form to the dean (academic or career-tech) or center dean for approval.
5. The respective dean or center dean will forward the request to the Registrar for action.

**Student Grade Appeal Procedure**
The grade appeal procedure is designed to provide a student with a procedure for appealing the assignment of a course grade which is believed to be based on prejudice, discrimination, arbitrary or capricious action, or other reasons not related to academic performance. In all cases the student shall have the burden of proof with respect to the allegations in the complaint and in the request for a hearing. If the student fails to pursue any step of the procedure outlined below, the disposition of the student’s complaint made in the last previous step shall be final. All correspondence and records will be retained in the campus dean’s office. The grade appeal procedure involves the following steps:

1. The student shall submit the complaint in writing to the Division Director or appropriate dean within 15 days from the date the grade was received.
2. The Division Director or appropriate dean will attempt to resolve the complaint in conference between the student and the instructor, to be held within 15 days from the date the complaint was received. If the Division Director was the instructor of the course involved in the complaint, the written complaint of the student shall be submitted to the appropriate dean.
3. If the complaint is not resolved in step 2, the student may submit the com-
plaint to the appropriate dean’s office within 15 days from the date of the dissolution of step 2.

(4) If the appropriate dean does not resolve the complaint the student may appeal in writing to the Vice President for Educational Affairs for a hearing within 15 days from the date of the dissolution of step 3. If the complaint is not resolved at this level, the student may request a hearing before the Student Grade Appeals Committee. This request must be submitted in writing to the Vice President for Educational Affairs within 15 days following the Vice President’s decision in the matter.

(5) The Northwest Mississippi Community College Student Grade Appeals Committee shall be composed of seven members and constituted as follows: a Chairperson designated by the President, three faculty members selected by the President, and three students who serve as officers of the Student Government Association. Alternate students may be chosen by the Vice President for Educational Affairs.

Auditing a Course
To audit a course means to enroll as a student in a course and attend in the usual manner, but without credit or grade. Declaration of intention to audit must be made at the time of registration. Regular fees are charged for auditing.

Declaration of Majors
Every student must indicate an intended major field of study during the registration process.

Change of College Major
Students who wish to change their major should go to the appropriate counseling center for advisee assignment. Students must recognize that changing their major could result in having completed courses that will not apply to their new major. Students desiring veteran’s benefits must also secure approval of the veteran’s advisor. Failure to do so may result in loss of benefits.

Class Attendance Policy
Regular and punctual attendance at all scheduled classes is expected of all students and is regarded as integral to course credit. There are times, however, when students must miss class. Nevertheless, if a student’s absences exceed the equivalent of two weeks of class meetings, that student will be withdrawn from the class with a grade of “F.” Online courses have additional information regarding class attendance included in the instructor’s Course Outline.

Students are expected to be prompt in class attendance. A student is counted absent from class if he or she misses more than 10 minutes of a class meeting. Three tardies constitute one absence.

Particular policies and procedures on absences and makeup work are established for each class and are announced in writing at the beginning of the term. Each student is directly responsible to the individual instructor for absences and for making up work missed. The instructor reserves the right to remove from the classroom any student whose conduct is disruptive to the learning process.

A student who has been reported as having excessive absences has the right to appeal.
For more information about the appeal process, contact the Center Dean or the Associate Vice President for Educational Affairs.

Official Absences
Official absences are absences caused by a student representing the College for an approved function. These absences shall not count toward the student’s total absences.

Cheating/Plagiarism Appeal Procedure
Students who wish to appeal the decision of their instructor with regards to an allegation of cheating or plagiarism should notify the Associate Vice President for Educational Affairs or the appropriate Dean in writing within one (1) week of the formal decision by their instructor. The Associate Vice President or appropriate Dean will, within a reasonable amount of time, convene an Ad Hoc Committee to hear the student’s appeal and will notify the student in writing of the date, time, and location of the hearing. The Ad Hoc Committee will be chaired by the Associate Vice President or appropriate Dean and may consist of up to two (2) faculty members and two (2) students. The Committee will review all supporting documentation and hear from the accused student in person. The accused student may submit any documentation and present witnesses in his/her defense at that time. The Committee will render a decision following the hearing and the decision of the Committee is final.

Intellectual Property Rights Policy
All work products created or produced using the College’s resources, facilities or time are considered to be property of Northwest Mississippi Community College. Products developed on personal time using personal resources shall be deemed property of the individual. All revenue derived from College-owned products is unrestricted for institutional budgeting purposes, while any revenue gained from individually-owned work products is discretionary for the developer. This policy is applicable to all faculty, staff and students.

Standards of Academic Progress
A student, to move assuredly toward a degree should maintain the following grade point average:

<table>
<thead>
<tr>
<th>Total Semester Hours</th>
<th>Cumulative Grade Point Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-6</td>
<td>1.25</td>
</tr>
<tr>
<td>7-12</td>
<td>1.35</td>
</tr>
<tr>
<td>13-20</td>
<td>1.55</td>
</tr>
<tr>
<td>21-35</td>
<td>2.00</td>
</tr>
<tr>
<td>36-49</td>
<td>2.00</td>
</tr>
<tr>
<td>50-64</td>
<td>2.00</td>
</tr>
<tr>
<td>For Graduation</td>
<td>2.00</td>
</tr>
</tbody>
</table>

If a student fails to maintain the minimum GPA on the scale (6 hours passed with a minimum semester GPA of 1.25), the student is placed on “Academic Probation” at the end of the semester. A student who is placed on Academic Probation is eligible for immediate readmission for the following semester. If the student fails to attain the prescribed GPA in the subsequent semester (12 hours passed with a minimum cumulative
If the student's cumulative GPA is 1.35, the student is placed on “Final Probation” but is considered making progress toward a degree. The student who is on Final Probation is then given one more semester to attain a cumulative grade point average of 1.55 with 20 semester hours passed.

A student who does not achieve the designated cumulative GPA will be placed on “Academic Dismissal.” This means that the student is dismissed from the college for failure to maintain standards of academic progress and may not enroll the subsequent semester.

A student who is academically dismissed may submit a written petition for consideration to be readmitted to the college. This petition should be sent to Larry Simpson, Chair, Admission Committee, NWCC, Senatobia, MS, 38668. The student will be notified in writing of the committee’s decision regarding the petition.

Academic Probation

Standards of satisfactory academic progress for full-time and part-time students must be the same as those required to maintain financial aid eligibility. (See SATISFACTORY ACADEMIC PROGRESS POLICY on pages 50-53.

Withdrawal from School

A student who finds it necessary to withdraw from school for any reason should do so properly. The proper withdrawal procedure is as follows:

1. Students are to pick up the withdrawal form from the Student Development Center on the Senatobia campus or the Academic or Career-Technical counselor’s office at the Centers, where the student will be instructed as to the proper withdrawal procedure.
2. After obtaining the required signatures, the student turns the withdrawal form in to the Center Dean or if withdrawing from the Senatobia campus, to the cashier’s office in the Administration Building.
3. Refund of any payment due will be made at the Business Office.

A student who properly and officially withdraws will receive a grade of “W” (official withdrawal) in all classes. Withdrawal must be made prior to exam week. An unofficial withdrawal is attributed to a student who leaves Northwest without going through the published withdrawal procedures. This unofficial withdrawal will result in the student receiving “F” grades in all classes.

Change of Schedule

Students should set up their program of study and schedule with extreme care and exert every effort to keep that schedule. Regulations concerning a change of schedule are:

All schedule changes must be cleared through the Registrar’s Office or Center Dean’s Office and the student’s faculty adviser.

Adding a Course

1. A new course cannot be added after the end of the second week following registration.

Dropping a Course

1. A new course cannot be dropped after the end of the second week following registration.
Withdrawing From a Class

A student may withdraw from a class passing or failing through the ninth week of school. This does not apply to courses with “F” based on attendance policy.

(For exact date, see college calendar. After the ninth week, the student must be passing the course to withdraw from that course. If the student carries out the entire class withdrawal procedure correctly, he/she will receive a grade of “W” for that course.)

Procedures for Adding a Course or Withdrawing from a Course

1. Pick up proper form in the Student Development Center in the McLendon Center Student Union and/or Center Dean’s Office.
2. The student must obtain the signature of his/her instructor.
3. Submit completed form to Student Development Center or Center Dean’s Office.

Course Load

The normal load of work is from 12 to 18 semester hours. No student may enroll for more than 19 hours in one semester without the approval of the adviser and the appropriate dean or the Associate Vice President for Educational Affairs.

Classification

Students are classified according to the following standards:

- Freshman - 0 to 23 semester hours;
- Sophomore - 24 or more semester hours.

Academic Record-Transcript

Release Policy

One of the major services of the Registrar’s Office is to maintain accurate and permanent records of a student’s academic work while the student is enrolled at Northwest. In accordance with the rules and regulations governing the release of these records, the Registrar’s Office follows these policies:

1. Before a transcript can be released, all admission papers must be on file in the Registrar’s Office – transcript(s), GED scores if applicable, and ACT scores or SAT.
2. No transcript can be released if the student has a “balance due” in the Business Office. The student’s account must be paid in the Business Office by cash, money order, or bank check, and receipt taken to the Registrar before a transcript can be released.
3. Written authorization from the student must be submitted to the Registrar’s Office. Currently enrolled students may go the Registrar’s Office to complete a transcript request form.
4. Transcripts sent to other colleges, employers, or agencies will bear the official college seal and will be an official transcript. Transcripts sent directly to the student that makes the request will not bear the college seal and will be an unofficial transcript. Official Transcripts can only be sent directly to other colleges, employers, and agencies.
5. Employers or other agencies who request information about a Northwest student should get the signature of the person in question before sending a
request. This signature serves as authorization for this office to release information.

6. In 1974 the Congress of the United States enacted the Family Educational Rights and Privacy Act of 1974 (Buckley Amendment). This act related to the rights of access assures certain privacy of students’ records. The Office of the Registrar has recommended and President Gary Lee Spears has approved the following policy in regard to this act.

This act provides students or parents of dependent students (children or wards claimed for income tax purposes) the right to review, inspect, and challenge the accuracy of information kept in the “office of record” of the institution. They may do so by contacting in person the head of the divisions indicated at the location of the “office of record.”

A repository or “office of record,” for “personally identifiable” information relating to students is maintained, according to the designated data, at the locations listed below.

A. Records accessible to a student and his/her parents as indicated above.
   1. Registrar’s Office
      a. Academic records
      b. Permanent file of personal data for all students
      c. Course enrollments
      d. Official transcripts for all schools
      e. Application for Admission files, including test scores
   2. Athletic Department
      a. Data on athletes’ competitive abilities
   3. Financial Aid
      a. Application and certification
   4. Student Affairs
      a. Disciplinary records
   5. Business Office
      a. Fiscal records

Unofficial copies of records and official copies of records (certified with Northwest seal) may be obtained by contacting the Registrar’s Office. These documents will be released upon written authorization. (Charges are subject to change.)

B. “Directory Information”

The following categories of information have been designated by Northwest as “Directory Information,” and as such may be used as a matter of public record. However, should a student desire that this information not be released, it will be withheld if notification is given in writing to the Registrar within three weeks after the first day of class registration.

1. The student’s name
2. Address
3. Telephone listing
4. Date and place of birth
5. Major field of study
6. Participation in officially recognized activities and sports
7. Weight and height of member of athletic teams
8. Dates of attendance
9. Degrees, awards, and honors
10. The most recent previous educational agency or institution attended by the student
11. School or college year (freshman or sophomore)
12. Degree sought
13. Class schedule
14. E-mail address

C. Other items
1. Except as provided by the law, data released to outside sources will be in aggregate form and no “personally identifiable” records will be made available.
2. When grades are reported, copies will be mailed to the student at his/her home address.
3. Should you have questions or object to the policy stated above, you are encouraged to discuss your concern with the Registrar, who is located in Yalobusha Hall. Policy appeals may be made by written petition to Larry Simpson, Registrar, Northwest Mississippi Community College, Senatobia, MS, 38668. A hearing will be afforded the petitioner, if requested. Students will be informed, in writing, as to the disposition of the petition.
4. In the event any part of this policy is in conflict with state or federal law, statutory or judicial decisions will govern access to records.
5. All official non-credit records of the College are maintained in the Registrar’s Office. Additionally, only the Registrar is authorized to issue official transcripts of non-credit work.

Honors

A student who has earned an average of 3.50 through 3.79 quality points per semester hour is entitled to be graduated with honors.

A student who has earned an average of 3.80 to 3.99 quality points per semester hour is entitled to be graduated with special honors.

A student who has earned an average of 4.00 quality points per semester hour is entitled to be graduated with highest honors.

An honor that may be conferred on a student is selection for the annual Hall of Fame by the administrative staff and faculty of the college. Students are selected annually by a majority vote of the faculty and staff for this honor. Qualifications for nominations for the Hall of Fame are based on high qualities of leadership, character, scholarship, and participation in college activities.

President’s List, Dean’s List & Career-Tech Honors List

The honors lists are announced at the end of each semester. To be eligible a student must be classified as a full-time student. Criteria are as follows:

1. President’s List: 3.75 quality points to 4.0 quality points
2. Dean’s List: 3.5 quality points to 3.74 quality points
3. Career-Tech Honors List: students must show outstanding progress in their chosen field of study

Honors Program

Northwest Mississippi Community College strives to meet the needs of the academically advanced student in a variety of ways. First, qualified students can request an Honors contract in any course in which they are enrolled. Teacher and student
agree on accelerated or enhanced requirements to be completed by semester end. No penalty is levied for attempting an Honors contract and not completing it.

Second, the college promotes active Phi Theta Kappa chapters to meet both academic and social needs of our students. Among the benefits of membership are transfer scholarships to learning institutions in Mississippi and across the nation; the opportunity to meet and work with other members in our state; and a chance to compete for recognition on a national level in a variety of ways.

Northwest has a strong commitment to offering several ways in which our advanced students can continue to be challenged.
PROGRAMS OF STUDY
**ACADEMIC EDUCATION**

The Mississippi Board of Trustees of State Institutions of Higher Learning and the Mississippi State Board for Community and Junior Colleges reached in 1991 an articulation agreement on the transfer of student course work between state universities and community colleges. This agreement provides for the smooth transfer of 166 programs of study offered by the universities. Each university will accept the courses listed on a particular transfer program without loss of credit toward the conclusion of the four-year degree. It is intended that this articulation agreement be a minimum program transfer for all students moving from the community college to the university system — acting as a “safety net” for transfer students. The agreement does not replace any individual articulation agreement between a particular community college and a university which would allow additional courses to transfer into a specific program of study. For purposes of advising Northwest students, a copy of the Articulation Agreement has been placed in the office of every faculty adviser.

**DIVISION OF BUSINESS**

**Accountancy (Major Code 205)**

Advisers: Arrington, Norton, B. Johnson

*Major can be completed fully online.*

The accountancy curriculum is designed to provide the necessary background for admission to a school of accountancy at a senior institution. The student who satisfactorily completes this curriculum is eligible for the Associate of Arts degree.

**FRESHMAN YEAR**

<table>
<thead>
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<tbody>
<tr>
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<tr>
<td>*CSC 1113, Computer Concepts or CSC 1123 Computer Apps. I ......</td>
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**SOPHOMORE YEAR**

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* Students must consult with adviser and follow the catalog of the institution to which they are transferring before choosing a specific course.
Business Administration (Major Code 218)

Advisers: Bolen, B. Johnson, Cornelius, Norton, Pagels, Stewart

Major can be completed fully online.

Students who are interested in majoring at the senior college level in a specific area of business, such as banking and finance, business management, financial planning, health care administration, health care information systems, human resource management, insurance and risk management, international business, marketing, marketing communications, production management, pharmaceutical sales and real estate should follow this curriculum. The student who satisfactorily completes this curriculum is eligible for the Associate of Arts degree. This program is transferable to most senior institutions and will lead to the Bachelor of Business Administration degree.

FRESHMAN YEAR

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<tr>
<th>First Semester</th>
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*History or Foreign Language | ..............3 |  |
| CSC 1123, Computer Apps. I | ..............3 |  |
| MAT 1313, College Algebra or Higher Math | ..................3 |  |
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| Fine Arts Elective | ..................3 |  |
| MAT 1513, Bus. Calculus I | ..................3 |  |
| **Total** | 15 |  |

SOPHOMORE YEAR

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<th>Second Semester</th>
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<tr>
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</table>
*Approved Elective | ..................3 |  |
| **Total** | 16 |  |

Suggested Electives:
- BAD 2523, Personal Financial Management
- BOA 2533, Word Processing I
- MAT 1523, Business Calculus II
- CSC 1113, Computer Concepts
- CSC 1133, Computer Applications II
- CSC 1213, Visual BASIC Programming
- Foreign Language

* Students must consult with adviser and follow the catalog of the institution to which they are transferring before choosing a specific course.
Business and Computer Teacher Education  
(Major Code 220)  

Adviser: Stewart  

Major can be completed fully online.  

This curriculum is designed to prepare a student to teach secondary business subjects after receiving a degree from a senior institution. The student who has satisfactorily completed this curriculum is eligible for the Associate of Arts degree. Due to varied requirements of Schools of Education at the senior institutions, this program of study may be adjusted to comply with the requirements of the school to which the student is transferring.  

FRESHMAN YEAR  

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SOPHOMORE YEAR  

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<td>BAD 2413, Legal Environ. of Bus.........3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
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</table>

Approved Business Electives:  
BAD 2523, Personal Financial Management  
CSC 1223, Visual BASIC Programming II  
CSC 1613, Computer Programming I (JAVA)  
CSC 2134, Computer Programming I with C++  
CSC 1133, Computer Applications II  

* Mississippi State University accepts SPT 2233, Theatre Appreciation; MUS 1113, Music Appreciation and ART 1113, Art Appreciation as a Fine Arts elective.
Computer/Management Information Systems
(Major Code 213)

Advisers: G. Hall, Mounger, Scherer, Swinney

Computer Information Systems is the major field providing a variety of courses for students interested in the use of computers in a business environment. Students receive classroom instruction in computer concepts and techniques and engage in extensive laboratory work to supplement this instruction. Satisfactory completion of this curriculum entitles the student to an Associate of Arts degree.

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<tbody>
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<td>CSC 1123, Computer Apps. I</td>
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Total 15

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Total 18

SOPHOMORE YEAR

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Total 16

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<tbody>
<tr>
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<td>CSC Programming Language II</td>
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<td>SPT 1113, Public Speaking I</td>
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<tr>
<td>Laboratory Science</td>
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Total 16

Note: To determine specific course requirements consult the catalog of the university or college to which you plan to transfer. Approved courses may be substituted in the Computer Information Systems program in accordance with the specific requirements of the senior college.
Computer Science (Major Code 712)

Advisers: G. Hall, Mounger, Pagare, Swinney

Most senior colleges offer both a Bachelor of Arts and a Bachelor of Science degree in computer science. The University of Mississippi and Mississippi State University also offer through their engineering schools a computer science degree that does not have a foreign language requirement. Since the requirements are all slightly different, the curriculum at Northwest will be varied to fit the needs of the student. The suggested schedule is one that most closely fits the requirements for the Bachelor of Science degree. Satisfactory completion of this curriculum entitles the student to the Associate of Arts degree.

Computer Science is very mathematical. If a student has less than a 15 composite score on the ACT, proficiency must first be determined in college algebra by making no less than a grade of C.

### FRESHMAN YEAR

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<td>CSC 2623, Comp. Prog. II (JAVA) or CSC 2144, Comp. Prog. II w/C++</td>
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**LAB SCIENCE ELECTIVES include BIO 1134, CHE 1214 or CHE 1224
**SOCIAL SCIENCE ELECTIVES include ECO 2113, GEO 1113, GEO 1123, PHI 2113, PHI 2613, PHI 2713, PSC 1113, PSY 1513, SOC 2113
***MSU requires CSC 1613 and 2623 OR CSC 2134 and 2144. USM also suggests CSC 2844 in addition to CSC 1613 and 2623.

Approved courses may be substituted in the Computer Science program in accordance with specific requirements of the senior institutions.

Note: Varying hours is dependent upon the programming language taken. CSC 1613 and CSC 2623 will result in 3 credit hours earned per class upon successful completion of the course. CSC 2134 and CSC 2144 constitutes 4 hours per class.
Marketing Communications/Public Relations Management  
(Major Code 417)

Advisers: Bolen, B. Johnson, Stewart

Major can be completed fully online.

Students who are interested in majoring at the senior college level in the areas of Public Relations and Reputation Management, Newspaper Management, Broadcast Management or Magazine Publishing should follow this curriculum. The student who satisfactorily completes this curriculum is eligible for the Associate of Arts degree. This program is transferable to the University of Mississippi and will lead to the Bachelor of Business Administration degree.

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<td>CSC 1123, Computer Apps. I</td>
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Office Administration (Major Code 240)

Advisers: Rutledge, Stewart

*Major can be completed fully online.*

This curriculum is designed for those students who wish to continue study in office administration at a four-year institution or to enter the job market immediately. Graduates are eligible for the Associate of Arts degree. **

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<th>First Semester</th>
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<td>Approved Business Electives:</td>
<td>CSC 1133, Computer Applications II</td>
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<td>Approved Electives:</td>
<td>Literature Elective</td>
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<td>PSC 1113, American Government</td>
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<td>MAT 1233, Intermediate Algebra</td>
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<tr>
<td>History Elective</td>
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</table>

* Mississippi State University accepts SPT 2233, Theatre Appreciation; MUS 1113, Music Appreciation and ART 1113, Art Appreciation as a Fine Art elective.

** Due to varying requirements of senior institutions, this program of study may be adjusted to comply with the requirements of the school to which the student is transferring.
Pre-Health Information Management (Major Code 127)
Advisers: Stewart, Robison

This program is designed for the student to take the first two years of course work at Northwest Mississippi Community College and apply to The University of Mississippi Medical Center in Jackson for junior and senior years of course work.

The health record administrator is the professional member of the health care team who is responsible for the management of medical and other health records practice consistent with the medical, administrative, ethical and legal requirements of the health care delivery system. An Associate of Arts degree is awarded by Northwest upon completion of the curriculum below.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
<td>3</td>
<td>ENG 1123, Eng. Comp. II</td>
<td>3</td>
</tr>
<tr>
<td>MAT 1313, College Algebra</td>
<td>3</td>
<td>Fine Arts Elective</td>
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</tr>
<tr>
<td>BIO 2513, A &amp; P I</td>
<td>3</td>
<td>BIO 2523, A &amp; P II</td>
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</tr>
<tr>
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<td>BIO 2521, A &amp; P II Lab</td>
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<tr>
<td>PSY 1513, Gen. Psychology I</td>
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<td>SPT 1113, Public Speaking I</td>
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<td>CSC 1123, Computer Applications I</td>
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<td>*Economics</td>
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</table>

*S  Students must consult with adviser and follow the catalog of the institution to which they are transferring before choosing a specific course.

Evidence of observations in a Medical Records Department is recommended.

Note: At the University of Mississippi Medical Center in Jackson, this program is called Health Information Management. Other schools call this Medical Record Administration.

This program at The University of Mississippi Medical Center is offered online the junior and senior year.
DIVISION OF EDUCATION

Elementary Education (Major Code 305)

Advisers: Correro, Hawkins, Simpson, Wilbourn, Hale, J. Jones, Aaron, Terrell

*Major can be completed fully online.*

This course of study is designed for a student who plans to teach in elementary schools. Satisfactory completion of the curriculum entitles the student to the Associate of Arts degree.

**FRESHMAN YEAR**

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<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
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<td>PSC 1113, Am. National Govt. or</td>
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<td>SPT 1113, Public Speaking I .............3</td>
<td>SOC 2113, Intro. to Sociology I or</td>
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<td>*CSC 1123, Computer Applications...3</td>
<td>SOC 2123, Intro. to Soc. II ............3</td>
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<td>ART 1113, Art Appreciation or</td>
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<td>SPT 2233, Theatre Appreciation...3</td>
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<td>SPT 2233, Theatre Appreciation...3</td>
<td>Biological Science with Lab............4</td>
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Total 15

**SOPHOMORE YEAR**

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<td>ENG 2233, 2333 or 2433, Lit. II.......3</td>
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<td>Concentration/Electives ................3-4</td>
<td>MAT 1733, Geometry, Measurement</td>
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<tr>
<td>MAT 1723, Real Number System........3</td>
<td>and Probability........................3</td>
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<tr>
<td>GEO 1113, Geography ....................3</td>
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Total 16-17

*May substitute CSC 1113 Computer Concepts or higher level computer course.*

It is *strongly recommended* that students complete the Praxis Core Academic Skills for Educators (formerly Praxis I) examination prior to transferring (if required).

**Endorsement Areas**

For Mississippi K-6 Licensure in elementary education, the Mississippi Department of Education requires that candidates have completed at least 18 hours, in each of two endorsement areas, with no grade lower than a C. In addition, some IHL universities also offer elementary education programs, K-6 with two add-on endorsements. In these programs, candidates earn an additional 3 hours, or 21 hours in each of the two endorsement areas, with no grade lower than a C. These programs prepare the students for Mississippi K-6 licensure, with add-on licenses for grades 7-12 in the two endorsement areas. English, General Science, Math, and Social Studies are endorsement areas accepted by all eight IHL universities. Acceptable transfer courses for these endorsement areas are as follows:
ENGLISH: ENG 1113, 1123, 2223, 2233, 2323, 2333, 2423, 2433

SOCIAL STUDIES: HIS 1113, 1123, 1163, 1173, 2213, 2233; GEO 1113; PSC 1113; SOC 2113, 2123, 2143; ECO 2113, 2123

MATHEMATICS: MAT 1313, 1323, 1343, 1613, 1623, 1723, 1733, 2113, 2323, 2613, 2623, 2913

GENERAL SCIENCE: (courses must have labs)
BIO 1113/1111 or BIO 1123/1121 or BIO 1133/1131
BIO 1143/1141, BIO 1213/1211 or BIO 1313/1311
BIO 1323/1321 or BIO 2414 or BIO 2424
BIO 2513/2511, BIO 2523/2521 or BIO 2524
BIO 2923/2921
PHY 1213, PHY 2243/2241 or PHY 1113/1111
PHY 2253/2251, PHY 2413/2411 or PHY 2423/2421
PHY 2513/2511, PHY 2523/2521
CHE 1211/1213, CHE 1221/1223 or CHE 1311/1313
CHE 1321/1323 or CHE 2424, CHE 2434

Some institutions accept endorsements in the K-12 areas of Music (instrumental or vocal for Mississippi licensure), Art, Foreign Language (one specific language for Mississippi licensure) or Physical Education. Contact the university for a listing of courses for the following endorsement areas:

Music: ASU, JSU, MSU, MVSU, UM, USM
Art: JSU, MSU, UM, USM
Foreign Language: JSU, MSU, UM, USM
Physical Education: ASU, JSU, MSU, MVSU, USM

Note: Check equivalencies to avoid duplication of science courses.

Exercise Science (Major Code 345)
Adviser: Weldy, Burton, Monteith

The curriculum is primarily for an exercise science major who plans to continue a college education beyond the community college level. Satisfactory completion of this curriculum entitles the student to the Associate of Arts degree.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
<td>3</td>
<td>ENG 1123, Eng. Comp. II</td>
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<tr>
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<td>History Elective</td>
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<tr>
<td>MAT 1313, College Algebra</td>
<td>3</td>
<td>MAT 1323, Trigonometry or</td>
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</tr>
<tr>
<td>BIO 2513, A &amp; P I</td>
<td>3</td>
<td>BIO 2523, A &amp; P II</td>
<td>3</td>
</tr>
<tr>
<td>BIO 2511, A &amp; P I Lab</td>
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<td>BIO 2521, A &amp; P II Lab</td>
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<tr>
<td>HPR 1213, Health</td>
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<td>HPR 2213, First Aid</td>
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## SOPHOMORE YEAR

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<th>Second Semester</th>
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<tr>
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<td>Humanities Elective</td>
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<tr>
<td>Fine Arts Elective</td>
<td>3</td>
<td>***CSC 1123, Comp. Applications</td>
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<tr>
<td>***CHE 1313/1213, Chemistry I</td>
<td>3</td>
<td>SPT 1113, Public Speaking I</td>
<td>3</td>
</tr>
<tr>
<td>***CHE 1311/1211, Chem. I Lab</td>
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<td>PSY 1513, Psychology</td>
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<tr>
<td>***PHY 2413, Physics I</td>
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<td>MAT 2323, Statistics</td>
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<td>***PHY 2411, Physics I Lab</td>
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<tr>
<td>SOC 2113, Intro. to Sociology</td>
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<tr>
<td><strong>Total</strong></td>
<td>17</td>
<td>*<strong>Total</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

* substitute FCS 1253 Nutrition if transferring to University of Southern Mississippi

** substitute EPY 2533 Human Growth and Development

*** Choose two Sciences based on college:

- UM: CHE 1313/1213 and corresponding lab & PHY 2413 and corresponding lab
- MSU: Two of the following three: CHE 1313/1213 and CHE 1311/1211, BIO 1113/BIO 1133 and BIO 1111/1131, BIO 1123/1123 and BIO 1121/1141

**** may substitute CSC 1113 or higher computer course

History electives: HIS 1113, HIS 1123, HIS 1163, HIS 1173, HIS 2213, HIS 2223
Literature electives: ENG 2223, ENG 2233, ENG 2323, ENG 2333, ENG 2423, ENG 2433
Humanities electives: (UM) PHI 2113, PHI 2613, PHI 2713

## Health and Physical Education (Major Code 340)

Advisers: Foster, Weldy, Burton, Monteith

This course is primarily for a physical education major who plans to continue a college education beyond the community college level. Satisfactory completion of this curriculum entitles the student to the Associate of Arts degree.

## FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
<td>3</td>
<td>ENG 1123, Eng. Comp. II</td>
<td>3</td>
</tr>
<tr>
<td>BIO 1113, Principles of Biology I</td>
<td>3</td>
<td>BIO 2513, A &amp; P I</td>
<td>3</td>
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<tr>
<td>BIO 1111, Prin. of Bio. I Lab</td>
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<td>BIO 2511, A &amp; P I Lab</td>
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<td>HIS 2213, Am. Hist.</td>
<td>3</td>
<td>***Humanities/Social Sci. Elective</td>
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<tr>
<td>HPR 1213, Personal/Comm. Health I</td>
<td>3</td>
<td>SPT 1113, Public Speaking I</td>
<td>3</td>
</tr>
<tr>
<td>**Fine Arts Elective (art/music/theatre)</td>
<td>3</td>
<td>MAT 1313, College Algebra</td>
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<tr>
<td><strong>Total</strong></td>
<td>16</td>
<td><strong>Total</strong></td>
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## SOPHOMORE YEAR

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<th>First Semester</th>
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<th>Second Semester</th>
<th>Semester Hours</th>
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</thead>
<tbody>
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<td>***ENG 2223/2323 Literature</td>
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<tr>
<td>Behav. Sciences/Fine Arts Elective</td>
<td>3</td>
<td>Behav. Sciences/Fine Arts Elective</td>
<td>3</td>
</tr>
<tr>
<td>SOC 2113, Intro. to Sociology</td>
<td>3</td>
<td>HPR 2213, First Aid &amp; CPR</td>
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<tr>
<td>HPR 1313, Intro. to HPER</td>
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<td>#HPR Elective</td>
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<td>*Approved Elective</td>
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<td>Humanities</td>
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<td><strong>Total</strong></td>
<td>15</td>
<td><strong>Total</strong></td>
<td>17</td>
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^ Passing scores for the Praxis Core Academic Skills for Educators (formerly Praxis I) or an appropriate ACT score (at least 21 with no subtest scores lower than 18) or SAT score (860 composite) are required for admission into the Teacher Education Program and for most education scholarships at the senior universities. Please visit the Praxis website at www.ets.org/praxis and see your adviser for more information.

100 • Academic Education
Due to the varied requirements of schools of Education at senior institutions, the program may be adjusted to comply with the requirements of the school to which the student is transferring.

It is strongly suggested that students seeking a PE Licensure prepare themselves to teach in one additional discipline. The Mississippi Department of Education requires 21 semester hours of prefix-specific courses with grades of "C" or better. Some of the common supplemental endorsement areas are English, Communication, Social Studies, Mathematics, and General Science.

* Approved Elective: Course that would apply toward a supplemental endorsement area
** Fine Arts Elective: ART 1113, ART 2713, ART 2713, MUS 1113, SPT 1213, SPT 2223
*** ENG Literature: ENG 2213, ENG 2223, ENG 2323, ENG 2333, ENG 2423, ENG 2433
**** Humanities/Social Sciences/Behavioral Sciences/Fine Arts Elective: approved by adviser
# HPR Elective: Coaching theory course or HPR technique class that applies toward teaching physical education classes
## Computer Information Science: CSC 1113, CSC 1123, CSC 1133

It is strongly recommended that students complete the Praxis Core Academic Skills for Educators (formerly Praxis I) examination prior to transferring (if required).

### Pre-Communicative Disorders (Major Code 347)

Advisers: Burton, Correro, Greene, Strong, McPherson, Monteith

This curriculum is designed for students who plan to transfer to a four-year college or university to pursue a B.S. degree in communicative disorders. Careers in communicative disorders include audiologist, speech-hearing scientist, speech-language pathologist, and teacher of the deaf. A graduate of the following two-year curriculum is entitled to the Associate of Arts degree.

#### FRESHMAN YEAR

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<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I.................................3</td>
<td>ENG 1123, Eng. Comp. II.............................3</td>
<td>BIO 1133, General Biology I..........................3</td>
<td>BIO 1143, General Biology II........................3</td>
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<td>BIO 1131, General Biology I Lab........................1</td>
<td>BIO 1141, General Biology II Lab.....................1</td>
<td>MAT 1313, College Algebra.............................3</td>
<td>Fine Arts Elective.....................................3</td>
</tr>
<tr>
<td>*CSC 1123, Comp. Applications............................3</td>
<td>HPR 1213, Health.....................................3</td>
<td>MFL 1213, Spanish I..................................3</td>
<td>MFL 1223, Spanish II................................3</td>
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#### SOPHOMORE YEAR

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<th>First Semester</th>
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<tr>
<td>**ENG 2223, Amer. Lit. I or ENG 2323, British Lit. I.............................3</td>
<td>**ENG 2233, Amer. Lit. II or ENG 2333, British Lit. II..........................3</td>
<td>PHY 2243, Phy. Science I................................3</td>
<td>SOC 2113, Intro. to Sociology..........................3</td>
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<tr>
<td>PHY 2241, Phy. Science I Lab................................1</td>
<td>***HIS 1113, Western Civ. I or HIS 2213, American History I..............3</td>
<td>PSY 1513, Gen. Psychology I................................3</td>
<td>SPT 1113, Public Speaking I..........................3</td>
</tr>
<tr>
<td>**HIS 1113, Western Civ. I or HIS 2213, American History I..............3</td>
<td>MFL 2223, Spanish IV..................................3</td>
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*May substitute CSC 1113 Computer Concepts or higher level computer course.
** Student may take American Literature or British Literature sequence.
*** Student may take Western Civilization or American History sequence.

12-hour sequence in Spanish, if transferring to the University of Mississippi or the University of Southern Mississippi, or a “C” or better in six hours at the sophomore level.

This program of study requires a total of 66 semester hours.

Academic Education • 101
Recreation (Major Code 342)
Advisers: Foster, Weldy, Burton, Monteith

The two year curriculum is designed for those seeking to further their studies and obtain a Bachelor of Arts degree from a four-year institution. The outlined coursework prepares those students seeking a Bachelor of Arts degree in recreation. Graduates will find careers in therapeutic recreation and recreation administration such as campus recreation, church recreation, commercial recreation and in the military. This major is offered to students who seek employment as recreational professionals in public, private or volunteer agencies.

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
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<td>ENG 1123, Eng. Comp. II</td>
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<tr>
<td>*History Elective</td>
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<td>*History Elective</td>
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</tr>
<tr>
<td>HPR 1213, Personal/Comm. Health I</td>
<td>3</td>
<td>SPT 1113, Public Speaking I</td>
<td>3</td>
</tr>
<tr>
<td>**Natural Science w/Lab</td>
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<td>**Natural Science w/Lab</td>
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</tr>
<tr>
<td>Fine Arts (Music/Art/Theatre)</td>
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<td>P.E. Activity</td>
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<tr>
<td>P.E. Activity</td>
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<td>P.E. Activity</td>
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<tr>
<td><strong>Total</strong></td>
<td>17</td>
<td><strong>Total</strong></td>
<td>15</td>
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</table>

* History elective must be chosen from HIS 1113, 1123, 2213 or 2223.
**Natural Science with lab must be chosen from BIO 1134, 1144, 1314, 2414, 2924 or CHE 1214, 1224, 1314 or PHY 2244, 2254, or 2414.

**SOPHOMORE YEAR**

<table>
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<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
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<tbody>
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<tr>
<td>FCS 1233, Nutrition</td>
<td>3</td>
<td>PSY 1513, General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>***CSC 1123, Comp. Applications</td>
<td>3</td>
<td>HPR 2213, First Aid &amp; CPR</td>
<td>3</td>
</tr>
<tr>
<td>MAT 1313, Coll. Algebra or Higher</td>
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<td>SOC 2113, Intro. to Sociology</td>
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<tr>
<td>****Humanities Elective</td>
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<td>*****Social/Behavioral Science</td>
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</tr>
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<td>P.E. Activity</td>
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<td><strong>Total</strong></td>
<td>16</td>
<td><strong>Total</strong></td>
<td>16</td>
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</table>

***May substitute CSC 1113 Computer Concepts or higher level computer course.

****Humanities electives must be chosen from Foreign Language (MFL 1213, 1223, 2213, 2223); Literature (ENG 2133, 2223, 2323, 2333, 2513, 2613); or Philosophy (PHI 1113, 2113, 2143, 2713).

*****Social/Behavioral Science must be chosen from GEO 1113 (World Geography), HIS 1113 (Western Civilization I), HIS 1123 (Western Civilization II), HIS 2213 (American History I), HIS 2223 (American History II), PSC 1113 (American National Government), SOC 2113 (Introduction to Sociology), SOC 2123 (Introduction to Sociology II), SOC 2143 (Marriage and Family), ECO 2113 (Principles of Macroeconomics), ECO 2123 (Principles of Microeconomics), PSY 1513 (General Psychology), or PSY 1523 (General Psychology II).
Secondary Education (Major Code 307)  
Advisers: Banham, Booker, L. Haraway, Thompson, Waldrop, Burton, Monteith  
Major can be completed fully online.

The two-year curriculum is designed for a student who plans to teach in high school. It includes some of the core curriculum for the teaching certificate. Satisfactory completion of this curriculum will qualify the graduate for the Associate of Arts degree.*

FRESHMAN YEAR  

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
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<tbody>
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<td>ENG 1113, Eng. Comp. I</td>
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<td>SPT 1113, Public Speaking I</td>
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<td>***CSC 1123, Comp. Applications</td>
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<tr>
<td>PHY 2253, Physical Science II</td>
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<td>***PHY 2251, Phy. Sci. I Lab</td>
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Total 16

SOPHOMORE YEAR  

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Total 16

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* Passing scores for the Praxis Core Academic Skills for Educators (formerly Praxis I) or an appropriate ACT score (at least 21 with no subtest scores lower than 18) or SAT score (860 composite) are required for admission into the Teacher Education Program and for most education scholarships at the senior universities. Please visit the Praxis website at www.ets.org/praxis and see your adviser for more information.

Due to the varied requirements of schools of Education at senior institutions, the program may be adjusted to comply with the requirements of the school to which the student is transferring.

** Or higher level mathematics. Calculus I is recommended for Secondary Education Mathematics majors.

***May substitute CSC 1113 Computer Concepts or higher level computer course. CSC 1613 Computer Programming I (JAVA) is recommended for Secondary Education Mathematics majors.

****May be substituted with Chemistry or Astronomy and Lab.

It is strongly recommended that students complete the Praxis Core Academic Skills for Educators (formerly Praxis I) examination prior to transferring (if required).
DIVISION OF FINE ARTS

Art (Major Code 405)
Advisers: Chavis, House, Siddon

The curriculum is designed for a student who plans to continue education at a four-year college or professional art school, leading to a Bachelor of Fine Arts degree. Satisfactory completion of this curriculum entitles the student to the Associate of Arts degree.

FRESHMAN YEAR

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<tr>
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<th>Semester Hours</th>
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<td>ENG 1113, Eng. Comp. I .......................... 3</td>
<td>ENG 1123, Eng. Comp. II ....................... 3</td>
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<td>HIS 1113, Western Civ. I ....................... 3</td>
<td>HIS 1123, Western Civ. II .................... 3</td>
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<td>ART 1313, Drawing I .............................. 3</td>
<td>ART 1323, Drawing II ............................ 3</td>
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<td>ART 1433, Design I ............................... 3</td>
<td>ART 1443, Design II ............................ 3</td>
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<td>*ART 1213, Introductory Art .................. 3</td>
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SOPHOMORE YEAR

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<td>Literature .............................................. 3</td>
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<td>BIO 1123, Prin. of Biology II .................... 3</td>
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<td>SPT 1113, Public Speaking I ........................ 3</td>
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<td>Social/Behavioral Science ............................ 3</td>
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Approved Art Electives:
ART 2513, 2523 (Painting I and II)
ART 2433, 2463 (Advertising Design I and II)

* Studio art credits may transfer to a four-year college or university based on the student’s portfolio.
* Some students may be placed in Introductory Art prior to taking Design I.

Music, Music Education, Music Performance, Music Therapy
(Major Code 420)
Advisers: Bishop, VanDyke

The curriculum provides instruction designed to prepare a student for a career as a professional musician. Satisfactory completion of this curriculum entitles the student to the Associate of Arts degree.

FRESHMAN YEAR

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<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
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<tr>
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<td>HIS 1113, Western Civilization I ............ 3</td>
<td>HIS 1123, Western Civilization II ........... 3</td>
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<tr>
<td>MUS 1214, Music Theory I ....................... 4</td>
<td>MAT 1313, College Algebra ..................... 3</td>
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<tr>
<td>Major Applied Music ............................... 2</td>
<td>MUS 1224, Music Theory II ..................... 4</td>
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<td>Minor Applied Music ................................ 1</td>
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<td>Minor Applied Music ............................... 1</td>
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<tr>
<td>MUS 1911, Recital Class ......................... 1</td>
<td>Chorus and/or Band ................................ 1</td>
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<td>CSC 1113, Computer Concepts .................... 3</td>
<td>MUS 1921, Recital Class ......................... 1</td>
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SOPHOMORE YEAR

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<td>BIO 1111, Prin. of Biology I Lab</td>
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<td>MUS 2214, Music Theory III</td>
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<td>MUS 2911, Recital Class</td>
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<td>MUS 1123, Music Survey</td>
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<tr>
<td>SPT 1113, Public Speaking I</td>
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<tr>
<td>BIO 1123, Prin. of Biology II</td>
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<tr>
<td>BIO 1121, Prin. of Biology II Lab</td>
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<td>MUS 2224, Music Theory IV</td>
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<td>MUS 2921, Recital Class</td>
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<td>MUS 1123, Music Survey</td>
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Acceptance into any major applied music course is subject to audition.

Due to the varied requirements of schools of music at the senior institutions, the program listed may be adjusted to comply with the requirements of the school to which the student is transferring.

Music Business/Industry (Major Code 423)

Adviser: Triplett

The curriculum provides instruction designed to prepare a student for a career in the music business. Satisfactory completion of this curriculum entitles the student to the Associate of Arts degree.

FRESHMAN YEAR

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<th>First Semester</th>
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<td>MAT 1313, College Algebra</td>
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<tr>
<td>BAD 2523, Personal Financial Mgmt.</td>
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<tr>
<td>MUS 1413, Basic Computer Skills for Musicians</td>
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<tr>
<td>MUS 2413, Computer Recording I</td>
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<tr>
<td>ACC 1213, Prin. of Accounting I</td>
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<td>SPT 1113, Public Speaking I</td>
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<td>MUS 2423, Computer Recording II</td>
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<td>CSC 1123, Computer Apps. I</td>
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SOPHOMORE YEAR

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<tr>
<td>PSY 1513, General Psychology</td>
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<tr>
<td>BOA 2613, Bus. Communications</td>
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<tr>
<td>MUS 2443, Audio Engineering I</td>
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<td>HIS 1113, Western Civ. I</td>
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<td>SOC 2113, Intro. to Sociology</td>
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<td>HIS 1123, Western Civ. II</td>
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<td>ECO 2123, Microeconomics</td>
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<td>MUS 2453, Audio Engineering II</td>
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Due to the varied requirements of schools of music at the senior institutions, the program listed may be adjusted to comply with the requirements of the school to which the student is transferring.
Theatre (Major Code 425)

Adviser: Shannon

The curriculum is designed for a student who anticipates continuing education beyond the community college level in the areas of speech and theatre. Satisfactory completion of this curriculum entitles the student to the Associate of Arts degree.

**FRESHMAN YEAR**

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<td>SPT 1233, Acting</td>
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<td>SPT 1213, Fund. of Theatre Prod</td>
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<td>BIO 1121, Prin. of Biology II Lab</td>
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<td>SPT 2223, Stagecraft</td>
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<td>SPT 1153, Voice, Dict. &amp; Phonetics</td>
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**SOPHOMORE YEAR**

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<td>Any History</td>
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<td>SPT 2143, Oral Interpretation</td>
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<td>CSC 1113, Computer Concepts</td>
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<td>SPT 2241, Drama Production III</td>
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<td>SPT 1113, Public Speaking</td>
<td>3</td>
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<tr>
<td>SPT 1223, Theatrical Makeup</td>
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<td>Approved Elective</td>
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The advisers of this program can alter course requirements to meet curricular requirements for related speech areas.
The curriculum is designed to provide a program of study that encompasses the variety of fields in communications, including print journalism, public relations and broadcasting. The course of study leads to a Bachelor of Arts degree and is transferable to liberal arts divisions at senior institutions. In order to meet specific curriculum requirements for transfer, the student should consult the catalog of the university at which he or she plans to complete the bachelor's degree. Satisfactory completion of this course of study entitles the student to the Associate of Arts degree.

Since required courses for the Bachelor of Arts degree vary greatly at different universities, a student may desire to substitute some other courses for those listed below. Such substitution can be made with the approval of the academic adviser, division director and Vice President for Educational Affairs.

**COMMUNICATIONS: BROADCASTING EMPHASIS (Major Code 410)**

**FRESHMAN YEAR**

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<th>Semester Hours</th>
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<tbody>
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<td>ENG 1123, Eng. Comp. II</td>
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<tr>
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<td>HIS 2223, American History II or HIS 1123, Western Civ. II</td>
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<tr>
<td>Foreign Language*</td>
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<td>COM 2483, Intro. to Mass Comm</td>
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<td>SPT 1113, Public Speaking I</td>
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**SOPHOMORE YEAR**

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<th>Second Semester</th>
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<tbody>
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<td>ENG 2233, American Lit. II or ENG 2333, British Lit. II</td>
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<td>PSY 1513, Gen. Psychology</td>
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<td>MAT 1313, College Algebra or Higher Math</td>
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<td>PHI 2113, Intro. to Philosophy</td>
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<td>CSC 1113, Computer Concepts</td>
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<td>COM 2463, Writing for Elec. Media</td>
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<td>Humanities Elective</td>
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* Students who have successfully completed two years of high school foreign language classes may request to begin their foreign language requirement at the Elementary II level after achieving a passing grade on a language proficiency test and receiving consent of the instructor. Since foreign language requirements vary at different universities, the student is advised to consult the catalog of the university at which he plans to complete the Bachelor of Arts degree.

** Students have a choice of PSC 1113 (American Government), SOC 2113/2123 (Sociology) or ECO 2113 (Principles of Macroeconomics).

*** Students have a choice of SPT 1153 (Voice, Diction & Phonetics) or JOU 1313 (News Writing and Reporting I).
COMMUNICATIONS: JOURNALISM & PUBLIC RELATIONS EMPHASIS
(Major Code 415—Journalism & Major Code 416—Public Relations)

**FRESHMAN YEAR**

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<td>HIS 2223, American History II or HIS 1123, Western Civ. II</td>
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**SOPHOMORE YEAR**

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* Students who have successfully completed two years of high school foreign language classes may request to begin their foreign language requirement at the Elementary II level after achieving a passing grade on a language proficiency test and receiving consent of the instructor. Since foreign language requirements vary at different universities, the student is advised to consult the catalog of the university at which he plans to complete the Bachelor of Arts degree.

** Liberal Arts (Major Code 505)**

The Liberal Arts curriculum is designed to provide a solid foundation for the student who wishes to pursue a Bachelor of Arts degree in fields such as English, Foreign Language, History or Sociology at a senior institution. This broad-based curriculum emphasizes the development of the student's verbal, written and analytical skills. In order to meet specific curriculum requirements for transfer, the student is strongly advised to consult the catalog of the university at which he plans to complete the Bachelor of Arts degree. Also, the student is required to plan his course of study with advisers representing the specific fields of interest listed below. Successful completion of this course of study will make a student eligible to receive the Associate of Arts degree.

Students wishing to pursue the Liberal Arts degree with an emphasis in the following disciplines should consult one of the following advisers:

- **English:** Bunce, Davis, Dawkins, Haraway, Leishman, Pierce, Shaw, Wester, Underwood, Burton, Terrell, Vinson, Clements
Foreign Language: Banham, Bunch, Turner
History: Baker, Booker, Fleming, Shaheen
Sociology: Katterjohn

Students who are undecided in their choice of a specific major but who wish to follow the Liberal Arts course of study should consult any of the advisers listed above.

### FRESHMAN YEAR

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<tr>
<th>First Semester</th>
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### SOPHOMORE YEAR

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<td>or Higher Math</td>
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** Students have a choice of SOC 2113/2123 (Sociology), PSY 1513 (General Psychology), PSC 1113 (American Government) or ECO 2113 (Principles of Macroeconomics).

*** Students have a choice of ENG 2323, ENG 2333 (British Literature), ENG 2223, 2233 (American Literature), or ENG 2423, 2433 (World Literature).
DIVISION OF SOCIAL SCIENCE

Criminal Justice (Major Code 515)
Advisers: Collinsworth, Fleming, Nickels, Shaheen

Major can be completed fully online.

The Criminal Justice curriculum is designed to provide a solid foundation for the student planning to pursue a career in one of the many divisions of the Criminal Justice system. Career options are primarily located under the divisions of Police, Courts and Corrections. The program may be used as a terminal or as a transfer course. The student who satisfactorily completes this course is eligible for the Associate of Arts degree.

FRESHMAN YEAR

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<th>First Semester</th>
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<td>CRJ 1363, Intro. to Corrections</td>
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<td>CRJ 1383, Criminology</td>
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SOPHOMORE YEAR

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<td>ENG 2223, American Lit. I or ENG 2323, British Lit. I</td>
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<td>CRJ 2333, Criminal Investigation</td>
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<td>CRJ 2313, Police Operations</td>
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<td>CRJ 2323, Criminal Law</td>
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<td>CRJ 2513, Juvenile Justice</td>
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Suggested Electives:
CRJ 1353, Internship in Criminal Justice
MAT 2323, Statistics

Suggested Humanities Electives:
PHI 2113, Introduction to Philosophy
PHI 2143, Ethics
PHI 2713, Logic

Suggested Social Science Electives:
ECO 2113, Principles of Macroeconomics
ECO 2123, Principles of Microeconomics
PSC 1113, American National Government
PSY 1513, General Psychology

PSY 1523, General Psychology II
SOC 2113, Intro. to Sociology I
SOC 2123, Intro. to Sociology II
SOC 2133, Social Problems
General College Curriculum (Major Code 510)

Major can be completed fully online.

(Pre-Bachelor of Arts or Pre-Bachelor of Science)
This curriculum is designed to serve two primary purposes: (1) An entering student may elect to follow this program for one or two semesters before deciding on a specific field of study. When a specific field of study is decided upon, the transition into the new program should be no problem. (2) Students who wish to change majors after one or two semesters in another of the programs at Northwest can use this General College Curriculum as an alternative in order to have at least an opportunity to meet degree requirements and graduate from Northwest. This program requires careful planning by the student through an academic adviser because of the flexibility of course work involved. This program provides an opportunity for a more cross-sectional approach to a two-year program than some of the other curricula at Northwest. This program is designed to supplement other programs at Northwest and does not conflict with other programs. This program is similar to the Liberal Arts curriculum, but specific differences exist and academic advisers can explain this further. Students who meet graduate requirements through this program will be awarded an Associate of Arts degree.

FRESHMAN YEAR

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SOPHOMORE YEAR

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Approved electives may be selected from a wide range of courses. Electives should be approved through the student’s academic adviser and appropriate dean or Associate Vice President for Educational Affairs.

* In some cases physical education is not necessary.

** Literature in sequence, i.e. ENG 2323, ENG 2333 (British Literature), ENG 2223, ENG 2233 (American Literature) or ENG 2423, ENG 2433 (World Literature) recommended.
Pre-Law

Adviser: Booker

Most law schools do not require a specific course of study at the undergraduate level for admission to programs. Instead they recommend a broadly based curriculum which focuses on the development of verbal, written, and analytical skills. The statement of policy adopted by the Association of American Law Schools (AALS) stresses that preparation for the study of law involves education for “comprehension and expression in words; critical understanding of human institutions and values with which the law deals; and creative power in thinking. The development of these fundamental capacities is not the monopoly of any one subject matter area, department or division.”

Students are encouraged to take courses in the Liberal Arts curriculum, choosing an emphasis in which they have a particular interest such as history, English, etc. Pre-law students are encouraged to work closely with the pre-law adviser and are encouraged to participate in the Society for Pre-Law Majors at Northwest.

Psychology (Major Code 520)

Advisers: Calloway, McLaughlin, Piercy, K. Watson, Wilson

Major can be completed fully online.

The Psychology major at Northwest provides the student with a liberal arts background to prepare for subsequent undergraduate studies leading to a Bachelor of Arts degree. Psychology advisors work closely with nearby universities to ensure that this two-year curriculum coincides with their programs and will allow maximum transferable credit. The student who successfully completes this program is eligible for the Associate of Arts degree.

FRESHMAN YEAR

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SOPHOMORE YEAR

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Suggested Fine Arts Electives:

- ART 1113, Art Appreciation
- MUS 1113, Music Appreciation

Suggested Social Science Electives:

- PSY 1523, General Psychology II
- SOC 2113, Intro. to Sociology I
- SOC 2123, Intro. to Sociology II
- SOC 2133, Social Problems
- SOC 2143, Marriage and Family
- SWK 1113, Social Work: A Helping Profession
Pre-Social Work (Major Code 535)
Adviser: Allen, Holland, Katterjohn, McLaughlin

Major can be completed fully online.

Students planning to major in Social Work have a desire to work with people. Upon completion of the Social Work degree individuals are prepared to choose from many areas of service: welfare, correctional and juvenile facilities, health care agencies, psychiatric units, mental health centers, school social work, and administration.

This curriculum is designed for students who plan to continue their education in Social Work at a four year institution. The course of study leads to a Bachelor of Social Work (B.S.W.) degree. In order to meet specific curriculum requirements for transfer, it is suggested that students consult the catalog of the college or university that they plan to attend to complete the bachelor's degree. The student who successfully completes this program is eligible for the Associate of Arts degree.

FRESHMAN YEAR

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<th>First Semester</th>
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* Approved Humanities/Social Science electives can be found in the Academic Core Curriculum section of the Bulletin. The electives should be chosen to meet the requirements of the transferring university.

SOPHOMORE YEAR

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<th>First Semester</th>
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<tr>
<td>Total</td>
<td>16</td>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>
DIVISION OF NURSING

Associate Degree Program (Major Code 605)

Advisers: Barden, Blair, Briscoe, Bynum, Caldwell, Deshotels, Gentry, Kennedy, Mathena, Pigues, Pugh, Reed, Russom, Scott, Springer, Stevens, Taylor, Vincent, M. Williams, Woody

The Associate Degree Program in Nursing provides a foundation in general education and nursing. Upon completion of the curriculum an Associate of Arts degree is awarded. Graduates of the program are eligible to write the National Council for Licensure Examination for Registered Nurses (NCLEX-RN). Graduates are prepared to provide nursing services in beginning staff level positions and have potential for advancement on an individual basis.

The traditional plan of study in the nursing program is two years in length, and classes are admitted each fall and spring semester. Clinical Laboratory experiences are available in Memphis and in Northwest Mississippi hospitals and agencies.

A minimum grade of “C” or better is required in every course outlined in the nursing curriculum for graduation. A “C” or better is required in each nursing course (except NRS 1212, NRS 2212 and NRS 2132). The Division of Nursing reserves the right to recommend for progression and continuation only those students who, in the judgment of the faculty, satisfy the requirements and aptitude for nursing.

In compliance with the amended Section 43-11-13, Mississippi Code of 1972, effective January 1, 2004, all students enrolled in the Associate Degree Nursing Program are among those subject to criminal background checks before being allowed to provide patient care. Applicants must provide a list of all prior arrests, convictions, and pending charges. Proof of disposition of charges must be provided upon admission to the Division of Nursing. The Mississippi Board of Nursing requires that graduates are fingerprinted by the BON prior to sitting for the licensing exam (NCLEX).

All prospective nursing students must note Section 73-15-29 of the Mississippi Nursing Practice Law which states:

Grounds for denying, revoking, or suspending license penalties for engaging in prohibited conduct.

1. The Board shall have power to revoke, suspend or refuse to renew any license issued by the Board, or to deny any application for a license, or to fine, place on probation and/or discipline a license, in any manner specified in this chapter upon proof that such person:
   a. has committed fraud or deceit in securing or attempting to secure a license;
   b. has been convicted of a felony or a crime by court of plea of nolo contendere to a felony or a crime involving moral turpitude (a certified copy of the judgment of the court of competent jurisdiction of such conviction or plea shall be prima facie evidence of such conviction).

SPECIAL ADMISSIONS REQUIREMENTS

Due to the purpose and objectives of the Associate Degree Nursing Program, the requirements for admission to the program differ from the general admission requirements. Meeting the minimum standards for admission to the college does not guarantee admission to the Nursing Program. The number of students admitted each semester is dependent upon educational resources available to the school. Two classes are admitted each year. The fall class is notified in March, and the spring class is notified in October each year. Application forms for admission to the Associate Degree Nursing Program may be obtained from the Division of Nursing, P.O. Box 7009, Northwest Mississippi Community College, Senatobia, MS,
Admission Requirements: College admission forms should be sent to the Registrar's Office, and the application to the nursing program should be sent to the Dean, Division of Nursing. ONLY Mississippi residents are admitted to the nursing program.

Students are admitted by meeting the following criteria: (1) an Enhanced ACT composite score of 19 or greater (students who hold a bachelor's degree are considered for admission with a composite ACT score of 18); (2) a score of 19 or above on the math component of the ACT or completion of College Algebra (MAT 1313) with a grade of "C" or better; (3) competitive scores on the Kaplan Nursing Entrance Exam (KAP test); (4) a GPA of 2.0 or greater on courses required in the nursing curriculum, and (5) completion of BIO 2513, BIO 2511, BIO 2523, and BIO 2521 with a grade of "C" or better within the last 7 years. Due to the early application deadline, students may be provisionally admitted to the nursing program, however Anatomy and Physiology I and II with labs must be completed with a grade of "C" or better prior to beginning the first nursing course.

Once a prospective student has an application to the nursing program on file and has a minimum ACT score of 19, an opportunity to take the KAP test may be scheduled with the Division of Nursing. An ACT score of 19 or better must be on file before scheduling the KAP test.

Each applicant must ensure that his or her file in the nursing office is complete by the February 28 deadline for fall applicants and the September 30 deadline for spring applicants. This includes but may not be limited to: application, high school transcripts, GED scores, ACT scores, all other college transcripts and KAP scores. It is the student's responsibility to notify the secretary in the nursing office if any information changes.

Notification of acceptance must come from the Dean, Division of Nursing at which time the student must provide proof of Mississippi residence. Admission to the college does not guarantee admission to nursing. Applicants not chosen must notify the nursing division in writing if they wish to be reconsidered for admission the next semester. Places will not be held for admitted students more than two semesters. There is no waiting list!

Transfer Students: All students desiring to transfer from another nursing program must consult with the transfer specialist and be approved by the Nursing Admission Committee. All transfer applicants must be in good standing and eligible for continuation in the previous college and nursing program attended. Additionally, the Anatomy and Physiology I and II and math requirements must be met prior to transfer into the program. Transcripts from the previous college must be submitted to the Dean of the Division of Nursing/Admission Committee for prior approval to be applied toward an Associate Degree in Nursing. The applicant will also be asked to submit proof of content for any courses considered for transfer. This may include but not be limited to: course outlines, course syllabi, reading lists, etc. All eligible transfer students are accepted on a space available basis.

Nursing students who fail one nursing course are readmitted according to space available if they so wish. Failure of two nursing courses, excluding NRS 1211 and/or other nursing electives, is grounds for dismissal from the program. Readmission may only be granted to sophomore students by appeal to the Nursing Progression Committee. A student may only enroll in a nursing course twice before being referred to the Progression Committee, and a student may only be readmitted once by the Progression Committee. Students failing at the freshman level twice are not eligible to petition the Progression Committee for readmission.
Advanced Standing for Licensed Practical Nurses: LPNs have the opportunity to seek advanced standing in the Associate Degree Nursing Program by: (1) successful completion of a challenge examination and performance of required skills which allows entry into the second semester of the traditional study program, or (2) applying for the LPN-RN Transition course completed during an eight-week summer term which allows entry into the final two semesters of the traditional study program. For further information, prospective students may call 662-562-3283 and request a packet of information about the LPN advanced placement options or access the nursing program page on the College’s website at www.northwestms.edu. Prior to beginning any nursing course, the Anatomy and Physiology and math requirements must be met.

Every nursing student is required to take at least twelve (12) hours each semester.

All transcripts and documents submitted in support of an application become the property of Northwest Mississippi Community College and cannot be returned or forwarded to another individual or school.

All science courses must be taken within the past seven years upon entering the nursing program before these courses can count toward the Northwest Mississippi Community College Nursing Degree.

**Traditional Plan of Study**

**PRE-REQUISITES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BIO 2513, Anatomy and Physiology I</td>
<td>3 hours</td>
</tr>
<tr>
<td>BIO 2511, Anatomy and Physiology I Lab</td>
<td>1 hour</td>
</tr>
<tr>
<td>BIO 2523, Anatomy and Physiology II</td>
<td>3 hours</td>
</tr>
<tr>
<td>BIO 2521, Anatomy and Physiology II Lab</td>
<td>1 hour</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
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**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course(s)</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>First</td>
<td>NRS 1117, Nursing I</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>NRS 1211, Dosages &amp; Solutions for Nurses</td>
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</tr>
<tr>
<td></td>
<td>CSC 1113, Computer Concepts</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENG 1113, Eng. Comp. I</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
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<table>
<thead>
<tr>
<th>Semester</th>
<th>Course(s)</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second</td>
<td>NRS 1129, Medical-Surgical Nursing</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>*MAT 1313, College Algebra</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENG 1123, Eng. Comp. II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EPY 2533, Human Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

* College Algebra is a pre-requisite to the nursing program if the math component of the ACT is <19.

Note: Human Growth and Development must be taken prior to Pediatric Nursing. Microbiology must be successfully completed before Sophomore Second Semester.

See the Division of Nursing page on the Northwest website (www.northwestms.edu) for Licensed Practical Nurse advanced placement options.
DIVISION OF MATHEMATICS

Mathematics (Major Code 784)
Advisers: Alexander, Ferguson, King

The mathematics curriculum is the lower division as required by the senior college or university. The mathematics faculty utilizes the ACT score and the high school record concerning proficiency in algebra and trigonometry. A math Enhanced ACT of 22 or more is required to begin the calculus sequence, else the student must have college credit in trigonometry or pre-calculus. If the student does not have credit in high school trigonometry or pre-calculus, he must take college trigonometry or pre-calculus. Deficiencies in mathematics requirements may be made up the first semester of the freshman year or in the summer prior to the freshman year. An Associate of Arts degree is awarded upon completion of this curriculum.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
<td>3</td>
<td>ENG 1123, Eng. Comp. II</td>
<td>3</td>
</tr>
<tr>
<td>MAT 1613, Calculus I</td>
<td>3</td>
<td>MAT 1623, Calculus II</td>
<td>3</td>
</tr>
<tr>
<td>CHE 1213, Gen. Chemistry I</td>
<td>3</td>
<td>CHE 1223, Gen. Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHE 1211, Gen. Chemistry I Lab</td>
<td>1</td>
<td>CHE 1221, Gen. Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>Social or Behavioral Science</td>
<td>3</td>
<td>Social or Behavioral Science</td>
<td>3</td>
</tr>
<tr>
<td>CSC 1613, Comp. Prog. I (Java) or CSC 2134, Comp. Prog. I (C++)</td>
<td>3</td>
<td>SPT 1113, Public Speaking I</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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<td><strong>Total</strong></td>
<td>16</td>
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SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature I/Hum. Elective</td>
<td>3</td>
<td>Lit. II/Hum. Elec./Gen. Elec.</td>
<td>3</td>
</tr>
<tr>
<td>MAT 2613, Calculus III</td>
<td>3</td>
<td>MAT 2623, Calculus IV</td>
<td>3</td>
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<tr>
<td>PHY 2513, Physics for Engr. I</td>
<td>3</td>
<td>PHY 2513, Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2511, Physics for Engr. I Lab</td>
<td>1</td>
<td>PHY 2523, Physics for Engr. II</td>
<td>3</td>
</tr>
<tr>
<td>MAT 2113, Linear Algebra</td>
<td>3</td>
<td>PHY 2521, Physics for Engr. II Lab</td>
<td>1</td>
</tr>
<tr>
<td>Fine Arts Elective (Art or Music)</td>
<td>3</td>
<td>Approved Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>16</td>
<td><strong>Total</strong></td>
<td>16</td>
</tr>
</tbody>
</table>

Pre-Engineering (Major Code 716)
Advisers: Ferguson, Harvey, Harville, McPherson, Perkins

The pre-engineering curriculum offers the basic two-year lower division of the four- or five-year curriculum of the senior college or university. Requirements for regular admission to the pre-engineering curriculum are as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>English</td>
<td>4</td>
</tr>
<tr>
<td>Social Studies and/or Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics (Algebra, Geometry, Trigonometry)</td>
<td>4</td>
</tr>
<tr>
<td>Science (Chemistry and either Biology or Physics)</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>2 credits</td>
</tr>
<tr>
<td></td>
<td>15 credits</td>
</tr>
</tbody>
</table>

*continued on next page*
Deficiencies in mathematics requirements may be made up the first semester of the freshman year or in the summer prior to the freshman year. The mathematics faculty utilizes the ACT score and the high school record concerning proficiency in algebra and trigonometry. A math Enhanced ACT of 22 or more is required to begin the calculus sequence, else the student must have college credit in trigonometry or pre-calculus. If the student does not have credit in high school trigonometry or pre-calculus, he must take college trigonometry or pre-calculus. Upon successful completion of the curriculum, the student is awarded the Associate of Arts degree.

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
<td>3</td>
<td>ENG 1123, Eng. Comp. II</td>
<td>3</td>
</tr>
<tr>
<td>MAT 1613, Calculus I</td>
<td>3</td>
<td>MAT 1623, Calculus II</td>
<td>3</td>
</tr>
<tr>
<td>Social or Behavioral Science*</td>
<td>3</td>
<td>SPT 1113, Public Speaking I</td>
<td>3</td>
</tr>
<tr>
<td>Approved Elective**</td>
<td>3</td>
<td>Social or Behavioral Science*</td>
<td>3</td>
</tr>
<tr>
<td>CHE 1213, Gen. Chemistry I</td>
<td>3</td>
<td>Electives**</td>
<td>4</td>
</tr>
<tr>
<td>CHE 1211, Gen. Chemistry I Lab</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total 16  Total 16

* It is advised that students take six hours in one subject. Specific course depends upon senior institution’s requirement.

** Electives should be chosen after consulting the adviser and the catalog of the institution to which the student plans to attend.

**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 2613, Calculus III</td>
<td>3</td>
<td>MAT 2623, Calculus IV</td>
<td>3</td>
</tr>
<tr>
<td>MAT 2113, Linear Alg./Elective.</td>
<td>3</td>
<td>MAT 2913, Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2513, Physics for Engr. I</td>
<td>3</td>
<td>*Computer Programming</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2511, Physics for Engr. I Lab</td>
<td>1</td>
<td>PHY 2523, Physics for Engr. II</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts Elective</td>
<td>3</td>
<td>PHY 2521, Physics for Engr. II Lab</td>
<td>1</td>
</tr>
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<td>Literature I/Humanities Elective</td>
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<td>EGR 2413, Engineering Mechanics I</td>
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</tr>
<tr>
<td>Total</td>
<td>16</td>
<td>Total</td>
<td>16</td>
</tr>
</tbody>
</table>

Approved electives may be selected from a wide range of courses. Electives should be approved through the student’s academic adviser, and should be selected with respect to needs and interests.

* Specific course depends upon senior institution’s requirement.
DIVISION OF NATURAL SCIENCES

The Division of Natural Sciences consists of the following programs of study. An Associate of Arts is awarded for successful completion of each transferable curriculum.

Animal Science
Biology
Chemistry
Forestry
General Agriculture
General Science
Health Professions
Pre-Medical Lab Sciences
Pre-Cytotechnology
Pre-Dental
Pre-Dental Hygiene
Pre-Nursing (BSN)
Pre-Medical
Pre-Occupational Therapy
Pre-Optometry
Pre-Pharmacy
Pre-Physical Therapy
Pre-Radiological Sciences
Pre-Veterinary Medicine
Outdoor Rec. & Management
Physics
Pre-Forensic Chemistry
Pre-Horticulture
Pre-Veterinary Medical Technology

Students interested in these fields of study are urged to contact the Division Director of Natural Sciences for additional information and assistance in planning their course of study. LLS 1331, Introduction to Health Professions, is a one-hour elective that provides students an overview of the various health professions. This course is recommended for entering students interested in the health professions.

Fields in Agriculture

As we look at today's agriculture and review the changes which are taking place it becomes clear that agricultural curricula must be developed which creates new combinations of training in science, business and technical agriculture. To provide such training students may choose from the following curricula, majors or subject matter areas:

General Agriculture
Agriculture Economics
Agribusiness
Agricultural Science
Agriculture Information Science
Agricultural and Extension Education
Agronomy
Soil Science
Seed Science
Turfgrass Management
Entomology
Horticulture
Poultry Science
Animal Science
Dairy Science
Forestry
Pre-Veterinary Science (see science)

Within most of the curricula listed the student may choose from three electives: Production, Business, or Science. Since most of the courses in the elective areas will be taken at the senior college of the student's choice, particular attention should be given to the catalog of the institution chosen for the junior and senior years. Detailed information can be obtained either from the catalog of the senior institution or through the student's adviser.

More detailed information on each area, including illustrative curricula, are given on the following pages. Substitutions can be made with the approval of the Division Director. Each curriculum is designed to give some flexibility so the needs of the individual student can be met. The completion of a particular curriculum qualifies the student for the Associate of Arts degree.
Animal Science (Major Code 120)

Adviser: Donahou

Animal Science is a broad and complex area of agriculture. The curriculum is designed to give the students instruction and practical experience in the science and business of animal agriculture. Satisfactory completion makes the student eligible for the Associate of Arts degree.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 1113, General Biology I</td>
<td>3</td>
</tr>
<tr>
<td>BIO 1131, Gen. Biology I Lab</td>
<td>1</td>
</tr>
<tr>
<td>AGR 1214, Animal Science</td>
<td>4</td>
</tr>
<tr>
<td>AGR 1210, Animal Science Lab</td>
<td>0</td>
</tr>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 1313, College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>Social/Behavioral Science</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 1123, Eng. Comp. II</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2113, Prin. of Econ.</td>
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</tr>
<tr>
<td>Humanities Elective</td>
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</tr>
<tr>
<td>BIO 1143, General Biology II</td>
<td>3</td>
</tr>
<tr>
<td>BIO 1141, Gen. Biology II Lab</td>
<td>1</td>
</tr>
<tr>
<td>MAT 2323, Statistics</td>
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<tr>
<td><strong>Total</strong></td>
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SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>Humanities Elective</td>
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<td>CHE 1211, Gen. Chemistry I Lab</td>
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</tr>
<tr>
<td>SPT 1113, Public Speaking I</td>
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</tr>
<tr>
<td>CSC 1113, Computer Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MAT 1323, Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 1223, Gen. Chemistry II</td>
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<tr>
<td>CHE 1221, Gen. Chemistry II Lab</td>
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<tr>
<td>BIO 2923, Microbiology</td>
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</tr>
<tr>
<td>BIO 2921, Microbiology Lab</td>
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</tr>
<tr>
<td>Recommended Elective</td>
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</tr>
<tr>
<td>Fine Arts Elective</td>
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</tr>
<tr>
<td>Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

Biology (Major Code 704)

Advisers: Adris, Barnes, Cleveland, Cox, Greene, Grisham, Holt, Montgomery, Nickens, Robison, Stokes, L. Strong, Sylvester, P. Thimmaiah, J.C. Wester

This curriculum is designed for students who plan to continue their education at a senior college and will be candidates for a Bachelor of Arts or Bachelor of Science degree. Satisfactory completion makes the student eligible for the Associate of Arts degree.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 1313, College Algebra</td>
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<td>CHE 1213, Gen. Chemistry I</td>
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<td>CHE 1211, Gen. Chemistry I Lab</td>
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<tr>
<td>BIO 1133, Gen. Biology I</td>
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<td>BIO 1131, Gen. Biology I Lab</td>
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<td>CSC 1113, Computer Concepts</td>
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<tr>
<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
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<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 1123, Eng. Comp. II</td>
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</tr>
<tr>
<td>MAT 1323, Trigonometry</td>
<td>3</td>
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<td>CHE 1223, Gen. Chemistry II</td>
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<td>CHE 1221, Gen. Chemistry II Lab</td>
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</tr>
<tr>
<td>BIO 1143, Gen. Biology II</td>
<td>3</td>
</tr>
<tr>
<td>BIO 1141, Gen. Biology II Lab</td>
<td>1</td>
</tr>
<tr>
<td>SPT 1113, Public Speaking I</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>First Semester Semester Hours</th>
<th>Second Semester Semester Hours</th>
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<tbody>
<tr>
<td>ENG 2323, British Literature I ............3</td>
<td>ENG 2333, British Literature II...........3</td>
</tr>
<tr>
<td>CHE 2424, Organic Chemistry I ............4</td>
<td>CHE 2434, Organic Chemistry II ............4</td>
</tr>
<tr>
<td>CHE 2420, Organic I Lab .................0</td>
<td>CHE 2430, Organic Chem. II Lab.............0</td>
</tr>
<tr>
<td>PSY 1513, General Psychology ..........3</td>
<td>Fine Arts ..........................................3</td>
</tr>
<tr>
<td>SOC 2113, Intro. to Sociology I ..........3</td>
<td>PHY 2423, General Physics II ..........3</td>
</tr>
<tr>
<td>PHY 2413, Gen. Physics I ...............3</td>
<td>PHY 2421, Gen. Physics Lab II ........1</td>
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<tr>
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</table>

Chemistry (Major Code 708)

Advisers: Cox, Hamilton-Wims, Rourke, K. Thimmaiah, P. Thimmaiah

Students who plan to continue their study at a senior college and will be candidates for a Bachelor of Arts or Bachelor of Science degree can prepare themselves for a major or minor in chemistry with the following program. Variations are permitted, and students should consult the catalog of their future college to ensure that their requirements will be met. Satisfactory completion of this course of study entitles the student to an Associate of Arts degree.

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>First Semester Semester Hours</th>
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</tr>
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<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I ............3</td>
<td>ENG 1123, Eng. Comp. II ............3</td>
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<tr>
<td>*MAT 1613, Calculus ..........3</td>
<td>MAT 1623, Calculus II ..........3</td>
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<tr>
<td>CHE 1213, Chemistry I ..........3</td>
<td>CHE 1223, Chemistry II ..........3</td>
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<tr>
<td>CHE 1211, Chemistry I Lab ........1</td>
<td>Che 1221, Chemistry II Lab ..........1</td>
</tr>
<tr>
<td>HIS 1113 or HIS 2213 ...........3</td>
<td>**HIS 1123 or HIS 2223 ...........3</td>
</tr>
<tr>
<td>CSC 2134, Comp. Prog. I w/C++ ........4</td>
<td>SPT 1113, Public Speaking I ..........3</td>
</tr>
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**SOPHOMORE YEAR**

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</thead>
<tbody>
<tr>
<td>ENG 2323, British Literature I ............3</td>
<td>ENG 2333, British Literature II ............3</td>
</tr>
<tr>
<td>CHE 2424, Organic Chemistry I ............4</td>
<td>CHE 2434, Organic Chemistry II ............4</td>
</tr>
<tr>
<td>CHE 2420, Organic I Lab .............0</td>
<td>CHE 2430, Organic Chem. II Lab ............0</td>
</tr>
<tr>
<td>MAT 2613, Calculus III ..........3</td>
<td>Social Science .........................3</td>
</tr>
<tr>
<td>PHY 2513, Engineering Physics I ........3</td>
<td>PHY 2523, Engineering Physics II ..........3</td>
</tr>
<tr>
<td>PHY 2511, Eng. Physics I Lab ........1</td>
<td>PHY 2521, Eng. Physics II Lab ..........1</td>
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<td>Fine Arts .........................3</td>
<td>MAT 2623, Calculus IV ........3</td>
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<td><strong>Total 17</strong></td>
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</table>

* Students who must take Algebra and Trigonometry are advised to take them during the summer prior to fall enrollment.

** Forestry (Major Code 130)**

Adviser: Donahou

This course is designed for a student who wishes to major in forestry or one of its options (see below). A student will receive an Associate of Arts degree upon completion of this two-year program of study.

*continued on next page*
### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Semester</th>
<th>Semester Hours</th>
<th>Semester</th>
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</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
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<td>ENG 1123, Eng. Comp. II</td>
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<tr>
<td>SPT 1113, Public Speaking I</td>
<td>3</td>
<td>AGR 2314, Basic Soils</td>
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<tr>
<td>MAT 1313, College Algebra</td>
<td>3</td>
<td>MAT 2323, Statistics</td>
<td>3</td>
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<td>BIO 1313/1311, Botany I and Lab</td>
<td>4</td>
<td>AGR 1523, Intro. to Forestry</td>
<td>3</td>
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<td>ECO 2123, Prin. of Microeconomics</td>
<td>3</td>
<td>Fine Arts Elective</td>
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### SOPHOMORE YEAR

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<th>Semester</th>
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</thead>
<tbody>
<tr>
<td>Fall</td>
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<td>Spring</td>
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<tr>
<td>CHE 1213/1211, Chem. I and Lab</td>
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<td>CHE 1223/1221, Chem. II and Lab</td>
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<tr>
<td>BIO 2314/2310, Dendrology</td>
<td>4</td>
<td>CSC 1123, Comp. Applications I</td>
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<tr>
<td>*CSC 1113, Computer Concepts</td>
<td>3</td>
<td>Social/Behavioral Science</td>
<td>3</td>
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<tr>
<td>BIO 2414, Zoology I</td>
<td>4</td>
<td>Humanities Electives</td>
<td>6</td>
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<td>BIO 2410, Zoology I Lab</td>
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<td><strong>Approved Math/Science Elective</strong></td>
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<td><strong>Total</strong></td>
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</table>

The student has several options within this major. There are generally two divergent areas of study—Forestry OR Wildlife and Fisheries Science. Each has options as well as specific course requirements as outlined below. Students should consult with an adviser to customize their program of study.

* Students with previous software experience may take another approved elective.

** Forestry Options: Students should take MAT 1323 (Trigonometry) and PHY 2413/2411 (Physics and Physics Lab).

** Wildlife and Fisheries Science Options: Students should take MAT 1513 (Business Calculus I) or MAT 1613 (Calculus I) as well as another approved elective.

### General Agriculture (Major Code 105)

Adviser: Donahou

This curriculum is designed to give the student a broad training in the overall field of agriculture. Electives may be used to give the student additional training in desired subject-matter areas. It is extremely important that the student discuss options with their adviser.

### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Semester</th>
<th>Semester Hours</th>
<th>Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>First</td>
<td></td>
<td>Second</td>
<td></td>
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<tr>
<td>BIO 1313, Botany I</td>
<td>3</td>
<td>Social/Behavioral Science</td>
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<td>BIO 1311, Botany I Lab</td>
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<td>CHE 1323, Prin. of Chem. II</td>
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<tr>
<td>CHE 1313, Prin. of Chem. I</td>
<td>3</td>
<td>CHE 1321, Prin. of Chem. II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHE 1311, Prin. of Chem. I Lab</td>
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<td>ENG 1123, Eng. Comp. II</td>
<td>3</td>
</tr>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
<td>3</td>
<td>Recommended Elective</td>
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</tr>
<tr>
<td>MAT 1313, College Algebra</td>
<td>3</td>
<td>BIO 1323, Botany II</td>
<td>3</td>
</tr>
<tr>
<td>Recommended Elective</td>
<td>3</td>
<td>BIO 1321, Botany II Lab</td>
<td>1</td>
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<td><strong>Total</strong></td>
<td><strong>16</strong></td>
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### SOPHOMORE YEAR

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<thead>
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<tr>
<td>AGR 1313, Plant Science</td>
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<tr>
<td>AGR 1310, Plant Science Lab</td>
<td>0</td>
</tr>
<tr>
<td>CSC 1113, Computer Concepts</td>
<td>3</td>
</tr>
<tr>
<td>AGR 1214, Animal Science</td>
<td>4</td>
</tr>
<tr>
<td>ECO 2123, Prin. of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 1323, Trigonometry</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>AGR 2314, Basic Soils</td>
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<td>AGR 2310, Basic Soils Lab</td>
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<tr>
<td>SPT 1113, Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts Elective</td>
<td>3</td>
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<tr>
<td>PHY 2413, General Physics I</td>
<td>3</td>
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<tr>
<td>PHY 2411, Gen. Physics I Lab</td>
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<tr>
<td>Recommended Electives</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
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</tbody>
</table>

Students may take General Chemistry (CHE 1213/1211 and CHE 1223/1221) rather than Principles of Chemistry. This, as well as other options, should be discussed with the adviser.

Recommended electives should be taken from the applicable courses below:

- **Agriculture Information Science**—Statistics, General Biology I and II
- **Agricultural Science**—Zoology, Organic Chemistry
- **Agronomy (Soil Sciences, Golf and Turf Management, IPM)**—Calculus I, Microbiology, Organic Chemistry, Physics II, Statistics
- **General Science (Major Code 724)**

Advisers: Adris, Barnes, Cleveland, Cox, Greene, Grisham, Holt, McPherson, Montgomery, Nickens, Stokes, Sylvester

The following is for a student who plans to transfer to a four-year college or university with advanced standing leading to the B.S. degree. Satisfactory completion of this curriculum entitles the student to the Associate of Arts degree. Substitutions in some cases may be made with the approval of the adviser.

### FRESHMAN YEAR

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<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
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<td>Foreign Language I</td>
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<td>BIO 1133, Gen. Biology I</td>
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<tr>
<td>BIO 1131, Gen. Biology I Lab</td>
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<tr>
<td>Social Science Elective</td>
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<th>Second Semester</th>
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<tbody>
<tr>
<td>ENG 1123, Eng. Comp. II</td>
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<td>Foreign Language II</td>
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<tr>
<td>MAT 1323, Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>BIO 1143, Gen. Biology II</td>
<td>3</td>
</tr>
<tr>
<td>BIO 1141, Gen. Biology II Lab</td>
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<tr>
<td>Elective</td>
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<td>Fine Arts Elective</td>
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### SOPHOMORE YEAR

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<td>ENG 2323, British Literature I</td>
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<tr>
<td>*PHY 2413, Physics I</td>
<td>3</td>
</tr>
<tr>
<td>*PHY 2411, Physics I Lab</td>
<td>1</td>
</tr>
<tr>
<td>PSY 1513, General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CSC 1113, Computer Concepts</td>
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<td>Foreign Language III</td>
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<td><strong>Total</strong></td>
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<th>Second Semester</th>
<th>Semester Hours</th>
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</tr>
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<td>*PHY 2423, Physics II</td>
<td>3</td>
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<td>*PHY 2421, Physics II Lab</td>
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<td>SPT 1113, Public Speaking I</td>
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</tr>
<tr>
<td>HIS 1113, Western Civilization I</td>
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</tr>
<tr>
<td>Philosophy</td>
<td>3</td>
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</table>

* CHE 1213/1211 and CHE 1223/1221 may be substituted.
The medical lab scientist performs analytical tests on body fluids, cells and products, the results of which are used by physicians to diagnose disease, to select and monitor treatment and to counsel for prevention of disease. These tests require knowledge and skills in medical chemistry, hematology, immunology, immunohematology and microbiology. In the work arena the role of the medical lab scientist has expanded beyond the scientific aspects to include management and teaching. Pre-Med option: A B.S. degree in Medical Laboratory Sciences is excellent preparation for applicants to medical school.

It is advisable that the medical lab science baccalaureate degree requirements of the senior college you plan to attend be investigated prior to the sophomore year so that electives may be chosen wisely. The student must maintain a high quality of academic work. The University of Mississippi Medical Center in Jackson and the University of Tennessee College of Allied Health Sciences in Memphis offer two-year B.S. degree programs which require two years of preparatory course work.

A graduate of the course outlined below is entitled to the Associate of Arts degree.

**PRE-MEDICAL LABORATORY SCIENCES 2+2 OPTION**

**FRESHMAN YEAR**

<table>
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<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
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<td>ENG 1123, Eng. Comp. II</td>
<td>3</td>
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<tr>
<td>CHE 1213, Chemistry I</td>
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</tr>
<tr>
<td>CHE 1211, Chemistry I Lab</td>
<td>1</td>
<td>CHE 1221, Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>MAT 1313, College Algebra</td>
<td>3</td>
<td>MAT 1323, Trigonometry (or higher)</td>
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<td>BIO 1133, General Biology I</td>
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<td>BIO 1143, Gen. Biology II</td>
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</tr>
<tr>
<td>BIO 1131, Gen. Biology I Lab</td>
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<td>BIO 1141, Gen. Biology II Lab</td>
<td>1</td>
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<tr>
<td>Fine Arts Elective</td>
<td>3</td>
<td>SOC 2113, Sociology I</td>
<td>3</td>
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<td><strong>17</strong></td>
<td><strong>Total</strong></td>
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**SOPHOMORE YEAR**

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<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>CHE 2424, Organic Chemistry I</td>
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<tr>
<td>CHE 2420, Organic Chem. I Lab</td>
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<tr>
<td>Elective*</td>
<td>3</td>
<td>BIO 2923, Microbiology I</td>
<td>3</td>
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<td>BIO 2513, A &amp; P I</td>
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<td>BIO 2921, Microbiology I Lab</td>
<td>1</td>
</tr>
<tr>
<td>BIO 2511, A &amp; P I Lab</td>
<td>1</td>
<td>CSC 1113, Computer Concepts</td>
<td>3</td>
</tr>
<tr>
<td>PSY 1513, Gen. Psychology</td>
<td>3</td>
<td>SPT 1113, Public Speaking I</td>
<td>3</td>
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<td>ENG 2423, British Literature I</td>
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<td>ENG 2433, British Literature II</td>
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<td><strong>17</strong></td>
<td><strong>Total</strong></td>
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</tr>
</tbody>
</table>

* Recommended electives: Calculus, psychology, sociology, management and computer courses.

**PRE-MEDICAL TECHNOLOGY OPTION (3+1)**

An alternative to the 2+2 option offered at the University of Mississippi Medical Center in Jackson is the 3+1 program at the University of Mississippi which leads to a Bachelor of Science degree in medical technology. In addition to the curricu-
lum presented below, students must complete one year of additional requirements at the University of Mississippi prior to beginning the professional clinical year at North Mississippi Medical Center (NMMC) in Tupelo. No tuition is charged by NMMC for clinical year studies.

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
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<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
<td>ENG 1123, Eng. Comp. II</td>
</tr>
<tr>
<td>CHE 1213, Chemistry I</td>
<td>CHE 1223, Chemistry II</td>
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<td>CHE 1211, Chemistry I Lab</td>
<td>CHE 1221, Chemistry II Lab</td>
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<tr>
<td>MAT 1313, College Algebra</td>
<td>MAT 1323, Trigonometry</td>
</tr>
<tr>
<td>BIO 1133, General Biology I</td>
<td>BIO 1143, General Biology II</td>
</tr>
<tr>
<td>BIO 1131, General Biology I Lab</td>
<td>BIO 1141, General Biology II Lab</td>
</tr>
<tr>
<td>CSC 1113, Computer Concepts</td>
<td>SPT 1113, Public Speaking I</td>
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<tr>
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**SOPHOMORE YEAR**

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<th>First Semester</th>
<th>Second Semester</th>
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</thead>
<tbody>
<tr>
<td>CHE 2424, Organic Chemistry I</td>
<td>CHE 2434, Organic Chemistry II</td>
</tr>
<tr>
<td>CHE 2420, Organic Chem. I Lab</td>
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<td>PSY 1513, Gen. Psychology</td>
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<td>ENG 2423, British Literature I</td>
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</table>

**Pre-Cytotechnology (Major Code 730)**

Advisers: Adris, Barnes, Bonds, Cleveland, Cox, Grisham, Holt, Nickens, Stokes, Sylvester, P. Thimmaiah

This curriculum is designed to provide the necessary requirements for the student to apply to the University of Mississippi Medical Center in Jackson, Miss., for an additional two years of study leading to a baccalaureate degree. The program also prepares the student for certification examinations in cytotechnology.

A cytotechnologist is a member of the health-care team who works with cell samples, prepares them for examination on slides, stains and studies the preparation. By knowing what normal cells look like, the cytotechnologist can recognize those changes which relate to cancer and other disease processes. Most cytotechnologists work in hospitals under a pathologist’s direction, but may also work in clinics and private laboratories.

An Associate of Arts degree is awarded by Northwest upon completion of the curriculum below.

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### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
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<td>ENG 1123, Eng. Comp. II</td>
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<tr>
<td>MAT 1313, College Algebra</td>
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<td>MAT 1323, Trig. or higher math</td>
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<td>CHE 1223, Chemistry II</td>
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<td>CHE 1211, Chemistry I Lab</td>
<td>1</td>
<td>CHE 1221, Chemistry II Lab</td>
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<td>BIO 1133, Gen. Biology I</td>
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### SOPHOMORE YEAR

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<th>Semester Hours</th>
<th>Second Semester</th>
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<tr>
<td>SOC 2113, Intro. to Sociology I</td>
<td>3</td>
<td>BIO 2923, Microbiology</td>
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<td>Humanities**</td>
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<td>BIO 2921, Microbiology Lab</td>
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<td>CSC 1113, Computer Concepts</td>
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<td>Social Science*</td>
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<tr>
<td>PSY 1513, General Psychology</td>
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Electives for transfer must not be Botany, Physical Education, or Career-Technical courses. A total of 65 semester hours of acceptable courses are needed, with a grade of “C” or better.

* Social Science: excluding history

** Humanities: Literature, Foreign Language, Philosophy, Religion, History, or Journalism

### Pre-Dental or Pre-Medical (Major Code 732 or 736)

Advisers: Adris, Barnes, Cox, Greene, Grisham, Hamilton-Wims, Holt, Miller, Montgomery, Rourke, Sylvester, K. Thimmaiah, P. Thimmaiah

A minimum of 90 acceptable hours of college work is required for entrance into dental school or medical school. Students should apply for admission to the dental school or for admission to the medical school they plan to attend during the third year in college. The American Dental Association Dental Admission Test is normally taken during the sophomore year. The Medical College Admission Test should be taken during the junior year. The student must maintain a high quality of academic work for both programs. A graduate of the following two-year curriculum is entitled to the Associate of Arts degree.

### FRESHMAN YEAR

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<tr>
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<th>Second Semester</th>
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<td>CHE 1211, Chemistry I Lab</td>
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<tr>
<td>MAT 1313, College Algebra</td>
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<td>MAT 1323, Trigonometry</td>
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<tr>
<td>BIO 1133, General Biology I</td>
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<td>BIO 1143, General Biology II</td>
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<td>BIO 1131, General Biology I Lab</td>
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<td>BIO 1141, General Biology II Lab</td>
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<td>PSY 1513, General Psychology</td>
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SOPHOMORE YEAR

First Semester   Semester Hours  Second Semester   Semester Hours
CHE 2424, Organic Chemistry I .......4  CHE 2434, Organic Chemistry II ......4
CHE 2420, Organic Chem. I Lab ......0  CHE 2430, Organic Chem. II Lab ......0
PHY 2413, General Physics I ..........3  PHY 2423, General Physics II ..........3
PHY 2411, General Physics I Lab ......1  PHY 2421, Physics II Lab .............1
MFL 1213, (1113), Foreign Lang ......3  MFL 1223, (1123), Foreign Lang ......3
Fine Arts Elective........................3  CSC 1113, Computer Concepts ..........3
SOC 2113, Sociology I .................3
Total                                  17

Pre-Dental Hygiene (Major Code 734)

Advisers: Adris, Barnes, Bonds, Cleveland, Cox, Grisham, Holt, Montgomery, Nickens, Stokes, Sylvester, K. Thimmaiah, P. Thimmaiah, J.C. Wester

This program is designed for the student to take the first two years of course work at Northwest, and transfer to the University of Mississippi Medical Center in Jackson for the junior and senior years of course work. The University of Tennessee College of Allied Health Professions in Memphis has slightly different requirements. (See note.) An Associate of Arts degree is awarded by Northwest upon completion of the curriculum below.

FRESHMAN YEAR

First Semester   Semester Hours  Second Semester   Semester Hours
ENG 1113, Eng. Comp. I ................3  ENG 1123, Eng. Comp. II ..............3
CHE 1211, Gen. Chem. I Lab ..........1  CHE 1221, Gen. Chem. II Lab ..........1
BIO 2511, A & P I Lab .................1  BIO 2521, A & P II Lab ...............1
MAT 1313, College Algebra .............3  PSY 1523, Gen. Psychology II ........3
PSY 1513, Gen. Psychology ............3  CSC 1113, Computer Concepts ..........3
Total                                  17

Total                                  17

SOPHOMORE YEAR

First Semester   Semester Hours  Second Semester   Semester Hours
ENG 2323, British Lit. I (Humanities) ......3  ENG 2333, British Lit. II (Humanities) ....3
BIO 1133, Gen. Biology I ..............3  EPY 2533, Human Growth & Dev. ........3
BIO 1131, Gen. Biology I Lab ..........1  FCS 1253, Nutrition ....................3
SOC 2113, Intro. to Sociology I .......3  SOC 2123, Intro. to Sociology II ......3
SPT 1113, Public Speaking I ..........3  Fine Arts Elective.....................3
BIO 2923, Microbiology ................3
BIO 2921, Microbiology Lab ...........1
Total                                  17

Total                                  17

A grade of “C” or better in each course is required.

Applicants to the dental hygiene program are expected to complete two observations at separate clinics prior to applying.

* Or other Psychology/Sociology Elective
Pre-Nursing (B.S.N.) (Major Code 748)
Advisers: Adris, Barnes, Bonds, Cleveland, Cox, Grisham, Hamilton-Wims, Holt, Miller, Montgomery, Rourke, Stokes, Sylvester, K. Thimmaiah, P. Thimmaiah, J.C. Wester

Two types of nursing programs are normally pursued in Mississippi. One is an associate degree program that is offered at Northwest by the Nursing Department. The other is a four-year transfer program, with the first two years taken at Northwest and the final two years taken at a nursing school such as the University of Mississippi Medical Center at Jackson. Some students find it advisable to attend one year of pre-nursing before going into an associate degree program.

This pre-nursing program is for those students who wish to transfer into a school of nursing other than Northwest Mississippi Community College Associate Degree Nursing Program. Considerable flexibility is allowed in the selection of courses and the student should consult the requirements for the school he or she plans to enter to ensure that these requirements will be met. Students who plan to enter the Northwest Nursing Program should consult that department for suggested changes in the curriculum that will better prepare them for this program.

**FRESHMAN YEAR**

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<tr>
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<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
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<tr>
<td>MAT 1313, College Algebra</td>
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<td>BIO 2513, A &amp; P I</td>
<td>3</td>
</tr>
<tr>
<td>SOC 2113, Intro. to Sociology</td>
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<tr>
<td>PSY 1513, Gen. Psychology</td>
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<tr>
<td>EPY 2533, Human Growth &amp; Dev.</td>
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<tr>
<td>BIO 2523, A &amp; P II</td>
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<tr>
<td>BIO 2521, A &amp; P II Lab</td>
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<td>Humanities Elective**</td>
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<td>FCS 1253, Nutrition</td>
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**SOPHOMORE YEAR**

<table>
<thead>
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<td>SOC 2143, Marriage and Family</td>
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<tr>
<td>BAD 2323 Business Statistics</td>
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</tr>
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<td>CSC 1113, Computer Concepts</td>
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<thead>
<tr>
<th>Second Semester</th>
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</thead>
<tbody>
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<td>Social/Behavioral Science Elective*</td>
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<tr>
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<td>BIO 2921, Microbiology Lab</td>
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</tr>
<tr>
<td>Fine Arts Elective</td>
<td>3</td>
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<tr>
<td>BIO 1133, General Biology I</td>
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<tr>
<td>BIO 1131, Gen. Biology I Lab</td>
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<tr>
<td>Humanities Elective**</td>
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<tr>
<td>Total</td>
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</table>

* Choose from: Economics, Geography, Political Science, History, Psychology II.

** Two courses; choose from: Art, Drama, Foreign Language, Journalism, Literature, Music, Philosophy, History.

*** Chemistry is required at University of Mississippi Medical Center School of Nursing but is not required at some other schools.

Pre-Occupational Therapy (Major Code 752)

The University of Mississippi School of Health Related Professions in Jackson offers the Master of Science degree in occupational therapy with a prerequisite of 72 hours. Students would attend two years at Northwest then three years at University of Mississippi Medical Center. The University of Tennessee offers a Master of Science degree with a prerequisite of 90 hours.
Northwest has designed a program to provide the student with the academic requirement for admission. An Associate of Arts degree is awarded by Northwest upon completion of the curriculum below.

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
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<tr>
<td>MAT 1313, College Algebra</td>
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<td>BIO 2513, A &amp; P I</td>
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<tr>
<td>CHE 1213, Gen. Chemistry I</td>
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<tr>
<td>PSY 1513, Gen. Psychology I</td>
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<tr>
<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>Second Semester</th>
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<td>MAT 1323, Trigonometry</td>
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<td>BIO 2523, A &amp; P II</td>
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**SOPHOMORE YEAR**

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<td>BIO 1133, Gen. Biology I</td>
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<tr>
<td>BIO 1131, Gen. Biology I Lab</td>
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</tr>
<tr>
<td>PSY 1513, Gen. Psychology</td>
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<td>BIO 1143, Gen. Biology II</td>
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</table>

* Student may choose among literature, foreign language, or philosophy.

**Pre-Optometry (Major Code 738)**

Advisers: Adris, Barnes, Cox, Greene, Grisham, Hamilton-Wims, Holt, McPherson, Miller, Montgomery, Rourke, Sylvester, K. Thimmaiah, P. Thimmaiah

A minimum of 90 acceptable hours of college work is required for entrance into optometry school. Students should apply for admission to the optometry school they plan to attend during their third year in college. The Optometry School Admissions Test should be taken during the junior year. The student must maintain a high quality of academic work. A graduate of the following two-year curriculum is entitled to the Associate of Arts degree. The student must select a major at the senior college of his choice.

**FRESHMAN YEAR**

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<tr>
<td>MAT 2323, Statistics</td>
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<td>BIO 1133, Gen. Biology I</td>
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<tr>
<td>BIO 1131, Gen. Biology I Lab</td>
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<tr>
<td>PSY 1513, Gen. Psychology</td>
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<td>MAT 1613, Calculus I</td>
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<td>BIO 1143, Gen. Biology II</td>
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<td>BIO 1141, Gen. Biology II Lab</td>
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<td>CSC 1113, Computer Concepts</td>
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*   Student may choose among literature, foreign language, or philosophy.
**  Must provide evidence of 16 hours of observation in at least two Occupational Therapy clinical departments.

continued on next page
### SOPHOMORE YEAR

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<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
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<td>BIO 2923, Microbiology</td>
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<td>Social Science</td>
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### Pre-Pharmacy (Major Code 756)

Advisers: Adris, Barnes, Cox, Greene, Grisham, Hamilton-Wims, Holt, McPherson, Miller, Montgomery, Rourke, Sylvester, K. Thimmaiah, P. Thimmaiah

The following pre-pharmacy courses are the basis for the six-year pharmacy curriculum which may be completed in four additional years at the professional pharmacy school and university. Increasing competition for entrance into the professional pharmacy school requires that the student should maintain an above average grade point average during the freshman and sophomore years. Some professional pharmacy schools also require that the Pharmacy College Admission Test be taken during the sophomore year. A graduate of the following two-year program is entitled to the Associate of Arts degree.

### FRESHMAN YEAR

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<th>First Semester</th>
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<tr>
<td>MAT 1613, Calculus I</td>
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<td>PSY 1513, Gen. Psychology</td>
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<td>Fine Arts Elective</td>
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Electives: Electives selected must include at least six hours in the Social Sciences and 9 hours in Humanities and Fine Arts—at least one course in Humanities and one in Fine Arts. Psychology is a recommended elective. Students may take 3 semesters of Band for the Performing Fine Arts. There must be a total of 21 hours of electives.
Pre-Physical Therapy (Major Code 760)
This program is designed for the student who plans to continue a Bachelor of Science degree at a four-year college or university then apply to the Doctor of Physical Therapy program at the University of Mississippi Medical Center (UMMC) in Jackson, Miss., or other Physical Therapy programs in the surrounding states of Tennessee, Georgia and Arkansas. The student should be aware that the entrance to all Physical Therapy programs, including the one in Jackson, is highly competitive, and high grade point average is usually required for acceptance. In addition to the high academic standards, evidence of 40 hours observation in at least two physical therapy clinical departments or practices is required of all applicants. Most Physical Therapy programs are three years beyond a Bachelor of Science degree. It is highly recommended that students who choose this program work closely with their advisers. An Associate of Arts degree is awarded by Northwest upon completion of the curriculum below.

FRESHMAN YEAR

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<tr>
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<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
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<td>MAT 1323, Trigonometry ...........</td>
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SOPHOMORE YEAR

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Students must complete 40 hours of observation in at least two physical therapy departments or clinical sites before applying to the University of Mississippi Medical Center.

Pre-Radiological Sciences (Major Code 764)
The radiologic sciences degree program at the University of Mississippi Medical Center provides an educational experience in a scholarly environment to help students reach their highest potential in technical knowledge and clinical competency in radiologic technology. Students who satisfactorily complete all the requirements will be awarded the Bachelor of Science in Radiologic Sciences from the University of Mississippi.
Baptist College of Health Sciences, Memphis, offers the Bachelor of Health Science de-
gree with a major in Medical Radiography, Diagnostic Medical Sonography, Nuclear Medicine Technology, or Radiation Therapy Technology. Enrollment in each of the majors is limited to the number of clinical sites available. Students are encouraged to meet with their adviser early in their academic career if they are considering transferring to Baptist College to complete their baccalaureate degree in any of these majors.

**FRESHMAN YEAR**

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<tr>
<th>First Semester</th>
<th>Semester Hours</th>
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<td>CSC 1113, Computer Concepts</td>
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<td>BIO 2523, A &amp; P II</td>
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**SOPHOMORE YEAR**

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<td>BIO 1131, Gen. Biology I Lab</td>
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<td>Sociology Elective</td>
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<td>Humanities Elective*</td>
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* Electives vary depending on concentration and school you plan to attend. It is critical to seek adviser guidance when selecting electives.

**Pre-Veterinary Medicine (Major Code 768)**


This curriculum is designed for students who wish to major in Veterinary Medicine. Students can transfer to Mississippi State’s School of Veterinary Medicine for the additional four years of professional training. Satisfactory completion of the Northwest curriculum will qualify the student for the Associate of Arts degree. In addition, applicants to the School of Veterinary Medicine must complete four additional courses for admission: Nutrition, Genetics, Cell Biology and Biochemistry.

**FRESHMAN YEAR**

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<tr>
<td>Humanities/Fine Arts</td>
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| **Total** | **17** |

132 • Academic Education
### SOPHOMORE YEAR

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### Outdoor Recreation and Management (Major Code 131)

Adviser: Donahou

**Major can be completed fully online.**

This two-year curriculum is designed for those seeking to further their studies and obtain a Bachelor of Arts degree from a four-year institution. The outlined coursework prepares those students seeking a Bachelor of Arts degree in Park and Recreation Management. Graduates will find careers in park management, recreation, as youth program leaders, and in the military. Our program at Northwest allows the student to compete for the Corps of Engineers Student Career Experience Program (SCEP). The student must maintain a high quality of academic work. A graduate of the following two-year curriculum is entitled to the Associate of Arts degree.

### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
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<td><strong>History Elective</strong> ...................3</td>
<td><strong>History Elective</strong> ................3</td>
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<td>HPR 1213, Health .......................3</td>
<td>SPT 1113, Public Speaking I ..........3</td>
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<tr>
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### SOPHOMORE YEAR

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<td>HPR 2213, First Aid .............3</td>
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<td>EPY 2533, Human Growth &amp; Dev .......3</td>
<td>PSY 1513, Gen. Psychology ........3</td>
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<td>MAT 2323/BAD 2323, Statistics ...3</td>
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There are generally four tracks offered at universities within this major: Therapeutic Recreation, Recreational Sports Leadership, Tourism and Outdoor Recreation and Interpretation. Students should consult with an adviser for specific requirements.

*BIO 2513/2511, and BIO 2523/2521, Anatomy and Physiology should be taken if the student chooses the Recreational Sports Leadership track.

**GEO 1113, World Geography as well as other history and science electives should be taken if the student chooses the Outdoor Recreation and Interpretation track. Also, the literature classes should be consecutive courses in either British Literature OR American Literature.*
Physics (Major Code 788)

Adviser: McPherson, Montgomery

The following curriculum is for students who plan to continue their education at a senior college with a major or minor in physics. Some variation is possible, especially if the student has a good high school foundation in mathematics. An Associate of Arts degree is awarded upon completion of this curriculum.

**FRESHMAN YEAR**

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<td>MAT 1613, Calculus I</td>
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<td>CHE 1213, Gen. Chemistry I</td>
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<td>Foreign Language I</td>
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**SOPHOMORE YEAR**

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<td>Literature I</td>
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Pre-Forensic Chemistry (Major Code 710)

Advisers: Hamilton-Wims, McPherson, Montgomery, Rourke, Sylvester, K. Thimmaiah, P. Thimmaiah

The University of Mississippi is currently the only university in the state offering a degree in forensic chemistry, a program designed for students who wish to participate in the scientific aspect of criminology and law enforcement. Due to the rigorous nature of the curriculum, students wishing to enroll in forensic chemistry are expected to demonstrate an aptitude for mathematics and science as demonstrated by a minimum score of 22 on the Enhanced Math section of the ACT. Students with Enhanced Math ACT scores between 19 and 22 may complete the curriculum by taking additional courses during the summer to overcome the math deficiency. In addition, the student must maintain a high quality of academic work at the community college level in order to be competitive for internships required following the junior year of study at the University of Mississippi. This degree is intended for students interested in the inorganic and chemical aspects of forensic science. Students interested in the biological aspects, including DNA analysis, may consider a degree in Pre-Medical Laboratory Sciences. A graduate of the following two-year curriculum is entitled to the Associate of Arts degree.
### FRESHMAN YEAR

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<tr>
<td>CHE 2430, Organic Chemistry II Lab</td>
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<tr>
<td>PSY 1513, Gen. Psychology</td>
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<tr>
<td>PHY 2523, Engineering Physics II</td>
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<tr>
<td>PHY 2521, Eng. Physics II Lab</td>
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<tr>
<td>CSC 1113, Computer Concepts</td>
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<tr>
<td>Foreign Language IV</td>
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### Pre-Horticulture (Major Code 726)

Adviser: Donahou

This curriculum is designed to provide the student with the first two years of the four-year program at Mississippi State University leading to the Bachelor of Science in floriculture and ornamental horticulture or floral management. Floriculture and ornamental horticulture is the science and art of producing, distributing, marketing, and using flowers, flowering and foliage plants, and woody ornamental landscape plants. It offers a wide variety of employment opportunities. Students who successfully complete this curriculum are eligible for the Associate of Arts degree.

### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
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<tr>
<td>MAT 1313, College Algebra</td>
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<td>CHE 1213, Gen. Chemistry I</td>
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</tr>
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<td>CHE 1211, Gen. Chemistry I Lab</td>
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<td>ACC 1213, Prin. of Accounting I</td>
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<td>ECO 2113, Macroeconomics</td>
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<tr>
<td>MAT 2323, Statistics........</td>
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<tr>
<td>CHE 1223, Gen. Chemistry II</td>
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<td>CHE 1221, Gen. Chemistry II Lab</td>
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<tr>
<td>ECO 2123, Microeconomics</td>
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<tr>
<td>SPT 1113, Public Speaking I</td>
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### SOPHOMORE YEAR

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<tr>
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<tbody>
<tr>
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<tr>
<td><em>ENG 2323, British Lit. I</em></td>
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<tr>
<td>CHE 2424, Organic Chemistry I</td>
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<td>CHE 2420, Organic Chemistry I Lab</td>
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<td>AGR 1313, Plant Science......</td>
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<tr>
<td>DDT 1413, Elem. Surveying....</td>
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<tr>
<td>BIO 1313, Botany I...........</td>
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<tr>
<td>BIO 1311, Botany I Lab........</td>
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<thead>
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<tr>
<td><em>ENG 2233, Amer. Lit. II or</em></td>
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<tr>
<td><em>ENG 2333, British Lit. II</em></td>
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<td>BIO 1323, Botany II........</td>
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<td>BIO 1321, Botany II Lab.....</td>
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<tr>
<td>BAD 2413, Legal Env. of Business</td>
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<tr>
<td>CSC 1113, Computer Concepts</td>
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<td>Fine Arts Elective..........</td>
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<td><strong>Total</strong></td>
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</tbody>
</table>

* Student may take American Literature or British Literature sequence.
Pre-Veterinary Medical Technology (Major Code 770)

Advisers: Adris, Barnes, Cleveland, Cox, Grisham, Holt, Montogomery, Stokes, Sylvester, K. Thimmaiah, P. Thimmaiah, J.C. Wester

This curriculum is designed to provide the student with the first two years of the four-year program at Mississippi State University leading to the Bachelor of Science degree in veterinary medical technology. Veterinary medical technologists are associated with food animal, equine, and small animal practices; public health organizations; federal and state regulatory agencies; animal related industries; laboratory animal medicine; animal and biomedical research; zoo and wildlife practices; and shelter practices. In addition to these courses the following are required for admittance into the program at Mississippi State: Introduction to Veterinary Careers and Veterinary Medical Terminology. Students who successfully complete this curriculum are eligible for the Associate of Arts degree.

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
<td>3</td>
<td>ENG 1123, Eng. Comp. II</td>
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</tr>
<tr>
<td>MAT 1313, College Algebra</td>
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<td>*MAT 1323, Trigonometry</td>
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<td>BIO 1133, Gen. Biology I</td>
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<td>BIO 1143, Gen. Biology II</td>
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<tr>
<td>BIO 1131, Gen. Biology I Lab</td>
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<td>BIO 1141, Gen. Biology II Lab</td>
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<td>CSC 1113, Computer Concepts</td>
<td>3</td>
<td>Social/Behavioral Science</td>
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<td>Social/Behavioral Science</td>
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<td>SPT 1113, Public Speaking I</td>
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<td><strong>Total</strong></td>
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**SOPHOMORE YEAR**

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<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td><strong>CHE 1313, Prin. of Chemistry I</strong></td>
<td>3</td>
<td><strong>CHE 1323, Prin. of Chem. II</strong></td>
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<tr>
<td>CHE 1311, Prin. of Chem. I Lab</td>
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<td>Humanities Elective</td>
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<td>Humanities Elective</td>
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<tr>
<td>Fine Arts Elective</td>
<td>3</td>
<td>BIO 2923, Microbiology</td>
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<tr>
<td>AGR 1214, Animal Science</td>
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<td>BIO 2921, Microbiology Lab</td>
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<td>AGR 1210, Animal Science Lab</td>
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<td>*<strong>Electives</strong></td>
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<td><strong>17</strong></td>
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</tbody>
</table>

* Student may take MAT 2323 Statistics in place of Trigonometry.
** Student may elect to take the General Chemistry sequence (CHE 1213/1211 and CHE 1223/1221).
*** Suggested electives: ACC 1213, ACC 1223, BAD 2413, BAD 2813 or other courses in the student’s area of interest.
The mission of Career, Technical and Workforce Education (CTWE) at Northwest Mississippi Community College is to be the work skills training provider for northwest Mississippi. As such, the College offers Associate of Applied Science degrees, Career Certificates, Work-Based Learning, Workforce Development, Adult Basic Education/GED and the support programs needed to help students succeed throughout their education and/or training, such as:

- Beverly Brewer Stark Career Center (see page 28)
- Related Studies Laboratory (see page 28)
- Career-Tech Education Support Services (see page 29)

### Degrees and Certificates

All students expecting to become candidates for degrees or certificates must adhere to the graduation policy and degree requirements and follow the Technical Core Curriculum (for students planning to obtain the Associate of Applied Science degree) found in the Academic Regulations section (page 74) of this Bulletin.

#### Associate of Applied Science Degree

The Associate of Applied Science Degree is awarded for programs designed to meet the educational needs of students who are seeking preparation for employment in occupational fields not requiring a four-year degree.

To graduate from the college with the Associate of Applied Science Degree a student must:

1. Earn a minimum of sixty-four (64) semester hours to include the eighteen (18) semester hours listed in the Technical Core Curriculum.
2. Complete the remaining courses designated by the program of study.
3. Earn a minimum grade point of 2.0 on the sixty-four (64) semester hours.
4. Complete a minimum of twenty-seven (27) semester hours at Northwest Mississippi Community College in the area of study.
5. Earn not more than eighteen (18) semester hours through any combination of the following: College Level Placement Examination (CLEP), Advanced Placement Examination, or correspondence course work. No more than twelve (12) semester hours of these eighteen (18) semester hours may be correspondence course work.
6. Be in attendance the last semester prior to graduation.

#### Career and Technical Certificates

Certificates for specific programs are awarded to students who successfully complete requirements for these programs of study as outlined in the college Bulletin. Students completing a one-year vocational program will receive a Career Certificate, and those students completing a two-year technical program will receive a Technical Certificate.
To graduate from the college with a certificate in a particular program of study a student must:

1. Make a passing grade and average a minimum 2.0 grade point on those courses required in the curriculum. Grades in the courses not listed in the curriculum will not be counted in calculating the grade point average.
2. Be in attendance the last semester prior to graduation.

**Work-Based Learning Program**

Career and technical students at Northwest Mississippi Community College may participate in Work-Based Learning. WBL is designed for students enrolled in a career or technical program and employed in a parallel workplace environment for a minimum of 15 hours per week. In order to receive three semester hours, the student must work a total number of 135 hours throughout the semester. These hours are verified with the employer by the Northwest Work-Based Learning Coordinator.

Course content is based upon the career-technical course curriculum framework, specific workplace needs, and specific objectives addressing competent workplace performance. Student progress is organized and monitored through an Education/Training Agreement. Grade is determined collaboratively by the worksite supervisor, major instructor, and the WBL coordinator. The student's course grade is based on work performance and evaluation. Should a student not fulfill all paperwork requirements, be laid off, terminated, or resign without officially withdrawing from the program, a grade of “F” is granted. Semester hour credit is based on quantity of industry contact hours. Six hours of WBL credit may be applied as technical electives and counted toward the graduation requirements of the career-technical course.

**Division of Workforce Development & Community Services**

**Workforce Development Program**

The Workforce Development Program at Northwest Mississippi Community College provides services to individuals and business/industry. Services available to individuals include assessment, basic skills training, pre-employment training, referral to full-time Career and Technical programs, and short-term adult training. Services available to business and industry include training needs assessment, assistance with the development of long-range training plans, workplace basic skills, industry specific pre-employment training, customized skills training, advanced skills training, total quality management and leadership training.

The Workforce Development Program was planned and created in accordance with Mississippi’s Workforce and Education Act of 1994 and is organized and supported through the Mississippi Community College Board and Northwest Mississippi Community College. The work of the program is driven by a District Workforce Development Council whose members represent the 11-county service area of Northwest Mississippi Community College.

For information concerning the Workforce Development Program services, call (662) 562-3457, (662) 562-3402, or email: workforce@northwestms.edu.
Adult Basic Education/GED Testing
Northwest Mississippi Community College offers a program of adult basic education to provide the opportunity for persons age 18 or over within the district to receive basic skills education through the high school level. All adults, regardless of age, are able to attend classes to acquire basic education skills or to work for a certificate of high school equivalence, the legal equivalent of a high school diploma. The certificate may be used for employment or further education.

The adult basic education program has been planned and developed in accordance with the State Plan for Adult Basic Education and is organized with the cooperation and support of superintendents of education and school principals in the district.

Adults who have no schooling or who left school in any grade from one through twelve and those in need of basic skills training may participate in the program. New students are enrolled continuously throughout the year. Placement tests are given to determine the level at which a student begins and to determine when the student is prepared to move to the next higher level of instruction or to take the General Education Development (GED) Test. The GED Test is administered by Northwest Mississippi Community College. Workforce Development Program may be contacted for additional information.

Adults enrolled in the basic education program are not charged tuition fees. Books, instructional materials, and supplies are provided at no cost. A fee is charged those who take the GED Test.

For information, e-mail: gpurdy@northwestms.edu or call (662) 562-3401.

Workforce Investment Act
The Workforce Investment Act of 1998 provides the framework for a new national workforce preparation and employment system designed to meet both the needs of the nation's businesses and the needs of job seekers and those who want to further their careers.

The Workforce Investment Act replaces the Job Training Partnership Act (JTPA) and rewrites current federal laws governing programs of job training, adult education and literacy, vocational rehabilitation, and GED and youth, replacing them with streamlined and more flexible components of workforce development systems. Northwest Mississippi Community College serves as the One-Stop Career Center and offers such services as assessment/skills needs, job search, labor market information, individual employment planning, counseling, occupational skills training, skill upgrading, job readiness, adult education, and literacy and GED programs for out-of-school youth free of charge.

Division of Continuing Education
The Division of Continuing Education is the College's administrative unit responsible for providing learning opportunities that differ from the traditional model of semester-long course instruction.

The goals of the division are:

- To reduce barriers to lifelong learning opportunities.
- To expand learning opportunities that encourage attainment of knowledge for all ages.
• To improve the variety and delivery of educational opportunities that prepare participants to become productive contributors to self and others.

The division offers a wide range of courses which vary in length, duration, and in cost depending on the topic and level of instruction. Continuing Education also provides non-traditional credit courses to serve identified needs in the district that are not being met through traditionally scheduled classes.

Activities offered include: field trips, seminars, book reviews/discussions, Kids Kollege summer camps, and various classes of interest. Please visit the Northwest website at www.northwestms.edu for a complete listing of programs.

Course Offerings

Listed below are the Career-Technical courses of study offered at each of Northwest’s campus locations.

* Career Certificate also available  ** Industry Accreditation

Senatobia (Main Campus) & Ashland Campus

Due to industry partnerships the Agricultural Technology/John Deere Tech, Automotive Technology and Industrial Electronics Engineering Technology programs are considered regional programs.

TECHNICAL PROGRAMS—SENATOBIA CAMPUS

Agricultural Business & Management Technology/Animal Husbandry
Agricultural Technology/John Deere Tech
Automotive Technology * **
   MOPAR College Automotive Program
Business & Office Technology
   Health-care Data Technology
   Microcomputer Technology
   Office Systems Technology *
Civil Engineering Technology *
Early Childhood Education Technology
Emergency Medical Technology-Paramedic **
Graphic Design Technology
Heating, Air Conditioning & Refrigeration Technology * **
Industrial Electronics Engineering Technology *
Information Systems Technology
   Computer Networking or Computer Programming
Paralegal Technology
   Pre-Paralegal Studies (Ole Miss 2+2 Option)
Precision Manufacturing & Machining Technology

CAREER PROGRAMS—SENATOBIA CAMPUS

Collision Repair Technology
Cosmetology **
   Nail Technician Option/Instructor Trainee Option
Emergency Medical Technology–Basic **
Health Care Assistant
Practical Nursing **
Welding and Cutting

CAREER PROGRAMS—ASHLAND CAMPUS
Cosmetology **
Practical Nursing **

DeSoto Center—Southaven & Olive Branch

TECHNICAL PROGRAMS—SOUTHAVEN CAMPUS
Business & Office Technology
  Accounting Technology
  Health-care Data Technology
  Microcomputer Technology
  Office Systems Technology
Business & Marketing Management Technology
Cardiovascular Technology
Funeral Service Technology **
Hotel & Restaurant Management Technology
Paralegal Technology
Respiratory Therapy **

CAREER PROGRAMS—SOUTHAVEN CAMPUS
Practical Nursing **
Office Assistant

TECHNICAL PROGRAMS—OLIVE BRANCH CAMPUS
Aviation Maintenance Technology **

CAREER PROGRAMS—OLIVE BRANCH CAMPUS
Commercial Truck Driving

Lafayette-Yalobusha Technical Center—Oxford

TECHNICAL PROGRAMS—OXFORD CAMPUS
Business & Office Technology
  Health-care Data Technology
  Office Systems Technology
Paralegal Technology
Surgical Technology *

CAREER PROGRAMS—OXFORD CAMPUS
Cosmetology **
Health Care Assistant
Office Assistant
Practical Nursing **
Courses of Study

Northwest Mississippi Community College offers more than 30 Career and Technical programs of study. Some programs have special admissions requirements, which are listed with each curriculum to which they apply.

The MS-CPAS2 (Mississippi Career Planning Assessment System) is administered to all Career-Technical students completing a program of study, unless the program requires a specific certification or license. Students who lack entry-level skills in math, English, reading, etc. will be provided related studies.

Please see the College’s website for gainful employment information.

TECHNICAL EDUCATION

Agricultural Business and Management Technology/Animal Husbandry (Major Code 6022)

Adviser: Lee • Offered at Senatobia campus only

Associate of Applied Science

The Animal Husbandry Concentration of Agricultural Business and Management Technology is designed to prepare the student for a career in the animal husbandry industry. Students will receive instruction in feeding, breeding, management, and health care of cattle and horses. In addition, the student will complete course work dealing with feed crops and soils. The Associate of Applied Science degree may be granted to students who complete a minimum of 64 semester credit hours of course work in the program.

Admission requirements: Admission standards for a full-time or part-time technical student are the same as regular admission requirements. Students must be a high school diploma graduate, present 19 acceptable units, or have satisfactory scores on the GED.

FRESHMAN YEAR

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<tbody>
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</tr>
<tr>
<td>AGR 1214, Animal Science</td>
<td>4</td>
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<tr>
<td>AGR 1313, Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>AIT 1813, Equipment Servicing, Cutting and Welding</td>
<td>3</td>
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<tr>
<td>AGT 1413, Principles of Agricultural Management</td>
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<td>BOT 1313, Applied Business Math ....3 or MAT 1113, College Algebra</td>
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<tbody>
<tr>
<td>AGT 1513, Principles of Agricultural Marketing</td>
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<td>AGR 1613, Agricultural Records ...........3</td>
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<td>AGR 2314, Soils ................................4</td>
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<td>CPT 1323, Survey of Microcomputer Applications ...................................3</td>
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<td>ENG 1113, Eng. Comp. I ........................3</td>
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Total 16
### SOPHOMORE YEAR

<table>
<thead>
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<th>Third Semester</th>
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<tbody>
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<td>AGT 2713, Beef Production I</td>
<td>3</td>
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<tr>
<td>AGT 2663, Applied Animal Nutrition</td>
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<tr>
<td>AGT 2613, Forage and Pasture Crops</td>
<td>3</td>
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<tr>
<td>Social/Behavioral Science Elective</td>
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<td>Humanities/Fine Art Elective</td>
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<table>
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<tr>
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<tr>
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<tr>
<td>AGT 1913, Animal Reproduction</td>
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<td>AGT 2863, Horse Production</td>
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<tr>
<td>AGT 2113, Supervised Ag. Exp.</td>
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</tr>
<tr>
<td>AGT 1813, Fitting/Grooming/ Judging</td>
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<tr>
<td>SPT 1113, Public Speaking I</td>
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<tr>
<td><strong>Total</strong></td>
<td>18</td>
</tr>
</tbody>
</table>

### Agricultural Technology/John Deere Tech (Major Code 6010)

Advisers: Louwerens, Massey ● Offered at Senatobia campus only

**Associate of Applied Science**

Agricultural Technology is an instructional program that prepares individuals to select, operate, maintain, service, and use agricultural power units, machinery, and equipment. Included is instruction in engine design, use, maintenance, and repair techniques. The program covers internal combustion engines service and overhaul, electrical systems, hydraulic systems, power trains, air conditioning, grain harvesting equipment, spray equipment, row crop planting systems, cotton harvesting equipment, hay harvesting equipment compact engines equipment servicing, cutting and welding, and service repair center management and operations.

The Associate of Applied Science degree may be granted to students who complete the curriculum.

**Special Admissions Requirements:** Students who wish to enter the Agriculture Technology/John Deere Tech program must:

1. Contact an adviser to make an appointment.
2. Have an ACT composite score of 15 or higher.
3. Obtain a sponsorship with a qualified John Deere dealership.
4. Provide their own tools.

Please see adviser to get a current tool list.

### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>AMT 1123, Agricultural Mechanics Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>AMT 1213, Basic Electrical/ Electronics Systems</td>
<td>3</td>
</tr>
<tr>
<td>AMT 1313, Basic Power Trains</td>
<td>3</td>
</tr>
<tr>
<td>AMT 1413, Basic Engines</td>
<td>3</td>
</tr>
<tr>
<td>Humanities/Fine Arts Elective</td>
<td>3</td>
</tr>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>Second Semester</th>
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</thead>
<tbody>
<tr>
<td>AMT 2813, Compact Engines and Equipment</td>
<td>3</td>
</tr>
<tr>
<td>AMT 1613, Basic Hydraulic Sys</td>
<td>3</td>
</tr>
<tr>
<td>AMT 292(1-6), Supervised Work Experience in Ag</td>
<td>6</td>
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<tr>
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</tbody>
</table>

*continued on next page*
First Summer Semester
AMT 1223, Advanced Electrical/ Electronic Systems..................3
AMT 1511, Principles of Air Conditioning...............................1
AMT 2113, Grain Harvesting Equip.............................3
Math/Science Elective ..................................3
Basic Computer Skills Elective .........................3

SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Third Semester</th>
<th>Semester Hours</th>
<th>Fourth Semester</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>AMT 1323, Advanced Power Trains</td>
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<td>AMT 1423, Advanced Engines</td>
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<tr>
<td>AMT 2623, Advanced Hydraulics</td>
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<td>AMT 2133, Special Problems in Agriculture Technology</td>
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<tr>
<td>AMT 292(1-6), Supervised Work Experience in Ag</td>
<td>6</td>
<td>AMT 2513, Spray Equipment</td>
<td>3</td>
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<tr>
<td></td>
<td>12</td>
<td>AMT 2713, Row Crop Planting Sys</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Social Science Elective</td>
<td>3</td>
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<tr>
<td></td>
<td></td>
<td>SPT 1113, Public Speaking I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AMT 2911, Special Projects— Professionalism</td>
<td>1</td>
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<tr>
<td>Total</td>
<td>12</td>
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</tr>
</tbody>
</table>

Students must progress through AMT coursework in sequence due to the nature of the material covered. A grade of “C” or better is required in all AMT courses for the student to advance to the next semester. Failure to achieve this minimum standard will require the student to repeat the course.

Baseline competencies are taken from the high school Agriculture Power and Machinery program. Students who can document mastery of these competencies should not receive duplicate instruction. Students who cannot demonstrate mastery will be required to do so.

Automotive Technology (Major Code 8014)

Advisers: Miller, Parrott, Yount (ASE Certified Instructors) • Offered at Senatobia campus only

Associate of Applied Science

The Automotive Technology program, fully accredited by the National Automotive Technicians Education Foundation (NATEF) and Automotive Service Excellence (ASE), provides state-of-the-art training for skilled, entry-level automobile service technicians. Upon graduation, a student will have the knowledge and skills necessary to isolate and correct specific automotive problems.

Graduates of the two-year program without the technical core courses are awarded a Technical Certificate of Automotive Technology, and those who complete the two-year program with the technical core courses are awarded the Associate of Applied Science degree in Automotive Technology. Employment opportunities for graduates of the certificate program may exist as semi-skilled automotive technicians in the automotive industry. Graduates of the technical program may qualify as automotive electronics technicians or assistant diagnostic technicians in the automotive industry.

The MOPAR College Automotive Program (CAP), a two-year associate degree program, is designed to teach late-model Chrysler, Dodge, and Jeep vehicle technology. ASE student tests will be administered. CAP students will co-op with a Chrysler, Dodge, or Jeep dealership.
Special Admissions Requirements: Students who wish to enter the MOPAR College Automotive Program (CAP) must:
1. Have an ACT composite score of 15 or higher. An exception will be granted with letters of recommendation or acceptable scores in a high school automotive program.
2. Obtain and maintain a sponsorship with a qualified dealership.
3. Provide their own tools.
4. Enrollment requires a personal interview with automotive technology adviser.
5. Please see adviser to get a current tool list.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>*ATT 1715, Engine Repair ..................5</td>
<td>*ATT 2434, Engine Performance II ....4</td>
</tr>
<tr>
<td>*ATT 1424, Engine Performance I ......4</td>
<td>*ATT 1134, Advanced Electrical/</td>
</tr>
<tr>
<td>*ATT 1124, Basic Electrical/ Electronic Systems ..................4</td>
<td>Electronic Systems.........................4</td>
</tr>
<tr>
<td>ENG 1113, English Comp. I ...........3</td>
<td>*ATT 2334, Steering/Susp. Systems...4</td>
</tr>
<tr>
<td>*ATT 1811, Intro. to Safety &amp; Emp. ...1</td>
<td>*ATT 1214, Brakes .........................4</td>
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<tr>
<td>Total 17</td>
<td>Basic Computer Skills Elective ..........3</td>
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SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Third Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>**ATT 1314, Manual Drive Trains .....4</td>
<td>**ATT 2444, Engine Performance III .4</td>
</tr>
<tr>
<td>**ATT 2325, Automatic Transmissions/ Transaxles .......................5</td>
<td>**ATT 2614, Heating and Air Conditioning .........................4</td>
</tr>
<tr>
<td>**Elective ..................................3</td>
<td>**ATT 2933, Special Problems II.......3</td>
</tr>
<tr>
<td>SPT 1113, Public Speaking I ..........3</td>
<td>Humanities/Fine Arts Elective.........3</td>
</tr>
<tr>
<td>**ATT 2913, Special Problems I ......3</td>
<td>Social/Behavioral Science Elective.....3</td>
</tr>
<tr>
<td>Total 18</td>
<td>Math/Science Elective ....................3/4</td>
</tr>
</tbody>
</table>

* Courses required for Career Certificate.
** Courses required for Technical Certificate.

All other courses listed are the framework for the Associate of Applied Science. Please note that students in the CAP program are required to complete an internship in the second and third semester.

Aviation Maintenance Technology (Major Code 6012)

Adviser: Cooper, Lindsey • Offered at DeSoto Center-Olive Branch only

Associate of Applied Science

The Aviation Maintenance Technology program offers an FAA-certified curriculum designed to prepare students for a career as aircraft, airframe and powerplant mechanics. Upon completion of the program, students must complete the required FAA certification examinations to receive the Associate of Applied Science degree.

Special Admissions Requirements: Admission forms for the Aviation Maintenance Technology Program may be obtained from Northwest/DeSoto Center, 5197 W.E. Ross Parkway, Southaven, MS, 38671. Admission forms must be sent to both the Registrar’s Office and to the Program Director, Aviation Maintenance Technology.

continued on next page
Admission requirements include:
1. Completed NWCC application for admission.
2. Completed Aviation Maintenance Program application.
4. Official copy of GED, high school or college transcript.
5. Interview with Aviation Program lead instructor.

The Aviation Maintenance Program has a maximum enrollment of 20 students per class as designated by the FAA. Notification of acceptance to the program must be from the Aviation Maintenance Technology Program Director. Applications for admission must be received by July 1.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>APT 1114, Aviation Applied Science</td>
<td>4</td>
</tr>
<tr>
<td>APT 1123, Aviation Electricity I</td>
<td>3</td>
</tr>
<tr>
<td>APT 1134, Materials and Processes</td>
<td>4</td>
</tr>
<tr>
<td>APT 1143, Aircraft Servicing and Weight and Balance</td>
<td>3</td>
</tr>
<tr>
<td>APT 1153, Maintenance Forms, Records and Regulations</td>
<td>3</td>
</tr>
<tr>
<td>APT 1162, Reciprocating Engine Theory</td>
<td>2</td>
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</tbody>
</table>

Total 19

Academic Core Requirements: To be taken in summer or evening school.
PSY 1513, Gen. Psychology | 3 |
ENG 1113, Eng. Comp. I | 3 |
Basic Computer Skills Elective | 3 |
MAT 1313, College Algebra | 3 |
SPT 1113, Public Speaking I | 3 |
Humanities/Fine Arts | 3 |

Total 18

SOPHOMORE YEAR

<table>
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<tr>
<th>Third Semester</th>
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<tbody>
<tr>
<td>APT 2115, Aviation Electricity II</td>
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<tr>
<td>APT 2123, Propellers &amp; Powerplant Review</td>
<td>6</td>
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<tr>
<td>APT 2136, Structures I</td>
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<td>APT 2144, Structures II</td>
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Total 18

<table>
<thead>
<tr>
<th>Fourth Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>APT 2212, Flight Control</td>
<td>2</td>
</tr>
<tr>
<td>APT 2223, Aviation Electricity III</td>
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<tr>
<td>APT 2232, Hydraulic &amp; Pneumatic Power Systems</td>
<td>2</td>
</tr>
<tr>
<td>APT 2243, Landing Gear &amp; Protection Systems</td>
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<tr>
<td>APT 2251, Environmental Control Systems</td>
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<td>APT 2264, Aircraft Instrumentation Systems</td>
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<td>APT 2271, Aircraft Fuel Systems</td>
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</tr>
<tr>
<td>APT 2282, Airframe Inspection &amp; Review</td>
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Total 18
Business and Marketing Management Technology
(Major Code 6045)
Adviser: Carroll • Offered at DeSoto Center-Southaven only
Associate of Applied Science

Business and Marketing Management Technology is a two-year business program designed to prepare students for careers in dynamic marketing professions. Any business, firm, or organization that offers products and/or services can only be competitive if it markets its products/services successfully. Specialized occupational training includes E-commerce marketing, international marketing, marketing entrepreneurship, management, advertising, salesmanship, and retail management.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
<td>3</td>
<td>MMT 2423, Retail Management</td>
<td>3</td>
</tr>
<tr>
<td>MMT 1113, Marketing I</td>
<td>3</td>
<td>Social/Behavioral Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>MMT 2513, Entrepreneurship</td>
<td>3</td>
<td>MMT 1123, Marketing II</td>
<td>3</td>
</tr>
<tr>
<td>MMT 1413, Merchandising Math</td>
<td>3</td>
<td>MMT 1323, Advertising</td>
<td>3</td>
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<tr>
<td>Basic Computer Skills Elective</td>
<td>3</td>
<td>Accounting Elective</td>
<td>3</td>
</tr>
<tr>
<td>SPT 1113, Public Speaking I</td>
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<td>MMT 1721, Marketing Seminar II</td>
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<td>MMT 1711, Marketing Seminar I</td>
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SOPHOMORE YEAR

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<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMT 1313, Salesmanship</td>
<td>3</td>
<td>MMT 2233, Human Resource Mgt</td>
<td>3</td>
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<td>MMT 2213, Management</td>
<td>3</td>
<td>MMT 2613, International Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MMT 2313, E-Commerce Marketing</td>
<td>3</td>
<td>BAD 2413, Legal Envir. of Bus. I</td>
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<tr>
<td>Math/Natural Science Elective</td>
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<td>Humanities Elective</td>
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<tr>
<td>Restricted Elective</td>
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<td>Restricted Elective</td>
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<td>MMT 1731, Marketing Seminar III</td>
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<td>MMT 1741, Marketing Seminar IV</td>
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<tr>
<td>Total</td>
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<td>16</td>
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</tbody>
</table>

Business and Office Technology

The Business and Office program includes a basic core of courses designed to prepare a student for a variety of entry-level positions through selection of a concentration of 67 to 70 semester credit hours in the following areas: Accounting Technology, Health-care Data Technology, Microcomputer Technology, and Office Systems Technology.

Business and Office is a two-year program of study which requires courses in the career-technical core, designated areas of concentration, and the academic core. The Associate of Applied Science degree is earned upon the successful completion of the Business and Office curriculum. Successful completion of the first year of this program entitles a student to receive an Office Assistant certificate.

continued on next page
Accounting Technology (Major Code 6005)
Adviser: D. Stevens • Offered at DeSoto Center-Southaven only

Associate of Applied Science

This curriculum is a two-year program designed to prepare individuals for employment opportunities in the accounting field. A student who has satisfactorily completed this program is eligible for the Associate of Applied Science degree.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 1433, Business Accounting</td>
<td>3</td>
<td>BOT 1443, Advanced Business Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BOT 1313, Applied Business Math</td>
<td>3</td>
<td>BOT 2813, Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BOT 1133, Microcomputer Appl.</td>
<td>3</td>
<td>BOT 1143, Word Processing</td>
<td>3</td>
</tr>
<tr>
<td>BOT 1113, Doc. Format &amp; Prod.</td>
<td>3</td>
<td>Written Communications Elective</td>
<td>3</td>
</tr>
<tr>
<td>BOT 1713, Mechanics of Communication</td>
<td>3</td>
<td>BOT 1813, Electronic Spreadsheet</td>
<td>3</td>
</tr>
<tr>
<td>BOT 1213, Personal &amp; Prof. Dev.</td>
<td>3</td>
<td>BOT 2413, Computerized Acct.</td>
<td>3</td>
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<td><strong>Total</strong></td>
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<td><strong>Total</strong></td>
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SOPHOMORE YEAR

<table>
<thead>
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<th>Third Semester</th>
<th>Semester Hours</th>
<th>Fourth Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 2133, Desktop Publishing</td>
<td>3</td>
<td>*Accounting Elective</td>
<td>3</td>
</tr>
<tr>
<td>BOT 2323, Database Management</td>
<td>3</td>
<td>BOT 2833, Integrated Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>Math/Natural Science Elective</td>
<td>3</td>
<td>Social/Behavioral Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>*Accounting Elective</td>
<td>3</td>
<td>Humanities/Fine Arts Elective</td>
<td>3</td>
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<tr>
<td>*Accounting Elective</td>
<td>3</td>
<td>Oral Communications Elective</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
<td>15</td>
<td><strong>Total</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

A student who has no keyboarding experience must complete BOT 1013 Keyboarding which does not count toward the total number of hours required to earn an Associate of Applied Science degree.

* The accounting electives will be chosen from Income Tax Accounting (BOT 2423), Payroll Accounting (BOT 2463), Supervised Work Experience (BOT 2913), or Cost Accounting (BOT 2473).

** Principles of Macroeconomics (ECO 2113) is strongly recommended for this elective.

*** Students must receive a grade of “C” or higher before progressing to Word Processing (BOT 1143).

Health-care Data Technology (Major Code 6079)
Advisers: Gavin, Rutledge, Sugg (DeSoto Center); Littrell, Logan, Russell, Buchanan (LYTC); Dandridge, Dickerson, Meurrier, Williamson (Senatobia) • Offered at Senatobia campus, DeSoto Center-Southaven, Lafayette-Yalobusha Technical Center (Oxford)

Associate of Applied Science • Major can be completed fully online

The Health-care Data Technology curriculum is a two-year program that provides training for those who wish to seek a business-related career within the medical profession; such as a hospital, a doctor's office, a clinic, an insurance company, a pharmacy, etc. After successfully completing this curriculum, the student will receive an Associate of Applied Science degree.
### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>*BOT 1613, Medical Office Terminology I ....................</td>
<td>3</td>
<td>BOT 1623, Medical Office Terminology II ..................</td>
<td>3</td>
</tr>
<tr>
<td>BOT 1413, Records Management ..</td>
<td>3</td>
<td>BOT 1143, Word Processing ..</td>
<td>3</td>
</tr>
<tr>
<td>**BOT 1113, Doc. Format. &amp; Prod. ..</td>
<td>3</td>
<td>BOT 1433, Business Accounting ..</td>
<td>3</td>
</tr>
<tr>
<td>BOT 1313, Applied Business Math ..</td>
<td>3</td>
<td>BOT 2813, Business Communication ..</td>
<td>3</td>
</tr>
<tr>
<td>BOT 1713, Mechanics of Communication ........................</td>
<td>3</td>
<td>BOT 2743, Medical Office Concepts ..</td>
<td>3</td>
</tr>
<tr>
<td>BOT 1133, Microcomputer Appl. ...</td>
<td>3</td>
<td>ENG 1113, Eng. Comp. I ....................</td>
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</tr>
<tr>
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</tr>
<tr>
<td>Total 18</td>
<td>Total</td>
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</tr>
</tbody>
</table>

A student who has no keyboarding experience must complete BOT 1013, Introduction to Keyboarding, which does not count toward the total number of hours required to earn an Associate of Applied Science degree.

* Students must receive a grade of “C” or higher before progressing to Medical Terminology II (BOT 1623).
** Students must receive a grade of “C” or higher before progressing to Word Processing (BOT 1143).
***BOT 1123, Keyboard Skillbuilding; BOT 2823, Communication Technology; BOT 1813, Electronic Spreadsheet; BOT 2673 Medical Insurance Billing; BOT 2323 Database Management

Note: Prior to enrollment in an elective obtain approval by your BOT adviser.

### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Third Semester</th>
<th>Semester Hours</th>
<th>Fourth Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>BOT 1513, Machine Transcription ..</td>
<td>3</td>
<td>BOT 2523, Medical Machine Trans ..</td>
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</tr>
<tr>
<td>BOT 2413, Computerized Accounting ..</td>
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<td>BOT 2753, Medical Info. Mgt. ..</td>
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<tr>
<td>SPT 1113, Public Speaking I ........</td>
<td>3</td>
<td>BOT 2663, Advanced Coding ..</td>
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<tr>
<td>BOT 2653, ICD Coding ........................</td>
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<td>***BOT Approved Elective ..........</td>
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<tr>
<td>Math/Natural Science Elective ..</td>
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<td>Social/Behavioral Science Elective ..</td>
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<tr>
<td>BOT 2643, CPT Coding  ....................</td>
<td>3</td>
<td>Humanities/Fine Arts Elective ..</td>
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<tr>
<td>Total 18/19</td>
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</tbody>
</table>

### Microcomputer Technology (Major Code 6009)

Advisers: Gavin, Rutledge, Sugg (DeSoto Center); Dandridge, Dickerson, Meurrier, Williamson (Senatobia)  •  Offered at Senatobia campus, DeSoto Center-Southaven

Associate of Applied Science  •  Major can be completed fully online

The Microcomputer Technology curriculum provides training in the management of microcomputer operations in an office including software configuration, troubleshooting, network administration, and system operation. After successfully completing this curriculum, the student will receive an Associate of Applied Science degree.

### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>*BOT 1113, Doc. Format. &amp; Prod ....</td>
<td>3</td>
<td>BOT 1143, Word Processing ..................</td>
<td>3</td>
</tr>
<tr>
<td>BOT 1213, Personal &amp; Prof. Dev. ........</td>
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<td>**Computer Elective ..................</td>
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</tr>
<tr>
<td>BOT 1313, Applied Business Math ....</td>
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<td>BOT 1433, Business Accounting ........</td>
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</tr>
<tr>
<td>BOT 1713, Mechanics of Comm ..........</td>
<td>3</td>
<td>BOT 2813, Business Comm. ..............</td>
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</tr>
<tr>
<td>Social/Behavioral Science Elective ....</td>
<td>3</td>
<td>BOT 1813, Electronic Spreadsheets ....</td>
<td>3</td>
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<tr>
<td>BOT 1133, Microcomputer Appl. ....</td>
<td>3</td>
<td>BOT 1123, Keyboard Skillbuilding ....</td>
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</tr>
<tr>
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<td>Total 18</td>
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### SOPHOMORE YEAR

<table>
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<tr>
<th>Third Semester</th>
<th>Semester Hours</th>
<th>Fourth Semester</th>
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</tr>
</thead>
<tbody>
<tr>
<td>BOT 2823, Communication Tech...........3</td>
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<td>BOT 2833, Integrated Computer Applications .........................3</td>
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<tr>
<td>BOT 2413, Computerized Accounting.......3</td>
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<td>**Computer Elective.........................................3</td>
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<tr>
<td>BOT 2133, Desktop Publishing .............3</td>
<td></td>
<td>Math/Natural Science Elective..................3/4</td>
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</tr>
<tr>
<td>BOT 2323, Database Management ..........3</td>
<td></td>
<td>SPT 1113, Public Speaking I .....................3</td>
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<tr>
<td>ENG 1113, English Comp. I .............3</td>
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<td>**Computer Elective........................3</td>
<td>Total 18</td>
<td>Total 15/16</td>
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</tbody>
</table>

A student who has no keyboarding experience must complete BOT 1013 Introduction to Keyboarding, which does not count toward the total number of hours required to earn an Associate of Applied Science degree.

* Students must receive a grade of “C” or higher before progressing to Word Processing (BOT 1143).

Prior to enrollment in Document Formatting and Production (BOT 1113), students will be required to key straight copy material at a minimum of 35 GWPM, on a five-minute timed writing, with a maximum of one error per minute. Students who do not demonstrate this level of proficiency will be required to enroll in Introduction to Keyboarding (BOT 1013).

** Computer Related Elective (CSC/CNT/NST/CPT/IST)—NOTE: Prior to enrollment in an elective obtain approval from your BOT adviser.

### Office Systems Technology (Major Code 6014)

Advisers: Rutledge, Gavin, Sugg (DeSoto Center); Littrell, Logan, Russell, Buchanan (LYTC); Dandridge, Dickerson, Meurrier, Williamson (Senatobia)

Offered at Senatobia campus, DeSoto Center-Southaven, Lafayette-Yalobusha Technical Center (Oxford)

**Associate of Applied Science • Major can be completed fully online**

The Office Systems Technology program is designed to prepare a student for a career as an administrative assistant. Upon successful completion of the required two-year curriculum, the student will receive an Associate of Applied Science degree.

### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>*BOT 1113, Doc. Format. &amp; Prod. ........3</td>
<td></td>
<td>BOT 1123, Keyboard Skillbuilding........3</td>
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<tr>
<td>BOT 1133, Microcomputer Appl. ........3</td>
<td></td>
<td>BOT 2813, Business Communication......3</td>
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<td>BOT 1413, Records Management............3</td>
<td></td>
<td>BOT 1143, Word Processing .............3</td>
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<td>BOT 1213, Personal &amp; Prof. Dev..........3</td>
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<td>BOT 1433, Business Accounting.........3</td>
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<tr>
<td>BOT 1313, Applied Business Math .......3</td>
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<td>BOT 1813, Electronic Spreadsheets ....3</td>
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<td>BOT 1713, Mechanics of Comm............3</td>
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<td>ENG 1113, Eng. Comp. I .................3</td>
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**Certificate Program Exit Point**

### SOPHOMORE YEAR

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<th>Third Semester</th>
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<tbody>
<tr>
<td>BOT 2413, Computerized Accounting........3</td>
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<td>BOT 2833, Integrated Computer Applications .........................3</td>
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<td>BOT 2323, Database Management ............3</td>
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<td>BOT 2723, Administrative Office Proc.3</td>
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<td>BOT 2133, Desktop Publishing .............3</td>
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<td>Social/Behavioral Science Elective ..........3</td>
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<td>Humanities/Fine Arts Elective ..........3</td>
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<td>SPT 1113, Public Speaking I .............3</td>
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<td>BOT 1513, Machine Transcription.........3</td>
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<td>BOT 2823, Communication Tech.............3</td>
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150 • Career-Technical Education
A student who has no keyboarding experience must complete BOT 1013 Introduction to Keyboarding, which does not count toward the total number of hours required to earn an Associate of Applied Science degree.

* Students must receive a grade of "C" or higher before progressing to Word Processing (BOT 1143).

Prior to enrollment in Document Formatting and Production (BOT 1113), students will be required to key straight copy material at a minimum of 35 GWPM, on a five-minute timed writing, with a maximum of one error per minute. Students who do not demonstrate this level of proficiency will be required to enroll in Introduction to Keyboarding (BOT 1013).

**Cardiovascular Technology (Major Code 6098)**

Advisers: Stanford-Means, R. Stevens • Offered at DeSoto Center-Southaven only

*Associate of Applied Science*

The Cardiovascular Technology program is designed to train students through didactic, laboratory, and clinical experiences for a career in invasive and non-invasive cardiology. After completion of the program, an invasive cardiovascular technologist (CVT) can work in a number of different areas in a hospital or physician’s office. Students will be trained to work in cardiac catheterization laboratories utilizing x-ray and monitoring equipment to perform sophisticated tests to determine the condition of a patient’s coronary arteries and heart. They will also be trained to work in a cardiology laboratory where electrodes, microphones, and ultrasound equipment are used to determine the condition of a patient’s heart without invasive procedures.

Admission to the Cardiovascular Technology Program is very competitive. If a student is removed or has voluntarily withdrawn from the CVT program for any reason, the student will be allowed once, and once only, to reapply to the program within a two-year period beginning from the date of having been removed or voluntary withdrawal from the CVT program. Re-application does not in any way imply readmission.

**Special Admissions Requirements:** Persons interested in enrolling in the Cardiovascular Technology Program must apply through the program director and will be notified by him regarding acceptance. Applicants must submit the NWCC admissions application to the Registrar’s Office and the program application to the program director. Admission to the college does not guarantee admission to the program. Because of limited enrollment, if the number of applicants exceeds the capacity, students will be selected on a competitive basis by an admissions committee.

Admission requirements include:
2. Completed NWCC application for admission.
3. Completed Cardiovascular Technology Program application.
5. Official copies of GED, high school, or college transcripts.

**Prerequisites**
BIO 2513, Anatomy & Physiology I
BIO 2511, Anatomy & Physiology I Lab

*continued on next page*
### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>PSY 1513, General Psychology</td>
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</tr>
<tr>
<td>BIO 2523, A &amp; P I</td>
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<tr>
<td>BIO 2521, A &amp; P I Lab</td>
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<tr>
<td>CVT 1113, Foundations of Cardiovascular Technology</td>
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<tr>
<td>MAT 1313, College Algebra</td>
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<td>Humanities/Fine Arts Elective</td>
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<tr>
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<td>CHE 1311, Prin. of Chem. Lab</td>
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<td>BOA 2613, Business Communications</td>
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<td>CVT 1214, Cardiovascular Anatomy and Physiology</td>
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<td>SPT 1113, Public Speaking I</td>
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**SUMMER TERM**

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<tbody>
<tr>
<td>BIO 2923, Microbiology</td>
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<tr>
<td>BIO 2921, Microbiology Lab</td>
</tr>
<tr>
<td>CVT 1312, Cardiovascular Pharmacology</td>
</tr>
<tr>
<td>CSC 1113, Computer Concepts</td>
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<td><strong>Total</strong></td>
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### SOPHOMORE YEAR

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<thead>
<tr>
<th>Third Semester</th>
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<tbody>
<tr>
<td>CVT 2413, Invasive Cardiology</td>
<td>3</td>
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<tr>
<td>CVT 2613, Non-Invasive Cardiology</td>
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<tr>
<td>CVT 2718, Cardiovascular Clinical</td>
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<table>
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<th>Fourth Semester</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>CVT 2423, Invasive Cardiology</td>
<td>3</td>
</tr>
<tr>
<td>CVT 2623, Non-Invasive Cardiology</td>
<td>3</td>
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<tr>
<td>CVT 2512, Critical Care Applications</td>
<td>2</td>
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<tr>
<td>CVT 2727, Cardio. Clinical</td>
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<td><strong>Total</strong></td>
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**SUMMER TERM**

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<thead>
<tr>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>CVT 2736, Cardiovascular Clinical III</td>
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<tr>
<td><strong>Total</strong></td>
</tr>
</tbody>
</table>

**Total Semester Hours: 77**

### Civil Engineering Technology (Major Code 6030)

Adviser: T. Watson • Offered at Senatobia campus only

**Associate of Applied Science**

This program prepares a person for entry-level positions in the civil engineering field. The curriculum includes surveying, principles of road construction, and general construction practices.

The graduate is prepared to work with the surveyor or the civil engineer in the performance of general engineering practices which may include design; drawing and interpreting working drawings; determining equipment, materials and labor required to complete a project; and performing various tests required for construction. Up-to-date equipment usage is stressed, including the surveying computer and electronic distance measuring devices.

A minimum of 64 semester credit hours is required to receive an Associate of Applied Science in civil technology. Students who complete a minimum of 32 semester credit hours in the program may be eligible to receive a certificate in civil technology.
FRESHMAN YEAR

First Semester  | Semester Hours
DDT 1114, Fund. of Drafting | 4
DDT/CIT 1413, Elem. Surveying | 3
CIT 1213, Road Design and Const. Methods and Materials | 3
MAT 1233, Intermediate Algebra or Science Elective | 3
Technical Elective | 3
Total | 16

Second Semester  | Semester Hours
CIT 1114, Route Surveying | 4
CIT 1223, Road Construction Plans and Specifications | 3
MAT 1313, College Algebra | 3
ENG 1113, Eng. Comp. I | 3
DDT 1313, Principles of CAD | 3
Total | 16

Certificate Program Exit Point

SOPHOMORE YEAR

Third Semester  | Semester Hours
CIT 2434, Land Surveying Lab | 4
CIT 2113, Legal Principles of Surveying | 3
SPT 1113, Public Speaking I | 3
Technical Elective | 3
Social/Behavioral Science Elective | 3
Total | 16

Fourth Semester  | Semester Hours
CIT 2444, GPS/GIS Surveying | 4
DDT/CIT 2423, Mapping and Topo | 3
Technical Electives | 6
Humanities/Fine Arts Elective | 3
Total | 16

Technical Electives:
CIT 2124, Advanced Surveying Practices
CIT 2413, Concrete and Hot Mix Asphalt Testing
CIT 292 (1-6), Work-Based Learning in Civil Engineering Technology
BOT 1213, Personal & Professional Development
CIT 291 (1-3), Special Projects
LET 2453, Real Property I
GIT 2123, Fundamentals of GIS

Early Childhood Education Technology (Major Code 6025)
Advisers: Barham, Camp • Offered at Senatobia campus only

Associate of Applied Science

This program is designed to prepare personnel for employment in day care centers, schools, nursery schools, and federally funded programs for young children. Those persons who successfully complete the two year program will earn the Associate of Applied Science degree. Career opportunities include: child care services manager, preschool teacher, teacher assistant, child care giver, family day care provider, nanny professional, foster care parent, after school care giver.

FRESHMAN YEAR

First Semester  | Semester Hours
CDT 1113, Early Child. Profession | 3
*CDT 1713, Lang. & Literacy Dev | 3
CIT 1214, Child Development I | 4
CDT 1343, Child Health & Safety | 3
ENG 1113, English Comp. I | 3
Total | 16

Second Semester  | Semester Hours
CDT 1224, Child Development II | 4
*CDT 1314, Creat. Arts for Yng. Ch | 4
CDT 1513, Nutrition for Yng. Ch | 3
Basic Computer Skills Elective | 3
Fine Arts/Humanities Elective | 3
Total | 17

continued on next page
**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>Third Semester</th>
<th>Semester Hours</th>
<th>Fourth Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDT 2413, Atypical Child Dev.</td>
<td>3</td>
<td>CDT 2233, Guid. Soc. &amp; Em. Beh.</td>
<td>3</td>
</tr>
<tr>
<td><strong>CDT 2613, Methods/Materials</strong></td>
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<td>CDT 2714, SS/Math/Sci. for Y.C.</td>
<td>4</td>
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<tr>
<td>CDT 2915, Student Teaching I</td>
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<td>CDT 2813, Admin. of Prog. for Y.C.</td>
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<tr>
<td>Math/Nat. Sci./Lab</td>
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<td>CDT 2925, Student Teaching II</td>
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<td>SPT 1113, Public Speaking I</td>
<td>3</td>
<td>Social/Beh. Science Elective</td>
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<tr>
<td><strong>Total</strong></td>
<td>17/18</td>
<td><strong>Total</strong></td>
<td>18</td>
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* Prerequisites to CDT 2613, CDT 2915 or CDT 2925 (must earn a 'C' or better)

**Emergency Medical Technology—Paramedic**
(Major Code 6070)

Advisers: Briscoe, Kuchta • Offered at Senatobia campus only

*Associate of Applied Science*

Paramedics have fulfilled prescribed requirements by a credentialing agency to practice the art and science of out-of-hospital medicine in conjunction with medical direction. Through performance of assessments and providing medical care, their goal is to prevent and reduce mortality and morbidity due to illness and injury. Paramedics primarily provide care to emergency patients in an out-of-hospital setting. Paramedics possess the knowledge, skills, and attitudes consistent with the expectations of the public and the profession. Paramedics recognize that they are an essential component of the continuum of care and serve as linkages among health resources.

**Special admissions requirements:** Special admission requirements include limited enrollment, specific program application, and other stipulations.

**Application for admission to Northwest Mississippi Community College with required high school and college transcript(s) and ACT scores must be sent to the Senatobia campus.**

Any interested person should contact: David Kuchta, Program Director, at (662) 562-3986 or Delores Jennings, Career-Technical Office, at (662) 562-3361. Students who wish to enter the Emergency Medical Technology-Paramedic Program must:

1. Have a valid EMT-Basic state certification.
2. Grade point average of “C” or better in Anatomy and Physiology I with lab (BIO 2513 BIO 2511).
3. Be 18 years of age or older with a high school diploma or GED.
4. Have an ACT composite score of 18 or better or TABE score of 12 or better.

Classroom instruction is comprehensive including a working knowledge of all anatomy, physiology, and pathophysiological processes as well as competency-based instruction in assessment and management skills required for treatment of life-threatening problems in the adult, pediatric, and geriatric patient. Clinical internship requires participation in care of patients in a hospital emergency department that provides medical control to ALS providers in the field and, according to availability, CCU, ICU, labor and delivery suite, operating room, psychiatric ward, pediatric ward, and geriatric ward. Field internship is done with an ambulance service and/or rescue service providing advanced life support services to the community. Students need to maintain a “C” average in all classes in order to continue the Paramedic program the following semester.

A student successfully completing the program will receive an associate degree from the college and be eligible to take National Registry’s Exam as an EMT-Paramedic.

This training program is sanctioned by the Mississippi State Board of Health, Division of EMS, the State Department of Education, and the Committee on Accred-
tation of Educational Programs for the EMS Professions. The program meets or exceeds those standards established by the National Highway Traffic Safety Administration/U.S. Department of Transportation.

The curriculum of the Paramedic Program is for four semesters in length and classes are admitted each fall and spring semester requiring a minimum of 1,500 hours of classroom instruction, clinical, and field internship.

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>EMS 1122, Intro. to EMS Systems ........2</td>
<td>EMS 1825, Cardiology .........................5</td>
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<td>EMS 1614, Pharmacology .........................4</td>
<td>EMS 1314, Airway Mgmt. .........................4</td>
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<td>EMS 1414, Patient Assessment ................4</td>
<td>EMS 2714, Trauma .........................4</td>
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<tr>
<td>EMS 1513, EMS Practicum I .........................3</td>
<td>EMS 1525, EMS Practicum II .........................5</td>
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<td>ENG 1113, English Comp. I .........................3</td>
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<td>BI 1521, A&amp;P II Lab ..............................1</td>
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**SOPHOMORE YEAR**

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<th>Semester Hours</th>
<th>Fourth Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>EMS 1422, Special Patient Pops ........2</td>
<td>EMS 2855, Medical .........................5</td>
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<tr>
<td>EMS 2414, New Mat./Child Emerg. ........4</td>
<td>EMS 2912, EMS Operations .........................2</td>
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<td>SPT 1113, Public Speaking I ...............3</td>
<td>EMS 2555, EMS Practicum III .........................5</td>
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<td>Basic Computer Skills Elective ..........3</td>
<td>PSY 1513, Gen. Psychology .........................3</td>
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<td>Fine Arts/Humanities Elective ..........3</td>
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<td>Total 12</td>
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**Emergency Medical Technology–Basic (Major Code 6071)**

Advisers: Briscoe, Kuchta • Offered at Senatobia campus only

*Career Certificate*

Emergency Medical Technology–Basic is an instructional program that prepares individuals to function in the pre-hospital environment. The EMT-Basic program provides instruction in basic life support care of sick and injured persons. This includes: airway assessment, communications, documentation, general pharmacology, hemorrhage control, ambulance operations, and splinting of adult, pediatric and infant patients; and special care of patients exposed to heat, cold, radiation or contagious disease.

Special admissions requirements and financial aid notes: Application for admission to Northwest Mississippi Community College with required high school and college transcript(s) and ACT scores must be sent to the Senatobia campus. Any interested person should contact: David Kuchta, Program Director, at (662) 562-3986 or Delores Jennings, Career-Technical Office, at (662) 562-3361. Students who wish to enter the Emergency Medical Technology-Basic must:

1. Be 18 years of age or older with a high school diploma or GED.
2. Have an ACT composite score of 18 or better or TABE score of 12 or better.

NOTE: This program is not eligible for a Pell Grant; however a Direct Loan (student loan) can be used to cover the cost of this program as long as the student's major is EMT/Paramedic. VA Education Benefits can also be used to cover the cost for eligible veterans/service members.

<table>
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<tr>
<th>One Semester</th>
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<tbody>
<tr>
<td>EMS 1118, EMT ........................................8</td>
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</table>
Funeral Service Technology (Major Code 6085)

Program Director: Anderson  •  Adviser: Hopper  •  Offered at DeSoto Center-Southaven only

Associate of Applied Science

The Funeral Service Technology program offers a curriculum leading to an Associate of Applied Science degree in Funeral Service Technology. The Associate of Applied Science degree in Funeral Service Technology at Northwest Mississippi Community College is accredited by the American Board of Funeral Service Education (ABFSE), 3414 Ashland Avenue, Suite G, St. Joseph, Mo. 64506: Telephone number (816) 233-3747; website www.abfse.org.

Special admissions requirements: As applications and supporting documents are submitted, an applicant review will be conducted by an admissions committee. Applicants meeting all of the minimum requirements may be selected into the new class. Each class has a limited enrollment, and selection is made on a competitive basis. Admission to the college does not guarantee admission into the Funeral Service Technology program.

Specific minimum admission requirements include:

1. Two applications:
   A. Application for admission to Northwest Mississippi Community College with required high school and college transcript(s) and ACT scores (to be sent to the Senatobia campus).
   B. Application to the Funeral Service Technology program, ACT scores, and college transcripts (to be sent to Larry Anderson, program director, Funeral Service Technology Department, Northwest Mississippi Community College/DeSoto Center, 5197 W.E. Ross Parkway, Southaven, MS, 38671).

2. The American College Test (ACT) is required for admittance:
   A. Composite score of 18.
   B. Applicants with less than a composite score of 18 should retake the ACT. (Contact the College for exam dates.)
   C. ACT requirements are waived for applicants who hold a bachelor’s degree or higher. (ACT scores are still required.)

3. To transfer from another Funeral Service Technology program, applicants must meet the specific admission requirements as well as:
   A. Be in good standing and be eligible to return to their previous school.
   B. Provide a statement explaining reasons for transferring to Northwest Mississippi Community College.
   C. A grade of “C” or better is required for transfer subjects and must be comparable to those offered at NWCC. (Catalog descriptions are required on transfer subjects.)
   D. All courses included in the Comprehensive Review Course or the Conference of Funeral Service Examining Board (NBE) will not be excepted if they have not been taken within the past two years. (FST, Accounting, and Chemistry)
   E. See Transfer Credit requirements on page 34 of this Bulletin for graduation requirements.

4. Deadline:
   A. Applications and supporting documents for the Fall Semester (August) must be received by July 1 and for the Spring Semester (January) must be received by December 1.
B. Applicants will be accepted and notified when all of the minimum requirements have been met and approved.

Readmission requirements:
1. All students applying for readmission will be reviewed by a Funeral Service admissions committee.
2. Students that are enrolled in the Funeral Service Technology program, but miss one full semester(s) must reapply for admission.
3. Students who have been out of the Funeral Service Technology program for a period of two (2) years or more must repeat all FST courses along with accounting and chemistry.

All Funeral Service Technology students must take the National Board Exam (NBE) as a requirement for graduation.
The annual passage rate of first-time takers on the National Board Examination (NBE) for the most recent three-year period for this institution and all ABFSE accredited funeral service education programs is posted on the ABFSE website (www.abfse.org).

Designed to prepare students for immediate employment as funeral directors and embalmers, the program offers funeral service education for this unique and highly personalized profession.
The aims and objectives of the Funeral Service Technology program are:

**Funeral Service Aims**
As a program in funeral service education, our central aim is to recognize the importance of funeral service education personnel as:
1. Members of a human services profession;
2. Members of the community in which they serve;
3. Participants in the relationship between bereaved families and those engaged in the funeral service profession;
4. Professionals knowledgeable of and compliant with federal, state, provincial/territorial, and local regulatory guidelines in the geographic area where they practice as well as;
5. Professionals sensitive to the responsibility for public health, safety, and welfare in caring for human remains.

**Funeral Service Objectives**
1. To enlarge the background and knowledge of students about the funeral service profession;
2. To educate students in every phase of funeral service and to help enable them to develop proficiency and skills necessary for the profession, as defined in the Preamble of chapter nine of the ABFSE Accreditation Manual;
3. To educate students concerning the responsibilities of the funeral service profession to the community at large;
4. To emphasize high standards of ethical conduct;
5. To provide a curriculum at the post-secondary level of instruction; and
6. To encourage student and faculty research in the field of funeral service.

Recognizing the importance of the care of the bereaved, the department has designed a curriculum not only to educate the student in the care of the deceased, but
also in the care of the living. To meet this need, classes are offered in funeral directing, funeral home management, sociology, grief, and death related psychology.

**Grading System for Funeral Service Technology Only**

<table>
<thead>
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<th>Grade</th>
<th>Range</th>
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<tbody>
<tr>
<td>A</td>
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<td>B</td>
<td>93 to 85</td>
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<tr>
<td>C</td>
<td>84 to 75</td>
</tr>
<tr>
<td>F</td>
<td>Below 75</td>
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</tbody>
</table>

Note: Academic courses, such as accounting and chemistry, that will be tested by the Conference of Funeral Service Examining Boards must have a grade of “C” or better to be accepted.

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>First Semester Semester Hours</th>
<th>Second Semester Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I ..........3</td>
<td>FST 1224, Embalming II ..........4</td>
</tr>
<tr>
<td>FST 1523, Restorative Art .......3</td>
<td>FST 1123, Mortuary Anatomy II ..3</td>
</tr>
<tr>
<td>FST 1113, Mortuary Anatomy ......3</td>
<td>FST 2323, Funeral Merchandising ..3</td>
</tr>
<tr>
<td>FST 1213, Intro. to Embalming ...3</td>
<td>BOT 1313, Applied Business Math ..3</td>
</tr>
<tr>
<td>FST 1313, Funeral Directing ......3</td>
<td>FST 2633, Pathology ..............3</td>
</tr>
<tr>
<td>MMT 2513, Entrepreneurship ......3</td>
<td>Basic Computer Skills Elective ...3</td>
</tr>
<tr>
<td><strong>Total 18</strong></td>
<td><strong>Total 19</strong></td>
</tr>
</tbody>
</table>

**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>Third Sem. (Summer I) Sem. Hours</th>
<th>Fourth Sem. (Fall) Sem. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FST 1413, Funeral Service Ethics and Law ..................3</td>
<td>SPT 1113, Public Speaking I .......3</td>
</tr>
<tr>
<td>FST 2623, Microbiology ............3</td>
<td>BOT 2813/BOA 2613, Bus. Comm. ...3</td>
</tr>
<tr>
<td><strong>Total 6</strong></td>
<td><strong>Total 18</strong></td>
</tr>
</tbody>
</table>

| (Summer II) Sem. Hours | | |
|-----------------------|-------------------|
| BOT 1433, Bus. Accounting ..........3 | PSY 1513, Gen. Psychology ..............3 |
| FST 2713, Psychosocial Asp. of Grief ..3 | ENG 1123, English Comp. II ..............3 |
| **Total 6** | **Total 18** |

**Total Required Semester Hours 67**

**Graphic Design Technology (Major Code 6035)**

Adviser: Rice • Offered at Senatobia campus only

**Associate of Applied Science**

The Graphic Design Technology Department educates the student in the art of visual communication, emphasizing the professional practice of design. Students combine digital technology with aesthetics in the production of typography, signage, publications, identity systems, packaging, design, and other forms of communication including web design. The Graphic Designer combines concepts and facts from the humanities, social sciences and technology while utilizing critical design methodologies in visual problem solving. Upon successful completion of this 66-hour program, an Associate of Applied Science degree is awarded. No major may advance to a higher course in his or her area of studio emphasis (Graphic Design) without earning a grade of “C” or higher in the lower division courses. Periodic portfolio reviews determine placement and progression in the program.
Special admissions requirements: Students who wish to enter the Graphic Design Technology program must have an ACT composite score of 16 or better or equivalent on the TABE for admittance into the program.

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAT 1143, Typography</td>
<td>3</td>
<td>CAT 2133, Graphic Design Studio</td>
<td>3</td>
</tr>
<tr>
<td>CAT 1213, Fund. of Graphic Comp.</td>
<td>3</td>
<td>CAT 2323, Advanced Advertising</td>
<td>3</td>
</tr>
<tr>
<td>CAT 2313, Basic Advertising Design</td>
<td>3</td>
<td>CAT 2334, Prac. Adv. Techniques</td>
<td>4</td>
</tr>
<tr>
<td>CAT 1113, Production I</td>
<td>3</td>
<td>CAT 1123, Production II</td>
<td>3</td>
</tr>
<tr>
<td>*WDT 1123, Web Development</td>
<td>3</td>
<td>*WDT 2723, eCommerce/Int. Mgmt.</td>
<td></td>
</tr>
</tbody>
</table>

Total 15 Total 16

**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1433, Design I</td>
<td>3</td>
<td>Social/Beh. Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>ART 1313, Drawing I</td>
<td>3</td>
<td>SPT 1113, Public Speaking I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 1113, English Comp. I</td>
<td>3</td>
<td>ART 1443, Design II</td>
<td>3</td>
</tr>
<tr>
<td>MAT 1313, College Algebra</td>
<td>3</td>
<td>ART 1323, Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>*WDT 1314, Client Side Prog.</td>
<td>4</td>
<td>Humanities/Fine Arts Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*WDT 1414, Web Design App.</td>
<td>4</td>
</tr>
</tbody>
</table>

Total 16 Total 19

* Elective

Electives:
- CAT 291(1-6), Special Project in Graphic Design Technology
- CAT 292(1-6), Supervised Work Experience in Graphic Design Technology
- CAT 200(1-6), Seminar and Planning in Graphic Design Technology
- WBL 191(1-3), WBL 192(1-3), WBL 193(1-3), Work-Based Learning I, II, III
- WBL 291(1-3), WBL 292(1-3), WBL 293(1-3), Work-Based Learning IV, V, VI

**Heating, Air Conditioning and Refrigeration Technology**

(Major Code 8015)

Advisers: Buchanan, Perry • Offered at Senatobia campus only

Associate of Applied Science

Heating, Air Conditioning and Refrigeration Technology is a postsecondary instructional program that prepares individuals to work in engineering departments or private firms installing, maintaining, and operating small or medium air conditioning, heating, and refrigeration systems. Instruction prepares individuals to work in a commercial or residential setting performing special tasks relating to designing ductwork, assembling, installing, servicing, operating and maintaining heating and cooling systems according to the standards of the American Society of Heating, Refrigeration, and Air Conditioning Engineers Inc., Air Conditioning Contractors of America, and AHRI (Air Conditioning, Heating, and Refrigeration Institute). Included are air conditioning, heating, and refrigeration devices; equipment, techniques, and systems; and maintenance and operation of these systems. An Associate of Applied Science degree (66 hours) is awarded upon completion of the program. A two-year Career Certificate Program, which requires 54 semester credit hours, is also available. All students acquiring a degree must obtain universal EPA certification prior to graduation. All students acquiring a certificate must obtain Type I and II EPA certifica-

continued on next page
tion. Both programs are designed to produce an entry-level technician. Admission is on a competitive basis and students are only admitted in the fall semester.

**Special admissions requirements:** Students who wish to enter the Heating, Air Conditioning and Refrigeration Technology program should contact an adviser. Students should understand that entrance is by way of an Admissions Committee. The committee has the responsibility of screening qualified program applicants who have submitted any of necessary records and credentials prior to the semester of entrance. Students must provide their own tools. Please see adviser to get a current tool list.

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACT 1124, Basic Compression Refrigeration*</td>
<td>4</td>
<td>ACT 1314, Refrigeration System Components*</td>
<td>4</td>
</tr>
<tr>
<td>ACT 1713, Electricity for Heating, Ventilation, Air Conditioning, &amp; Refrigeration*</td>
<td>3</td>
<td>ACT 1813, Professional Service Procedures*</td>
<td>3</td>
</tr>
<tr>
<td>ACT 1133, Tools &amp; Piping*</td>
<td>3</td>
<td>ACT 1213, Controls*</td>
<td>3</td>
</tr>
<tr>
<td>Academic Elective</td>
<td>3</td>
<td>Academic Elective</td>
<td>3</td>
</tr>
<tr>
<td>ACT 2913, Special Proj. in HVAC*</td>
<td>3</td>
<td>Approved Elective*</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
<td>Total</td>
<td>19</td>
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</tbody>
</table>

Students must pass with a “C” all ACT coursework prior to entering the following semester. CORE and Type I EPA certification must be passed before entering sophomore-level classes.

**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACT 2414, Air Conditioning I*</td>
<td>4</td>
<td>ACT 2424, Air Conditioning II*</td>
<td>4</td>
</tr>
<tr>
<td>ACT 2513, Heating Systems*</td>
<td>3</td>
<td>ACT 2324, Commercial Refrig.**</td>
<td>4</td>
</tr>
<tr>
<td>ACT 2624, Heat Load &amp; Air Prop.*</td>
<td>4</td>
<td>ACT 2433, Refrigerant, Retrofit, and Regulations*</td>
<td>3</td>
</tr>
<tr>
<td>Academic Elective</td>
<td>3</td>
<td>Academic Elective</td>
<td>3</td>
</tr>
<tr>
<td>Computer/Approved Elective*</td>
<td>3</td>
<td>Instructor Approved Elective*</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>17</td>
<td>Total</td>
<td>17</td>
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</tbody>
</table>

* Classes required for a Career Certificate

**Hotel and Restaurant Management Technology**

(Major Code 6065)

Adviser: Mistilis  •  Offered at DeSoto Center-Southaven only

**Associate of Applied Science**

The curriculum of the Hotel and Restaurant Management program offers preparation for careers as managers in the hospitality industry. A combination of classwork and practical experience is stressed. Completion of the two-year program leads to an Associate of Applied Science degree.
### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRT 1123, Hospitality &amp; Tourism Industry</td>
<td>3</td>
<td>HRT 1413, Rooms Division Mgt.</td>
<td>3</td>
</tr>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
<td>3</td>
<td>HRT 1224, Rest. &amp; Catering Op.</td>
<td>4</td>
</tr>
<tr>
<td>HRT 1114, Culinary Principles I</td>
<td>4</td>
<td>HRT 1833, Travel &amp; Tourism Geography</td>
<td>3</td>
</tr>
<tr>
<td>HRT 1213, Sanitation &amp; Safety</td>
<td>3</td>
<td>Social/Behavioral Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>HRT 1511, Hospitality Seminar</td>
<td>1</td>
<td>HRT 1511, Hospitality Seminar</td>
<td>1</td>
</tr>
<tr>
<td>BOT 1313, Applied Business Math</td>
<td>3</td>
<td>Basic Computer Skills Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
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</tbody>
</table>

### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Third Semester</th>
<th>Semester Hours</th>
<th>Fourth Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math/Science Elective</td>
<td>3/4</td>
<td>HRT 2913, Supervised Work Exp. in Hotel &amp; Rest. Mgt.</td>
<td>4</td>
</tr>
<tr>
<td>Humanities/Fine Arts Elective</td>
<td>3</td>
<td>HRT 2623, Hospitality Management</td>
<td>3</td>
</tr>
<tr>
<td>HRT 2613, Hospitality Supervision</td>
<td>3</td>
<td>HRT 2233, Food &amp; Beverage Control</td>
<td>3</td>
</tr>
<tr>
<td>HRT 2323, Hospitality Fac. Mgmt.</td>
<td>3</td>
<td>SPT 1113, Public Speaking I</td>
<td>3</td>
</tr>
<tr>
<td>HRT Elective</td>
<td>3</td>
<td>HRT Elective</td>
<td>3</td>
</tr>
<tr>
<td>HRT 1511, Hospitality Seminar</td>
<td>1</td>
<td>HRT 1511, Hospitality Seminar</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16/17</strong></td>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>


### Industrial Electronics Engineering Technology

(Major Code 6056)

Advisers: Clark, Creecy • Offered at Senatobia campus only

**Associate of Applied Science**

The Industrial Electronics Engineering Technology program is designed to prepare graduates for a career in the installation, maintenance, testing, and repair of industrial electrical and electronic equipment and systems.

This program introduces the fundamentals of electricity, electronics, digital techniques, electrical power distribution, motor controls, fluid systems controls, programmable logic controllers, and instrumentation.

Graduates will possess the skills necessary to enter the workforce as technicians in the field of telephone service, industrial electronics and electrical servicing, PLC and process control, industrial automation, power distribution, and as general electronic technicians.

Upon satisfactory completion of this curriculum, an Associate of Applied Science degree is awarded. Students who complete a minimum of 36 semester hours in Industrial Electronics Engineering Technology courses may earn a Certificate in Industrial Electronics Engineering.

**Special admissions requirements:** Students who wish to enter the Industrial Electronics Engineering Technology Program should contact an adviser. Students should understand that entrance is by way of an Admissions Committee. The committee has the responsibility of screening qualified program applicants who have submitted any of necessary records and credentials prior to the semester of entrance. Students must provide their own tools.

*continued on next page*
### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>EET 1114, DC Circuits</em>*</td>
<td>4</td>
</tr>
<tr>
<td><em>EET 1123, AC Circuits</em>*</td>
<td>3</td>
</tr>
<tr>
<td>EET 1214, Digital Electronics</td>
<td>4</td>
</tr>
<tr>
<td>ENG 1113, Eng. Comp. I</td>
<td></td>
</tr>
<tr>
<td>*IMM 1213, Mech. Components</td>
<td>3</td>
</tr>
<tr>
<td>**Total 17</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>*EET 1334, Solid State Devices</td>
<td>4</td>
</tr>
<tr>
<td>*EET 1343, Motor Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>*EET 1133, Electrical Power</td>
<td></td>
</tr>
<tr>
<td>CSC 1113, Computer Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MAT 1313, College Algebra</td>
<td></td>
</tr>
<tr>
<td>**Total 16</td>
<td></td>
</tr>
</tbody>
</table>

Students must pass with a "C" all EET/ELT/IMM coursework prior to progressing to the next semester.

* Courses required for career certification in industrial electronics.

** Corequisites

### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Third Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Computer Skills Elective</td>
<td>3</td>
</tr>
<tr>
<td>EET 1163, Motor Maintenance</td>
<td>3</td>
</tr>
<tr>
<td>*EET 2363, Prog. Logic Controllers</td>
<td>3</td>
</tr>
<tr>
<td>Humanities/Fine Arts Elective</td>
<td>3</td>
</tr>
<tr>
<td>Technical Elective</td>
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<td>**Total 15</td>
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</table>

<table>
<thead>
<tr>
<th>Fourth Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>*EET 1154, Equip. Maintenance</td>
<td>4</td>
</tr>
<tr>
<td>EET 2354, Solid State Motor Ctrl</td>
<td>4</td>
</tr>
<tr>
<td>SPT 1113, Public Speaking I</td>
<td></td>
</tr>
<tr>
<td>Social/Behavioral Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Technical Elective</td>
<td></td>
</tr>
<tr>
<td>**Total 17</td>
<td></td>
</tr>
</tbody>
</table>

### Information Systems Technology

Advisers: Allen, Cleveland • Offered at Senatobia campus only

**Associate of Applied Science**

The Information Systems Technology program includes a basic core of courses designed to prepare the student for a variety of entry-level positions through selection of a concentration of courses in either Computer Networking or Computer Programming. The curriculum is designed to give each student a broad overview of information systems, exposure to career options available within the field and a concentration of skills in a specific area. Upon successful completion of the program, graduates earn the Associate of Applied Science degree.

The **Computer Networking Technology** option offers training in network technologies, administration, maintenance, operating systems, network planning, and network implementation. Computer Networking graduates will have opportunities for employment as computer support specialists, network technicians, and network managers or administrators.

The **Computer Programming Technology** option offers training in the design of coding and testing of applications using a variety of programming languages, database manipulation, web design, and basic operating system functions. Opportunities for graduates with expertise in computer programming include employment in the fields of health care, manufacturing, and telecommunications.

### COMPUTER NETWORKING TECHNOLOGY (Major Code 6038)

#### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 1113, English Comp. I</td>
<td>3</td>
</tr>
<tr>
<td>IST 1143, Security Prin./Policies</td>
<td>3</td>
</tr>
<tr>
<td>IST 1123, IT Foundations</td>
<td>3</td>
</tr>
<tr>
<td>MAT 1313, College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>IST 1133, Fund. of Data Comm</td>
<td>3</td>
</tr>
<tr>
<td>CPT 1143, Prog. Dev. Concepts</td>
<td>3</td>
</tr>
<tr>
<td>**Total 18</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IST 1314, Visual BASIC Prog</td>
<td>4</td>
</tr>
<tr>
<td>IST 1244, Network Admin. MS Win.</td>
<td>4</td>
</tr>
<tr>
<td>IST 1223, Network Components</td>
<td>3</td>
</tr>
<tr>
<td>IST 1163, Concepts of Database Des.</td>
<td>3</td>
</tr>
<tr>
<td>Social/Behavioral Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>**Total 17</td>
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</tr>
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</table>

162  •  Career-Technical Education
### Sophomore Year

<table>
<thead>
<tr>
<th>Third Semester</th>
<th>Semester Hours</th>
<th>Fourth Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IST 2254, Adv. Network Admin.</td>
<td></td>
<td>SPT 1113, Public Speaking I</td>
<td>3</td>
</tr>
<tr>
<td>Using MS Windows Server</td>
<td>4</td>
<td>IST 2234, Network Implementation</td>
<td>4</td>
</tr>
<tr>
<td>WDT 1124, Web Dev. Concepts</td>
<td>4</td>
<td>Technical Elective</td>
<td>3/4</td>
</tr>
<tr>
<td>IST 2374, &quot;C&quot; Programming</td>
<td>4</td>
<td>Humanities/Fine Arts Elective/</td>
<td></td>
</tr>
<tr>
<td>IST 2224, Network Planning/Desi</td>
<td>4</td>
<td>ENG 1123, English Comp. II</td>
<td>3</td>
</tr>
<tr>
<td>Technical Elelctive</td>
<td>3/4</td>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>19/20</td>
<td>Total</td>
<td>16/17</td>
</tr>
</tbody>
</table>

Students who lack entry-level skills in math, English, science, etc. will be provided related studies.

Programming/Networking/Technical electives may be any CPT, CNT, WDT, IST class or any other class as approved by the adviser.

If a student is placed in two or more developmental classes then the student can enroll only in CPT 1323, CPT 1143 and IST 1133 and must make at least a “C” before proceeding to the next level of classes. Additionally, the student must be enrolled in a Math class each semester until College Algebra has been completed with at least a “C”. A student must make at least a “C” in each of the major classes in order to proceed to the next level.

### Computer Programming Technology (Major Code 6041)

### Freshman Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPT 1143, Prog. Dev. Concepts</td>
<td>3</td>
<td>IST 1314, Visual Basic Prog.</td>
<td>4</td>
</tr>
<tr>
<td>IST 1133, Fund. of Data Comm.</td>
<td>3</td>
<td>IST 1143, Security Prin./Policies</td>
<td>3</td>
</tr>
<tr>
<td>ENG 1113, English Comp. I</td>
<td>3</td>
<td>IST 1163, Con. of Database Design</td>
<td>3</td>
</tr>
<tr>
<td>IST 1123, IT Foundations</td>
<td>3</td>
<td>ACC 1213, Prin. of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 1313, College Algebra</td>
<td>3</td>
<td>Social/Behavioral Science Elective</td>
<td></td>
</tr>
<tr>
<td>CPT 1323, Survey of Micro. Apps.</td>
<td>3</td>
<td>Total</td>
<td>16</td>
</tr>
<tr>
<td>Total</td>
<td>18</td>
<td>Total</td>
<td>16</td>
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</table>

### Sophomore Year

<table>
<thead>
<tr>
<th>Third Semester</th>
<th>Semester Hours</th>
<th>Fourth Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IST 2334, Advanced Visual Basic</td>
<td>4</td>
<td>SPT 1113, Public Speaking I</td>
<td>3</td>
</tr>
<tr>
<td>IST 2374, C Programming</td>
<td>4</td>
<td>IST 1714, Java Prog. Language</td>
<td>4</td>
</tr>
<tr>
<td>ACC 1223, Prin. of Accounting II</td>
<td>3</td>
<td>Humanities/Fine Arts Elective/</td>
<td></td>
</tr>
<tr>
<td>WDT 1124, Web Dev. Concepts</td>
<td>4</td>
<td>ENG 1123, English Comp. II</td>
<td>3</td>
</tr>
<tr>
<td>Programming Elective</td>
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</table>

Students who lack entry-level skills in math, English, science, etc. will be provided related studies.

Programming/Networking/Technical electives may be any CPT, CNT, WDT, IST class or any other class as approved by the adviser.

If a student is placed in two or more developmental classes then the student can enroll only in CPT 1323, CPT 1143 and IST 1133 and must make at least a “C” before proceeding to the next level of classes. Additionally, the student must be enrolled in a Math class each semester until College Algebra has been completed with at least a “C”. A student must make at least a “C” in each of the major classes in order to proceed to the next level.
Paralegal Technology (Major Code 6090)

Advisers: McDavid (DeSoto Center & Senatobia); Littrell, Logan, Russell, Buchanan (LYTC) • Offered at Senatobia campus, DeSoto Center-Southaven, Lafayette-Yalobusha Technical Center (Oxford)

Associate of Applied Science • Major can be completed fully online

The student enrolled in this curriculum will be offered the opportunity to become a qualified legal assistant employed in law-related occupations. This includes public and private law practice; state, local and federal employment; insurance; real estate and corporate positions. An Associate of Applied Science degree is awarded upon successful completion.

Students must take Year 1 of the CPAS2 after completion of the first year of LET courses. Year 2 of the CPAS2 will be taken in the last semester of LET coursework.

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
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<tbody>
<tr>
<td>ENG 1113, English Composition I .....................3</td>
<td>LET 1513, Family Law .......................................3</td>
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<tr>
<td>BOT 1133, Microcomputer Appl. ..........................3</td>
<td>BAD 2413, Legal Env. of Business .........................3</td>
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<tr>
<td>LET 1113, Introduction to Law ............................3</td>
<td>ENG 1123, English Comp. II ...................................3</td>
<td></td>
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</tr>
<tr>
<td>LET 1523, Wills &amp; Estates .......................................3</td>
<td>SPT 1113, Public Speaking I ..............................3</td>
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<tr>
<td>LET 1713, Legal Writing ..........................................3</td>
<td>LET 1213, Legal Research .....................................3</td>
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<tr>
<td>Total 15</td>
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**SOPHOMORE YEAR**

<table>
<thead>
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<tbody>
<tr>
<td>LET 2453, Real Property I ......................................3</td>
<td>LET 2333, Civil Litigation II ..................................3</td>
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<tr>
<td>LET 2313, Civil Litigation I ......................................3</td>
<td>LET 2463, Real Property II ....................................3</td>
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<tr>
<td>LET 2323, Torts ...................................................3</td>
<td>LET 2913, Special Problems ..................................3</td>
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<tr>
<td>Math/Natural Science Elective .................................3/4</td>
<td>LET 2923, Internship for Paralegal ..........................3</td>
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<td>Social/Behavioral Science Elective .............................3</td>
<td>Humanities/Fine Arts Elective ................................3</td>
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<tr>
<td>Criminal Justice Elective .........................................3</td>
<td>BOT 1713, Mechanics of Comm ..................................3</td>
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<tr>
<td>Total 18/19</td>
<td>Total 18</td>
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</table>

Students must pass with a "C" all LET coursework before entering sophomore-level classes.

All LET courses will be offered every school year online by approved Northwest faculty. Any online LET course to be taken and applied to graduation must either be through Northwest faculty or approved by the Paralegal Technology adviser.

**PRE-PARALEGAL STUDIES (UNIVERSITY OF MISSISSIPPI 2+2 OPTION)**

(Major Code 6099)

Adviser: McDavid

This program is designed to transfer to The University of Mississippi’s paralegal program where the student may receive a baccalaureate degree. An Associate of Applied Science degree is awarded upon completion.

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>ENG 1113, Eng. Comp. I .......................................3</td>
<td>ENG 1123, Eng. Comp. II .....................................3</td>
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<tr>
<td>BIO 1113, Prin. of Biology I* ....................................3</td>
<td>BIO 1123, Prin. of Biology II** ..............................3</td>
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</tr>
<tr>
<td>BIO 1111, Prin. of Biology I Lab* ................................1</td>
<td>BIO 1121, Prin. of Bio. II Lab** ..............................1</td>
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<tr>
<td>MFL 1213, Spanish I ................................................3</td>
<td>MFL 1223, Spanish II ..........................................3</td>
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<tr>
<td>HIS 2213, American History I ....................................3</td>
<td>LET 1213, Legal Research ......................................3</td>
<td></td>
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<tr>
<td>CSC 1113, Computer Concepts .......................................3</td>
<td>MAT 1313, College Algebra .....................................3</td>
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<td></td>
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<td>LET 1113, Introduction to Law .................................3</td>
<td>Total 19</td>
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Total 19
### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Third Semester</th>
<th>Semester Hours</th>
<th>Fourth Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>LET 1713, Legal Writing</td>
<td>3</td>
<td>SPT 1113, Public Speaking I</td>
<td>3</td>
</tr>
<tr>
<td>MFL 2213, Spanish III</td>
<td>3</td>
<td>ENG 2233, Amer. Literature II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 1113, Music Appreciation</td>
<td>3</td>
<td>MAT 2323, Statistics</td>
<td>3</td>
</tr>
<tr>
<td>ENG 2223, Amer. Lit. I***</td>
<td>3</td>
<td>MFL 2223, Spanish IV</td>
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<td>PSY 1513, Gen. Psychology****</td>
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<tr>
<td>PSC 1113, Amer. Nat. Govt</td>
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<td>**</td>
<td>10</td>
</tr>
<tr>
<td>**</td>
<td>18</td>
<td>***</td>
<td>12</td>
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</tbody>
</table>

* The student may choose either Physical Science I, Chemistry I, or Anatomy & Physiology I.
** The student may choose Physical Science II, Chemistry II, or Anatomy & Physiology II.
*** The student may choose British Literature or American Literature.
**** The student may choose from General Psychology (PSY 1513), Principles of Macroeconomics (ECO 2113), Principles of Microeconomics (ECO 2123) or Introduction to Sociology (SOC 2113).

### Precision Manufacturing & Machining Technology

**Major Code 7005**

*Advisers: Covington, Gilliam • Offered at Senatobia campus only*

**Associate of Applied Science**

This is an instructional program that prepares individuals to analyze specifications and lay out metal stock and to set up and operate machine tools to fit and assemble parts for the manufacture and repair of metalworking dies, cutting tools, fixtures, gauges, and machinist’s hand tools. Included is instruction in metal properties and in the applications and construction of tool and die designs.

Precision Manufacturing and Machining Technology is an articulated program designed to provide advanced and technical skills to its students. Entry into the postsecondary program is based upon mastery of Baseline Competencies which are taught in the secondary programs. Students who do not possess such skills must complete additional coursework in order to graduate from the program.

**Special admissions requirements:** Students who wish to enter the Precision Manufacturing and Machining Technology program should contact an adviser. Students should understand that entrance is by way of an Admissions Committee. The committee has the responsibility of screening qualified program applicants who have submitted any of necessary records and credentials prior to the semester of entrance. Students must provide their own tools. Please see adviser for current tool list.

A student successfully completing the technical program will receive an Associate of Applied Science degree.

### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>MST 1116, Power Machinery I</td>
<td>6</td>
<td>MST 2714, CNC I</td>
<td>4</td>
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<tr>
<td>MST 1313, Machine Tool Math</td>
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<td>MST 1125, Power Machinery II</td>
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<tr>
<td>MST 1613, Precision Layout</td>
<td>3</td>
<td>MST 2813, Metallurgy</td>
<td>3</td>
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<tr>
<td>MST 1413, Blueprint Reading</td>
<td>3</td>
<td>MST 2734, Fund. of CAD/CAM</td>
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<tr>
<td>Math/Science Elective</td>
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<td>ENG 1113, English Comp. I</td>
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</tbody>
</table>

*continued on next page*
SOPHOMORE YEAR

Third Semester  | Semester Hours | Fourth Semester  | Semester Hours
MST 2725, CNC II ..................................5 | TDT 1123, Die Repair .................................3
MST 2135, Power Machinery III ...................5 | MST 2146, Power Machinery IV ......................6
MST 1423, Adv. Blueprint Reading ................3 | MST 2913, Special Probs in PMMT ................3
SPT 1113, Public Speaking I ........................3 | Humanities/Fine Art Elective ......................3
Social/Behavioral Science Elective ................3 | Total 19

Electives:
TDT 2183, Jigs, Fixtures and Tools ....................3 | TDT 291 (1-3), Special Problems
DDT 1313, Principles of CAD ..........................3 | in Tool & Die Technology .............................3
WL V 1113, Shielded Metal Arc Welding I ............3 | TDT 292 (1-6), Supervised Work Experience
WBL 1913, 1923, 1933, 2913, Work-Based Learning .....................................................................................3 | in Tool & Die Technology .............................1-6

Respiratory Therapy
(Advanced Practitioner/Registry Eligible Respiratory Therapist)
(Major Code 6093)

Advisers: Clark, Ware • Offered at DeSoto Center-Southaven only

Associate of Applied Science

Respiratory Therapy is the allied medical discipline that works under the direction of a physician to assist in the diagnosis, treatment and management of patients with cardiovascular and pulmonary disorders. Those patients range from premature infants to post-operative patients to the aged. During clinical practice the student will rotate through area hospitals where preceptors and clinical instructors will work closely with them allowing direct patient care.

The Respiratory Therapy program is fully accredited by the Committee on Accreditation for Respiratory Care. The Associate of Applied Science degree curriculum will prepare the graduate to assume the duties of an advanced level Respiratory Therapist. Upon successful completion of the program the graduate will be registry eligible, enabling him/her to take the national credentialing exams.

Special admissions requirements: Admission to the program is on a competitive basis. Meeting minimum admission requirements does not guarantee admission into the program. It is suggested that the student speak with a Respiratory Therapy Program instructor for advising when registering for the prerequisite courses.

1. Complete the prerequisite courses, Anatomy and Physiology I and II, before entering the program. (These may be taken during the summer before the August entrance date. The student will, however, still need to apply before May 1.)
2. Observe a respiratory therapy department and the day-to-day activities of a therapist and complete the observation log.
3. Before May 1, send the following information to:
   Northwest Mississippi Community College/DeSoto Center
   Director, Respiratory Therapy Program
   5197 W.E. Ross Parkway
   Southaven, MS 38671
   a) Respiratory Therapy Program Application
   b) ACT composite score of 18*
   c) High school transcript
   d) College transcript(s) if applicable
e) Respiratory department observation log

4. Send the following information to the Senatobia campus:
Northwest Mississippi Community College
Registrar’s Office
4975 Highway 51 North
Senatobia, MS 38668
a) Northwest Mississippi Community College Application
b) ACT score
c) High school transcript
d) College transcript(s) if applicable

5. Applicants with a bachelor’s degree or greater may waive the ACT score if they have a GPA of 3.25 or better on the academic courses required in the curriculum and have taken their science courses within the last five years.

Admission to the program is on a competitive basis. Meeting minimum admission requirements does not guarantee admission into the program. Science courses older than five years will have to be repeated. Preference is given to Mississippi residents as well as those who have taken their prerequisites at Northwest Mississippi Community College.

* ACT scores: The ACT score is required for entry into the Respiratory Therapy program for students of every age and background regardless of previous college experience. (Please see #5 above for the only exception). Applicants who have never taken the ACT should contact the counseling office for an application. Those who have taken the exam and are not sure of their score should first contact their high school and ask if it is posted on their transcript. If it is not, the applicant can contact the ACT office to request a copy of scores at: ACT Records, P.O. Box 451, Iowa City, IA, 52243; Telephone: (319) 337-1313.

If the class is not full, remaining positions will be filled by selecting applicants who may not meet ALL of the minimum requirements but do present documentation of achievement specified below under “alternate qualifications."

ALTERNATE qualifications include, but are not limited to:

a. courses and grades earned in traditional colleges and universities;
b. courses and grades earned in post-secondary vocational or professional training programs (especially health related);
c. documented work experience in a health-care facility in direct patient care.

Admission forms for Respiratory Therapy Program may be obtained by writing to the following address:
Director, Respiratory Therapy Program
Northwest Mississippi Community College/DeSoto Center
5197 W. E. Ross Parkway
Southaven, MS 38671

Prerequisites

BIO 2513, Anatomy & Physiology I       BIO 2511, Anatomy & Physiology I Lab
BIO 2523, Anatomy & Physiology II      BIO 2521, Anatomy & Physiology II Lab

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
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<tbody>
<tr>
<td>MAT 1313, College Algebra........3</td>
<td>ENG 1113, Eng. Comp. I........3</td>
<td></td>
<td></td>
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<tr>
<td>RCT 1313, Cardiopulmonary A&amp;P.....3</td>
<td>SPT 1113, Public Speaking I.......3</td>
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<tr>
<td>RCT 1223, Patient Assessment and Planning.........................3</td>
<td>RCT 1515, Clinical Practice I........5</td>
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<tr>
<td>RCT 1210, Patient Assessment Lab ....0</td>
<td>RCT 1414, Respiratory Care Prac. I....4</td>
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<tr>
<td>RCT 1214, Respiratory Care Science ..4</td>
<td>RCT 1410, Respiratory Care I Lab......0</td>
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<td>RCT 1613, Respiratory Pharmacology...3</td>
<td>Humanities/Fine Arts Elective........3</td>
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### Summer Term

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<tr>
<td>RCT 1424, Respiratory Care Prac. II</td>
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<tr>
<td>RCT 1322, Pulmonary Func. Testing</td>
<td>2</td>
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<tr>
<td>RCT 1523, Clinical Practice II</td>
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### Sophomore Year

#### First Semester

<table>
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<tbody>
<tr>
<td>BIO 2923, Microbiology</td>
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<tr>
<td>BIO 2921, Microbiology Lab</td>
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<tr>
<td>RCT 2613, Neonatal/Pediatrics</td>
<td>3</td>
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<tr>
<td>RCT 2434, Resp. Care Prac. III Lab</td>
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<td>RCT 2536, Clinical Practice III</td>
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<td><strong>Total</strong></td>
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#### Second Semester

<table>
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<tr>
<th>Course Code/Title</th>
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<tbody>
<tr>
<td>Basic Computer Skills Elective</td>
<td>3</td>
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<tr>
<td>RCT 2712, Resp. Care Seminar</td>
<td>2</td>
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<tr>
<td>RCT 2710, Resp. Care Sem. Lab</td>
<td>0</td>
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<tr>
<td>RCT 2333, Cardiopulm. Pathology</td>
<td>3</td>
</tr>
<tr>
<td>RCT 2546, Clinical Practice IV</td>
<td>6</td>
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<tr>
<td>Behavioral/Social Science Elective</td>
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<td><strong>Total</strong></td>
<td><strong>17</strong></td>
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</tbody>
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**Surgical Technology (Major Code 6092)**

Adviser: Shirley • Offered at Lafayette-Yalobusha Technical Center (Oxford) only

*Associate of Applied Science*

Surgical Technology is an instructional program that prepares an individual to serve as a member of the surgical team to work with surgeons, anesthesiologists, certified registered nurse anesthetists, registered nurses, and other surgical personnel in delivering patient care and assuming appropriate responsibilities before, during, and after surgery. This program includes the education of all aspects of surgical technology including the role of second assistant and circulator.

**Special admissions requirements:**

1. The applicant must be at least 18 years of age
2. The applicant must be a high school graduate (diploma) or have made equivalent scores on the GED test. A transcript of all previous schooling must be on file. ACT scores are required for applicants under 21 years of age.
3. The applicant shall make satisfactory scores on the Otis-Lennon and Adult Basic Education tests. These tests are given at Lafayette-Yalobusha Technical Center. Test dates will be mailed to each applicant.
4. After testing, the applicant shall appear before an Admissions Committee for review of qualifications.
5. If accepted into the Surgical Technology program, the applicant must have on file a health examination certificate; a record of immunizations, and a Criminal History Background Affidavit.
6. Application for admission to Northwest Mississippi Community College with required high school and college transcript(s) and ACT scores must be sent to the Senatobia campus.

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**FRESHMAN YEAR (CERTIFICATE)**

#### First Semester

<table>
<thead>
<tr>
<th>Course Code/Title</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>SUT 1113, Fundamentals of Surgical Technology</td>
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</tr>
<tr>
<td>SUT 1216, Principles of Surgical Technique</td>
<td>6</td>
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<tr>
<td>SUT 1314, Surgical Anatomy</td>
<td>4</td>
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<tr>
<td>SUT 1413, Surgical Microbiology</td>
<td>3</td>
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<tr>
<td>ENG 1113, Eng. Comp. I</td>
<td>3</td>
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#### Second Semester

<table>
<thead>
<tr>
<th>Course Code/Title</th>
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<tbody>
<tr>
<td>SUT 1518, Basic and Related Surgical Procedures</td>
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</tr>
<tr>
<td>SUT 1528, Specialized Surgical Procedures</td>
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<tr>
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</table>
SUMMER TERM (8 WEEKS)
SUT 1538, Advanced Surgical Procedures..................................................8

SOPHOMORE YEAR (TECHNICAL)

<table>
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<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities/Fine Arts Elective</td>
<td>3</td>
<td>Approved Electives*</td>
<td>3</td>
</tr>
<tr>
<td>BIO 2513, Anat. &amp; Phy. I and Lab</td>
<td>4</td>
<td>BIO 2523, Ana. &amp; Phy. II and Lab</td>
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</tr>
<tr>
<td>SPT 1113, Public Speaking</td>
<td>3</td>
<td>Social/Behavioral Science Elective</td>
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</tr>
<tr>
<td>Math/Science Elective</td>
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<td>Basic Computer Skills Elective</td>
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<tr>
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<td><strong>13</strong></td>
<td><strong>Total</strong></td>
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</table>

*Approved Electives:
- BIO 1133, General Biology I
- BIO 1143, General Biology II
- EPY 2533, Human Growth and Development
- HPR 1213, Personal and Community Health
- SOC 2113, Introduction to Sociology I
- SOC 2143, Marriage and Family
- PSY 1513, General Psychology
- BOT 1613, Medical Office Terminology I
- BOT 1623, Medical Office Terminology II

CAREER EDUCATION

The curricula in this section are based on clock hours rather than semester hours. Admission to these programs may vary from regular academic or technical admission. Refer to the section on Admissions for detailed information. Career Certificates are awarded to graduates of these programs. All Career students with deficiencies are required to attend reading, language and mathematics resource laboratory until deficiencies in these areas are corrected. Students who lack entry level skills in math, English, science, etc. will be provided related studies. All career programs have limited availability and competitive admissions depending on student interest. Each of these programs only admit in the fall semester.

Commercial Truck Driving (Major Code 8075)
Adviser: Wilbanks • Offered at DeSoto Center-Olive Branch only

Career Certificate

The Commercial Truck Driving program prepares students for occupations in the trucking industry. It is an 8-week course which meets five days per week. In presenting the material, the instructor uses both the lecture and demonstration method of teaching with active participation and practice by the students.

Upon successful completion of the 240 hours, the student is awarded a certificate and 9 semester hours credit. Employment opportunities are excellent, and every effort will be made to help a graduate in locating a job.

Entrance requirements are as follows:
1. Must have high school diploma or GED.
2. Must be 21 years of age.

continued on next page
3. Must be able to produce a valid driver's license. (Commercial license not required for admission; should be capable of meeting requirements).
4. Must be capable of driving a manual transmission.
5. Must present a copy of official driving record. (MVR)
6. Must pass DOT physical, drug screen, and blood alcohol tests. Results must be submitted before enrollment.
7. Must have CDL learner's permit.
8. Application for admission to Northwest Mississippi Community College with required high school and college transcript(s) and ACT scores must be sent to the Senatobia campus.

NOTE: This program is not eligible for financial aid; however, VA Education Benefits will cover the cost of this program for eligible veterans/service members.

The Commercial Truck Driving curriculum consists of four general categories:
1. CLASSROOM - Department of Transportation regulations, demonstrations, freight handling, defensive driving, accidents, insurance, customer relations, maintenance of equipment, etc.
2. FIELD WORK - Basic driving skills, handling of equipment, yard tests, various transmissions, etc.
3. ROAD DRIVING - Actual day and night highway driving.
4. CITY DRIVING - Actual driving in city traffic.

Collision Repair Technology (Major Code 8005)
Adviser: Brown • Offered at Senatobia campus only

Career Certificate
Collision Repair Technology is an instructional program designed to prepare students for entry level into the collision repair and refinishing trade. Upon completion of this program, the student should be prepared for beginning positions as body, frame, and refinish technicians. Students will be provided theory and practical repair and refinish work beginning with basic applications. The instruction includes all phases necessary to teach collision repair including glass replacement, welding, replacement of hardware and trim items, cosmetic, and structural repairs. Tools are required for admittance into the program. Tool list may be obtained from the adviser.

Special admissions requirements: Students who wish to enter the Collision Repair program should contact the adviser. Students should understand that entrance is by way of an Admissions Committee. The committee has the responsibility of screening qualified program applicants who have submitted any of necessary records and credentials prior to the semester of entrance including but not limited to, illegal substance use screening. In addition, students must provide their own tools.

The Northwest Collision Repair Technology program has a zero tolerance policy concerning illegal substance use/abuse and/or misuse of legal substances. All potential and current collision repair students must submit to substance testing in accordance with the substance testing policies and procedures.

A One-Year Certificate of Collision Repair may be awarded to a student who successfully completes the first year or 25 semester credit hours of required courses. The required courses for the certificate course include:
FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Semester Hours</th>
<th>Second Semester</th>
<th>Semester Hours</th>
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<tr>
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<td>ABT 1223, Non-Structural Analysis and Damage Repair I</td>
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<td>ABT 1233, Non-Structural Analysis and Damage Repair II</td>
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<td>ABT 1443, Mechanical and Electrical Components</td>
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</table>

For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at www.northwestms.edu.

Cosmetology (Major Code 8035)

Advisers: Wilburn (Ashland); Riley (LYTC); Denson, Newsom (Senatobia) • Offered at Senatobia campus, Benton County/NWCC Vo-Tech Center (Ashland), Lafayette-Yalobusha Technical Center (Oxford)

Career Certificate

The instructional program prepares individuals to care for hair, nails, and skin with emphasis on hygiene, sanitation, customer relations, and salon management. Satisfactory completion of the courses qualifies students for the Mississippi State Board of Cosmetology certification examination. Admission to the program is on a competitive basis. This program requires 1500 clock hours for completion. Students are only accepted during the fall semester on the Senatobia and Ashland campuses. Students are accepted both fall and spring semesters at the Oxford campus.

Special admissions requirements:

1. Applicant must be at least 18 years of age.
2. Admission to the college does not guarantee admission into the Cosmetology program.
3. Application for Cosmetology Program.
4. Application for admission to Northwest Mississippi Community College with required high school and college transcript(s) and ACT scores must be on file.
5. Must be a high school graduate (diploma) or have passed the GED.
6. Applicants must complete and obtain the required scoring on the Test of Adult Basic Education (TABE)
7. Personal interview with adviser at campus.

Admission to the college does not guarantee admission into the Cosmetology program. Any interested person should contact the Cosmetology department at the campus of choice.

Application for admission to Northwest Mississippi Community College with required high school and college transcript(s) and ACT scores must be sent to the Senatobia campus.

continued on next page
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<tr>
<th>Semester</th>
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<th>Course Name</th>
<th>Hours</th>
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<td>COV 1245</td>
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<td>COV 1426</td>
<td>Hair Care I</td>
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NOTE: The ratio of lab hours to lecture hours for Cosmetology is 3 to 1.

NAIL TECHNICIAN OPTION  (Major Code 8036)

Offered at Senatobia campus, Benton County/NWCC Vo-Tech Center (Ashland)

This instructional program prepares individuals to care for nails with emphasis on hygiene, sanitation, customer relations, and salon management. Satisfactory completion of the course qualifies students for the Mississippi State Board of Cosmetology, Manicure/Nail Technician certification examination.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tr>
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<td>COV 1722</td>
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</table>

NOTE: The ratio of lab hours to lecture hours for the Nail Technician Option is 3 to 1.

INSTRUCTOR TRAINEE OPTION

This instructional program prepares individuals to teach Cosmetology. Satisfactory completion of the course qualifies students for the Mississippi State Board of Cosmetology Instructor Examination.

Special admissions requirements: Students who wish to enter the Cosmetology Instructor Trainee Program must:
1. Hold a current Mississippi license to practice in the field of cosmetology.
2. Be no less than 20 years of age.
3. Have a high school diploma or GED.
4. Be a graduate of a licensed cosmetology school in Mississippi or any other state.
5. Have documentation of two years active practical experience as a licensed cosmetologist and the required classroom and seminar credits.

Prior to application for examination, a student instructor is required to attend one Board “methods of teaching” seminar and have completed 12 semester hours in college courses approved by the Board.
1. At least one three-hour course must be acquired within a classroom setting
2. Three of the required 12 hours must be from a Board-approved subject.
3. The additional hours may be acquired in any combination of any other related courses, with Board approval.

For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at www.northwestms.edu.
Health Care Assistant (Major Code 8062)

Adviser: Phelps (Senatobia), Elkins (LYTC) • Offered at Senatobia campus, Lafayette-Yalobusha Technical Center (Oxford)

Career Certificate

The Health Care Assistant Program prepares the individual to assist in providing health care as a member of the health care team under the direction of a health care professional.

Graduates of the one semester program will be awarded the Certificate of Health Care Assistant. Students who complete the program may qualify for employment as Homemakers, Nurse Assistants, Long-Term Care Aides, or Home Health Aides in the Mississippi health care industry. Admission to the program is on a competitive basis.

Special admissions requirements: Admission requirements for the Health Care Assistant Program are as follows:

1. Be 18 years of age or older with a high school diploma or GED.
2. Complete a separate application for the Health Care Assistant program at the campus location interest.
3. Be physically and emotionally able to meet the requirements of the program as determined by a qualified physician.
4. Successfully pass a background check and drug screening upon acceptance.
5. Application for admission to Northwest Mississippi Community College with required high school and college transcript(s) and ACT scores must be sent to the Senatobia campus.

Persons interested in the Health Care Assistant program at Oxford should contact:
Cheryl Elkins, HCA Instructor
Northwest Mississippi Community College
Lafayette-Yalobusha Technical Center
1310 Belk Drive
Oxford, MS 38655

Persons interested in the Health Care Assistant program at Senatobia should contact:
Kimberly Phelps
Northwest Mississippi Community College
4975 Highway 51 North
Drawer 7030
Senatobia, MS 38668

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Practical Nursing (Major Code 8060)

Program Director: Lance

Advisers: Burcham (Ashland); Geeter, Legge, Pittman (DeSoto Center); Kitchens, Shawn, L. Williams (LYTC); Lance, Thompson (Senatobia) • Offered at Senatobia campus, DeSoto Center-Southaven, Benton County/NWCC Vo-Tech Center (Ashland), Lafayette-Yalobusha Technical Center (Oxford)

Career Certificate

The Practical Nursing program prepares the individual to assist in providing general nursing care requiring basic knowledge of the biological, physical, behavioral, psychological, and sociological sciences; and of nursing procedures. This care is performed under the direction of a registered nurse, licensed physician, or dentist.

Students who complete the program requirements, as identified by the Mississippi Department of Education, will be eligible to apply for LPN licensure. Admission to the Practical Nursing program is limited on each of the four campus sites. Candidates must complete a special application process and meet all admission requirements.

Special admissions requirements: Students desiring to enter the PN program will be selected based on the following criteria:

1. Applicants must be at least 18 years of age.
2. Applicants must have a high school diploma or GED equivalency.
3. Applicants must have an enhanced ACT composite score of 16 or greater.
4. Applicants must have a Northwest application on file with the Registrar's Office.
5. Once a prospective student has a PN application on file with the PN Program, an opportunity to sit for the Test of Essential Academic Skills (TEAS) can be scheduled by calling the Career-Technical Division for each respective campus.

*The PN Program accepts applications from mid-January through April 30 of each year. Testing begins each February.

Persons interested in applying for the Practical Nursing program at Lafayette-Yalobusha Technical Center should make application to this address:

Attn: PN Program
NWCC—Lafayette-Yalobusha Technical Center
1310 Belk Drive
Oxford, MS 38655

Persons interested in applying for the Practical Nursing program on the Senatobia campus should make application to the following address:

Jennifer Lance, Program Director
Northwest Mississippi Community College
P.O. Box 5435
4975 Highway 51 North
Senatobia, MS 38668

174 • Career-Technical Education
Persons interested in applying for the Practical Nursing program at DeSoto Center should make application to the following address:

Tamara Pittman, PN Instructor
NWCC—DeSoto Center
5197 W.E. Ross Parkway
Southaven, MS 38671

Persons interested in applying for the Practical Nursing program at Ashland should make application to the following address:

Sheila Burcham, PN Instructor
Benton County/NWCC Vo-Tech Center
25 Industrial Road
Ashland, MS 38603

### FRESHMAN YEAR

<table>
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<tr>
<th>First Semester</th>
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<th>Second Semester</th>
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<td>PNV 1426, Fund. of Nursing</td>
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<td>PNV 1437, Fund. of Nursing Lab/ Clinical</td>
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<td><strong>Total</strong></td>
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<td>PNV 1814, Mental Health Concepts</td>
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<td>PNV 1914, Nursing Transition</td>
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For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at www.northwestms.edu.

### Welding and Cutting (Major Code 8070)

Adviser: Steele • Offered at Senatobia campus only

**Career Certificate**

The Welding and Cutting curriculum is designed to prepare the student for entry level employment in the field of welding and cutting. The curriculum includes Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), Pipe Welding, Plasma Arc Cutting (PAC), Carbon Arc Cutting, Oxyfuel Cutting, Gas Metal Arc Aluminum Welding, and Gas Tungsten Arc Welding (GTAW).

**National Standards Developed by American Welding Society (AWS)**

The welding competencies required in this curriculum were developed to coincide with the *Guide for the Training and Qualification of Welding Personnel: Entry Level Welders* (AWS EG2.0-95) and *Specification for Qualification and Certification for Entry Level Welders* (AWS QC 10-95), developed by the American Welding Society and funded by the U.S. Department of Education under Grant V.244 B 3006. The contributions of this resource are hereby acknowledged. Safety practices and related information are taught as they apply to welding.

*continued on next page*
The American Welding Society provides a series of reference materials to support this curriculum. For additional information on AWS Educational membership contact: American Welding Society, AWS Education Department, 550 N.W. LeJeune Road, Miami, FL 33161. (800) 443-WELD. FAX: (305) 443-7559.

The Northwest Welding and Cutting program has a zero tolerance policy concerning illegal substance use/abuse and/or misuse of legal substances. All potential and current welding and cutting students must submit to substance testing in accordance with the substance testing policies and procedures.

**Special admissions requirements:** Students who wish to enter the Welding and Cutting program should contact the adviser. Students should understand that entrance is by way of an Admissions Committee. The committee has the responsibility of screening qualified program applicants who have submitted any of necessary records and credentials prior to the semester of entrance including but not limited to, illegal substance use screening. In addition, students must provide their own tools.

<table>
<thead>
<tr>
<th>First Semester</th>
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<td>WLV 1136, Gas Tungsten Arc Welding</td>
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<td>WLV 1143, Flux Cored Arc Welding</td>
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<td>WLV 1232, Drawing and Welding Symbol Interpretation</td>
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<td>WLV 1155, Pipe Welding</td>
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Students who can document mastery of these competencies should not receive duplicate instruction. Students who cannot demonstrate mastery will be required to do so.

For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at www.northwestms.edu.
COURSE DESCRIPTIONS
COURSE DESCRIPTIONS

Accounting (ACC)

ACC 1213. PRINCIPLES OF ACCOUNTING I (3 hours credit) A study of the financial accounting principles that relate to business. The topics to be covered include the accounting cycle, accounting systems and controls for service and merchandising businesses, assets, liabilities and equity. Three lectures per week.

ACC 1223. PRINCIPLES OF ACCOUNTING II (3 hours credit) A continuation of ACC 1213. Topics to be covered include corporate accounting concepts, managerial accounting concepts and internal business decision making. Prerequisite: A grade of C or better in ACC 1213. Three lectures per week.

Agricultural Business and Management Technology (AGT)

AGT 1111. SURVEY OF AGRICULTURAL TECHNOLOGY I (1 hour credit) A course to provide opportunities for students to gain knowledge, practice, and study in agricultural technology. Includes lecture and seminars on current agricultural topics including government programs and policies, current technological trends and practices, international agriculture, agricultural employment opportunities, etc. One hour lecture; may be repeated for a maximum of 4 credit hours.

AGT 1413. PRINCIPLES OF AGRICULTURAL MANAGEMENT (3 hours credit) A course which provides instruction in organization and structure of agricultural businesses, decision-making, and the planning process for farming operations. Two hours lecture, two hours lab.

AGT 1513. PRINCIPLES OF AGRICULTURAL MARKETING (3 hours credit) An introduction to general principles of marketing agricultural products. Includes instruction in general marketing practices and the use of future contracts. Two hours lecture, two hours lab.

AGT 1613. AGRICULTURAL RECORDS (3 hours credit) An introduction to agricultural recordkeeping techniques including single entry accounting methods, field and enterprise records, and budgeting. Two hours lecture, two hours lab.

AGT 1813. FITTING/GROOMING/JUDGING (3 hours credit) Provides information and practice on fitting, grooming, and judging agricultural products. Two hours lecture, two hours lab.

AGT 1913. ANIMAL REPRODUCTION (3 hours credit) Provides information and laboratory opportunities to assist students in learning about animal reproduction. Two hours lecture, two hours lab.

AGT 2113. SUPERVISED AGRICULTURAL EXPERIENCE (1-6 hours credit) This internship course provides actual work experience in an agricultural business under the direction of the employer and the instructor. (3-18 hours externship) Prerequisite: Sophomore standing in Agricultural Business and Management Technology.

AGT 2613. FORAGE AND PASTURE CROPS (3 hours credit) A comprehensive course in the production and management of forage and pasture crops. Two hours lecture, two hours lab.

AGT 2663. APPLIED ANIMAL NUTRITION (3 hours credit) A comprehensive course of study on the practical principles and applications of nutrition. Two hours lecture, two hours lab.
AGT 2713. BEEF PRODUCTION I (3 hours credit) A course to provide knowledge and practice in the area of beef production. Includes instruction in animal breeding and nutrition and livestock handling practices. Two hours lecture, two hours lab.

AGT 2723. BEEF PRODUCTION II (3 hours credit) A continuation of Beef Production I with emphasis on management, herd health, and marketing. Two hours lecture, two hours lab. Prerequisite: Beef Production I (AGT 2713).

AGT 2863. HORSE PRODUCTION (3 hours credit) A comprehensive course in the production and management of horses. Two hours lecture, two hours lab.

Agricultural Technology/John Deere Tech (AMT)

AMT 1123. AGRICULTURAL MECHANICS FUNDAMENTALS (3 hours credit) The proper use and application of technical terms. The usage, storage, and safety of hand tools, measuring tools, and special tools. A study of the size and strength of standard and metric fasteners. Safety is applied as it relates to agricultural equipment, shop maintenance, oxyacetylene cutting, and arc/mig welding. Two hours lecture, two hours lab.

AMT 1213. ELECTRICAL/ELECTRONICS SYSTEMS (3 hours credit) A study of electrical/electronics systems as it relates to agricultural power machinery and equipment. Two hours lecture.

AMT 1223. ADVANCED ELECTRICAL/ELECTRONIC SYSTEMS (3 hours credit) Theory and operation of the onboard diagnostic systems and electrical/electronics test procedures. Two hours lecture. Prerequisite: Electrical/Electronics Systems (AMT 1213).

AMT 1313. BASIC POWER TRAINS (3 hours credit) A study of machines and the principles upon which they operate in the transmission of power. Two hours lecture, two hours lab.

AMT 1323. ADVANCED POWER TRAINS (6 hours credit) A study of machines and the principles upon which they operate in the transmission of power. Emphasis will be placed upon disassembly and assembly power train components. Three hours lecture, six hours lab. Prerequisites: Basic Power Trains (AMT 1313) and Basic Hydraulics (AMT 1613).

AMT 1413. BASIC ENGINES (3 hours credit) A study of the theory of operation, parts identification, and operational characteristics of internal combustion engines. Two hours lecture, two hours lab.

AMT 1423. ADVANCED ENGINES (3 hours credit) Adjustment, repair and overhaul of agricultural diesel engines. Two hours credit, two hours lecture. Prerequisites: Basic Engines (AMT 1413)

AMT 1511. AIR CONDITIONING SYSTEMS (1 hour credit) Principles and service of air conditioning systems used on agricultural equipment. Two hours lecture, four hours lab.

AMT 1613. BASIC HYDRAULIC SYSTEMS (3 hours credit) Theory and application of hydraulic systems in agricultural machinery and equipment. Two hours lecture, two hours lab.

AMT 2113. GRAIN HARVESTING EQUIPMENT (3 hours credit) Procedures for the inspection, adjustment, repair, and lubrication of grain harvesting equipment. Two hours lecture, two hours lab.

AMT 2133. SPECIAL PROBLEMS IN AGRICULTURAL TECHNOLOGY (3 hours credit) In this course, students will demonstrate their skills learned throughout the Agricultural Technician program. Each student team will be required to obtain a
late model diesel tractor. Each team will be required to perform all diagnosis and repair as necessary on the engine, hydraulic system, power train, and air conditioning system. It is the responsibility of the tractor owner to supply all parts and supplies to repair the tractor. The student will supply the labor and technical skills necessary to successfully complete repairs. Six hours lab. Prerequisites: All Career-Technical core.

**AMT 2513. SPRAY EQUIPMENT** (3 hours credit) Selection, assembly, inspection, adjustment, and calibration of seeding and spray equipment including safety procedures. Two hours lecture.

**AMT 2623. ADVANCED HYDRAULICS** (3 hours credit) Diagnosis, adjustment, and repair of hydraulic systems in agricultural machinery and equipment. Three hours lecture, six hours lab. Prerequisites: Basic Hydraulic Systems (AMT 1613) and Basic Power Trains (AMT 1313).

**AMT 2713. ROW CROP PLANTING SYSTEMS** (3 hours credit) Setup, inspection, adjustment, and service of row crop planting equipment and global positioning systems (GPS) equipment. Two hours lecture, two hours lab.

**AMT 2813. COMPACT ENGINES & EQUIPMENT** (3 hours credit) Inspection, adjustment, repair, and lubrication of compact engines and equipment. Four hours lab.

**AMT 292 (1-6). SUPERVISED WORK EXPERIENCE IN AGRICULTURAL TECHNOLOGY** (1-6 hours credit) A course which is a cooperative program between industry and education and is designed to integrate the student's technical studies with industrial experience. Variable credit is awarded on the basis of one semester hour per 45 industrial contact hours. Three to 18 hours externship. Prerequisite: Consent of instructor.

**AMT 2911. SPECIAL PROBLEMS—PROFESSIONALISM** (1 hour credit) Designed to familiarize the student with components of professionalism including; image, social skills, language, business etiquette, resume and interview skills. One hour lecture.

### Agriculture (AGR)

**AGR 1210. ANIMAL SCIENCE LABORATORY** to accompany AGR 1214.

**AGR 1214. ANIMAL SCIENCE** (4 hours credit) Fundamental principles and practical application of livestock, dairy, and poultry science. Prerequisite to all animal husbandry, dairy science, and poultry courses. Three lectures per week, two hours lab.

**AGR 1310. PLANT SCIENCE LABORATORY** to accompany AGR 1313.

**AGR 1313. PLANT SCIENCE** (3 hours credit) Scientific principles as the basis for practice in producing, handling, processing, marketing, and utilizing agronomic and horticultural crops. Two lectures per week, two hours lab.

**AGR 1523. INTRODUCTION TO FORESTRY** (3 hours credit) The history and development of forestry in the United States. Introduction to career opportunities and to the field of forestry.

**AGR 2310. BASIC SOILS LABORATORY** to accompany AGR 2314.

**AGR 2314. BASIC SOILS** (4 hours credit) A general course in soils designed to give the student basic understanding of all important phases of the subject including soil genesis, morphology, classification; and the physical, chemical, and biological aspects of soils as applied to soil fertility. Soil management, including fertilization and liming of soils. Three lectures per week, two hours lab. High school chemistry recommended.
Art (ART)

ART 1113. ART APPRECIATION (3 hours credit) A course designed to provide an understanding and appreciation of the visual arts.

ART 1213. INTRODUCTORY ART (3 hours credit) A studio course designed to familiarize the student with the fundamental elements of art and develop in the student a visual literacy.

ART 1313. DRAWING I (3 hours credit) Study of basic principles of construction of visual forms. Emphasis on line, perspective, and shading. Use of black and white media, pencil, charcoal. Required of art majors. Six lab hours per week.

ART 1323. DRAWING II (3 hours credit) Introduction to color dynamics and precision drawing as used in creative expression. Emphasis on composition. Required of art majors. Six lab hours per week. Prerequisite: ART 1313.

ART 1433. DESIGN I (3 hours credit) This course provides students with an understanding of the elements and principles of design to enable development of an informed, intuitive sense as well as a highly informed skills base/methodology involving black and white design problems which apply principles and elements of visual design. Six hours lab.

ART 1443. DESIGN II (3 hours credit) This course provides students with an understanding of color theory and applications of color so that there begins to be an informed as well as intuitive sense of seeing, mixing, and applying color and light to design problems. Prerequisite: ART 1433.

ART 1513. COMPUTER ART (3 hours credit) An introduction to the theory and practice of using the computer to create art. A study of methods and applications utilizing the computer and selected software applications. (For art majors only.)

ART 2433. ADVERTISING DESIGN I (3 hours credit) A study of the basic principles of layout, lettering, and illustration for reproduction in newspapers and magazines. Six lab hours per week. Prerequisites: ART 1313, ART 1323, ART 1413, ART 1423, ART 1513.

ART 2463. ADVERTISING DESIGN II (3 hours credit) Further study of design and execution for various reproductive processes; preparation of brochures, posters, and pamphlets. Six lab hours per week. Prerequisites: ART 1313, ART 1323, ART 1413, ART 1423, ART 1513 and ART 2433.

ART 2513. PAINTING I (3 hours credit) Techniques used in painting watercolors, oils, pastel, or other media, in still life and landscape pictures. Six lab hours per week. Prerequisites: ART 1313, ART 1323, and ART 1413 or special permission of the instructor.

ART 2523. PAINTING II (3 hours credit) Advanced problems in different media. Six lab hours per week. Prerequisites: ART 2513, ART 1313, ART 1323, and ART 1413 or special permission of the instructor.

ART 2613. CERAMICS I (3 hours credit) A studio course designed to cover the making of pottery by hand, including pinch pot, coil and slab methods and the application of glazes and firing procedures. Six lab hours per week.

ART 2623. CERAMICS II (3 hours credit) A continuation of ART 2613. Basic glaze calculation. Six lab hours per week. Prerequisite: ART 2613.

ART 2713. ART HISTORY I (3 hours credit) Survey course of historical background of art forms from Prehistoric to Renaissance. Emphasis placed on painting, architecture, and sculpture as related to history.

ART 2723. ART HISTORY II (3 hours credit) Renaissance to Twentieth Century. Special emphasis on modern expression in fields of art.
Automotive Technology (ATT)

ATT 1124. BASIC ELECTRICAL/ELECTRONIC SYSTEMS (4 hours credit) A course designed to provide advanced skills and knowledge related to all components of the vehicle electrical system including lights, battery, and charging components. Two hours lecture, four hours lab.

ATT 1134. ADVANCED ELECTRICAL/ELECTRONIC SYSTEMS (4 hours credit) A course to provide advanced skills and knowledge related to all components of the vehicle electrical system including gauges, driver information systems, horn, wiper/wiper systems, and accessories. Two hours lecture, four hours lab. Prerequisite: ATT 1124.

ATT 1214. BRAKES (4 hours credit) A course to provide advanced skills and knowledge related to the repair and maintenance of brake systems on automobiles. Includes instruction and practice in diagnosis of braking systems problems and the repair of brake systems. Two hours lecture, four hours lab.

ATT 1314. MANUAL DRIVE TRAINS/TRANSAXLES (4 hours credit) A course to provide advanced skills and knowledge related to the maintenance and repair of manual transmissions, transaxles, and drive train components. Includes instruction in the diagnosis of drive train problems and the repair and maintenance of transmissions, transaxles, clutches, CV joints, differentials and other components. Two hours lecture, four hours lab.

ATT 1424. ENGINE PERFORMANCE I (4 hours credit) A course to provide advanced skills and knowledge related to the maintenance and adjustment of gasoline engines for optimum performance. Includes instruction in the diagnosis and correction of problems associated with these areas. Two hours lecture, four hours lab. Prerequisite: ATT 1124.

ATT 1715. ENGINE REPAIR (5 hours credit) A course to provide advanced skills and knowledge related to the repair and rebuilding of automotive engines. Includes instruction and practice in the diagnosis and repair of engine components including valve trains, blocks, pistons and connecting rods, crankshafts, and oil pumps. Two hours lecture, six hours lab.

ATT 1811. INTRODUCTION TO SAFETY AND EMPLOYABILITY SKILLS (1 hour credit) A course designed to provide knowledge of classroom and lab policies and procedures. Includes instruction in safety practices and procedures associated with the automotive program and automotive industry. One hour lecture.

ATT 2325. AUTOMATIC TRANSMISSIONS/TRANSAXLES (5 hours credit) A course to provide skills and knowledge related to the diagnosis of automatic transmissions and transaxles. Includes instruction and practice in testing, inspecting and repair of these devices. Two hours lecture, six hours lab. Prerequisite: ATT 1124.

ATT 2334. STEERING AND SUSPENSION SYSTEMS (4 hours credit) A course to provide advanced skills and knowledge related to the inspection and repair of steering and suspension systems of automobiles. Includes instruction and practice in the diagnosis of steering system problems and the repair/replacement of steering components. Two hours lecture, four hours lab. Prerequisite: ATT 1124.

ATT 2434. ENGINE PERFORMANCE II (4 hours credit) A course to provide advanced skills and knowledge related to the ignition system, fuel, air induction and exhaust systems. Includes instruction in the diagnosis and correction of problems associated within these areas. Two hours lecture, four hours lab. Prerequisite: ATT 1424.

ATT 2444. ENGINE PERFORMANCE III (4 hours credit) A course to provide advanced skills and knowledge related to the emissions control systems and engine related
service. Includes instruction in the diagnosis and correction of problems associated within these areas. Two hours lecture, four hours lab. Prerequisite: ATT 2434.

ATT 2614. HEATING AND AIR CONDITIONING (4 hours credit) A course to provide advanced skills and knowledge associated with the maintenance and repair of automotive heating and air conditioning systems. Includes instruction and practice in the diagnosis and repair of heating and air conditioning system components and control systems. Two hours lecture, four hours lab. Prerequisite: ATT 1124.

ATT 2913. SPECIAL PROBLEMS IN AUTOMOTIVE TECHNOLOGY (3 hours credit) A course to provide students with an opportunity to utilize skills and knowledge gained in other Automotive Technology courses. The instructor and student work closely together to select a topic and establish criteria for completion of the project. One hour lecture, four hours lab. Prerequisite: Two semesters of coursework in ATT and instructor approval.

ATT 2933. SPECIAL PROBLEMS IN AUTOMOTIVE TECHNOLOGY II (3 hours credit) A course to provide students with an opportunity to utilize skills and knowledge gained in other Automotive Technology courses. The instructor and student work closely together to select a topic and establish criteria for completion of the project. One hour lecture, four hours lab. Prerequisite: Three semesters of coursework in ATT and instructor approval.

Aviation Maintenance Technology (APT)

APT 1114. AVIATION APPLIED SCIENCE (4 hours credit) A study of general aviation maintenance practices including orientation to aviation, aircraft maintenance safety procedures, aviation mathematics, aviation physics, and aircraft drawings.

APT 1123. AVIATION ELECTRICITY I (3 hours credit) A study of the theory and application of direct and alternating current distribution and utilization of voltage. Practical application of Ohm's Law. Prerequisite: Aviation Applied Science (APT 1114).

APT 1134. AVIATION MATERIALS AND PROCESSES (4 hours credit) A study of materials and processes used in the construction and repair of aircraft and components, fluid lines and fittings, and corrosion protection. Prerequisite: Aviation Electricity I (APT 1123).

APT 1143. AIRCRAFT SERVICING AND WEIGHT AND BALANCE (3 hours credit) A study of aircraft ground operation and servicing and weight and balance checks and records. Pre/corequisite: Maintenance Forms, Records and Regulations (APT 1153).

APT 1153. MAINTENANCE FORMS, RECORDS AND REGULATIONS (3 hours credit) A study of maintenance publications, maintenance forms and records, and mechanic privileges and limitations. Pre/corequisite: Aviation Materials and Processes (APT 1134).

APT 1162. RECIPROCATING ENGINE THEORY (2 hours credit) A study of theory and principles of operation of reciprocating engines.

APT 1214. RECIPROCATING ENGINE OVERHAUL AND INSPECTION (4 hours credit) This course contains a detailed study supported by the actual overhaul of reciprocating engines. Included is a study of the procedures and acceptable techniques used in engine disassembly, inspection, repair, and reassembly. Prerequisite: Reciprocating Engine Theory (APT 1162).

APT 1222. TURBINE ENGINE THEORY (2 hours credit) A study of the theory of basic gas turbine engines and related accessories including unducted fan systems and turbine-driven auxiliary power units.
APT 1234. TURBINE ENGINE OVERHAUL AND INSPECTION (4 hours credit) A study of the overhaul of basic gas turbine engines and related accessories and components, including disassembly, inspection, assembly, and operation of jet engines. Pre/corequisite: Turbine Engine Theory (APT 1222).

APT 1241. POWERPLANT CONFORMITY AIRWORTHINESS INSPECTION (1 hour credit) Inspection of aircraft powerplants for conformity with airworthiness directives and manufacturer's specifications. Inspections will conform with all Federal Aviation regulations. Pre/corequisites: Turbine Engine Overhaul & Inspection (APT 1234) and Reciprocating Engine Overhaul & Inspection (APT 1214).


APT 1263. INDUCTION, COOLING, AND EXHAUST SYSTEMS (3 hours credit) A study of reciprocating and turbine induction and engine airflow systems, engine cooling systems, and engine exhaust and reverser systems. Pre/corequisites: Turbine Engine Overhaul & Inspection (APT 1234) and Reciprocating Engine Overhaul & Inspection (APT 1214).

APT 2115. AVIATION ELECTRICITY II (5 hours credit) The study of aircraft engine systems including instrument, engine fire protection, engine electrical, ignition, and starting. Prerequisites: Turbine Engine Overhaul & Inspection (APT 1234) and Reciprocating Engine Overhaul & Inspection (APT 1214).

APT 2123. PROPELLERS AND POWERPLANT REVIEW (3 hours credit) A course of study to inspect, check, service, and repair fixed pitch, constant spell, and feathering propellers. Included are propeller governing systems, propeller synchronizing, and ice removal systems. Review of powerplant courses. Prerequisites: Turbine Engine Overhaul & Inspection (APT 1234), Reciprocating Engine Overhaul & Inspection (APT 1214), and all Powerplant Courses.

APT 2136. STRUCTURES I (6 hours credit) A study of sheet metal and composite structures and welding process.

APT 2144. STRUCTURES II (4 hours credit) A study of aircraft wood and non-metallic structures, covering, and finishes. Pre/corequisite: Structures I (APT 2136).

APT 2212. FLIGHT CONTROL (2 hours credit) A study of aircraft rigging and assembly. Prerequisite: Structures II (APT 2144).

APT 2223. AVIATION ELECTRICITY III (3 hours credit) A study of airframe electrical systems and components including wiring, switches, and controls. Pre/corequisite: Flight Control (APT 2212).

APT 2232. HYDRAULIC AND PNEUMATIC POWER SYSTEMS (2 hours credit) A study of aircraft hydraulic and pneumatic power systems and components. Pre/corequisite: Aviation Electricity I (APT 1123).

APT 2243. LANDING GEAR AND PROTECTIVE SYSTEMS (3 hours credit) A study of aircraft landing gear systems, position and warning systems, and ice and rain control systems. Pre/corequisite: Aviation Electricity III (APT 2223).

APT 2251. ENVIRONMENTAL CONTROL SYSTEMS (1 hour credit) A study of cabin atmosphere control systems. Pre/corequisite: Aviation Electricity III (APT 2223).

APT 2264. AIRCRAFT INSTRUMENTATION SYSTEMS (4 hours credit) A study of aircraft instrument systems, communications and navigation systems, and aircraft fire protection systems. Pre/corequisite: Aviation Electricity III (APT 2223).
APT 2271. AIRCRAFT FUEL SYSTEMS (1 hour credit) A study of construction, inspection, and maintenance of various fuel systems and components including tanks, pumps, strainers, tubing, and hoses. Pre/corequisite: Aviation Electricity III (APT 2223).

APT 2282. AIRFRAME INSPECTION AND REVIEW (2 hours credit) A study of airframe conformity and airworthiness inspections and maintenance procedures. Review of all airframe courses. Prerequisites: All Airframe Courses.

Biology (BIO)

BIO 1111. PRINCIPLES OF BIOLOGY I, LABORATORY (1 hour credit) A laboratory course for non-science majors that contains experiments and exercises that reinforce the principles introduced in BIO 1113 Principles of Biology I, Lecture. Corequisite: concurrent enrollment in BIO 1113.

BIO 1113. PRINCIPLES OF BIOLOGY I, LECTURE (3 hours credit) A lecture course for non-science majors that provides an introduction to the basic principles of modern biology and their relevance to modern life. Emphasis is placed on the nature and history of scientific thought, basic biological chemistry, cell structure and processes, and genetics.

BIO 1121. PRINCIPLES OF BIOLOGY II, LABORATORY (1 hour credit) A laboratory course for non-science majors that contains experiments and exercises that reinforce the principles introduced in BIO 1123 Principles of Biology II, Lecture. Co-requisite: concurrent enrollment in BIO 1123.

BIO 1123. PRINCIPLES OF BIOLOGY II, LECTURE (3 hours credit) A lecture course for non-science majors that emphasizes the survey of the diversity of life, ecology, evolution, and an overview of organ systems. Prerequisite: BIO 1113.

BIO 1131. GENERAL BIOLOGY I, LABORATORY (1 hour credit) A laboratory course for science majors that contains experiments and exercises that reinforce the principles introduced in BIO 1133 General Biology I, lecture. Corequisite: concurrent enrollment in BIO 1133.

BIO 1133. GENERAL BIOLOGY I, LECTURE (3 hours credit) A lecture course for science majors that includes study of the scientific method, chemistry relevant to biological systems, cell structure and physiology, cell processes including photosynthesis and cellular respiration, cell division, genetics, and molecular genetics. Prerequisite: Composite ACT score of 19 or above or successful completion of a college-level biological science course with a grade of "B" or higher. Corequisite: concurrent enrollment in BIO 1131.

BIO 1141. GENERAL BIOLOGY II, LABORATORY (1 hour credit) A laboratory course for science majors that contains experiments and exercises that reinforce the principles introduced in BIO 1143, General Biology II, Lecture. Corequisite: concurrent enrollment in BIO 1143.

BIO 1143. GENERAL BIOLOGY II, LECTURE (3 hours credit) A lecture course for science majors that reinforces concepts introduced in BIO 1133 General Biology I, Lecture, while emphasizing the diversity of life. Topics covered include evolution, classification, ecology, detailed consideration of each group of organisms and viruses, study of animals and plants including their basic anatomy and physiology. Prerequisite: successful completion of BIO 1133 and BIO 1131 with a grade of “C” or better. Corequisite: concurrent enrollment in BIO 1141.

BIO 1211. ENVIRONMENTAL SCIENCE, LABORATORY (1 hour credit) A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 1213, Environmental Science, Lecture.
BIO 1213. ENVIRONMENTAL SCIENCE, LECTURE (3 hours credit) A lecture course covering the relevance of ecological principles to environmental problems and the relationship of humans to their environment with emphasis on preservation of environmental quality.

BIO 1311. BOTANY I, LABORATORY (1 hour credit) A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 1313, Botany I, Lecture. Corequisite: concurrent enrollment in BIO 1313.

BIO 1313. BOTANY I, LECTURE (3 hours credit) A lecture course covering the representative groups of the plant kingdom, their anatomy, physiology, taxonomy, and economic importance.

BIO 1321. BOTANY II, LABORATORY (1 hour credit) A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 1323, Botany II, Lecture. Corequisite: concurrent enrollment in BIO 1323.

BIO 1323. BOTANY II, LECTURE (3 hours credit) A lecture course that emphasizes classification and identification of plants. Prerequisite: BIO 1313 and BIO 1311. Corequisite: concurrent enrollment in BIO 1321.

BIO 1531. SURVEY OF ANATOMY AND PHYSIOLOGY, LABORATORY (1 hour credit) A laboratory course that contains experiments and exercises that reinforce the principles and concepts introduced in BIO 1533, Survey of Anatomy and Physiology, Lecture. Corequisite: concurrent enrollment in BIO 1533.

BIO 1533. SURVEY OF ANATOMY AND PHYSIOLOGY, LECTURE (3 hours credit) A lecture course covering essential principles of human anatomy and physiology, including basic chemistry, cell and tissue studies, and an overview of all the body systems.

BIO 1613. NUTRITION (3 hours credit) A lecture course covering the nutrients required for normal growth and prevention of major chronic diseases, and applied to the selection of food for ingestion, the metabolic process of digestion, assimilation, and absorption, and their applications for healthcare providers. (Same as FCS 1253)

BIO 2314. DENDROLOGY (4 hours credit) A combined lecture and laboratory course concerning the taxonomy, morphology, ecology, and identification of woody plants. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes. Prerequisite: BIO 1313 or other biological science course approved by the instructor.

BIO 2410. ZOOLOGY I, LABORATORY A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 2414, Zoology I, Lecture. Corequisite: concurrent enrollment in BIO 2414.

BIO 2414. ZOOLOGY I, LECTURE (4 hours credit) A combined lecture and laboratory course that includes in-depth studies of phylogeny and classification systems, protostoa, and major invertebrate phyla. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes. Prerequisite: Composite ACT score of 19 or above or successful completion of a college-level biological science course with a grade of "B" or higher. Corequisite: BIO 2410.

BIO 2420. ZOOLOGY II, LABORATORY A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 2424, Zoology II, Lecture. Corequisite: concurrent enrollment in BIO 2424.

BIO 2424. ZOOLOGY II, LECTURE (4 hours credit) A combined lecture and laboratory course that includes in-depth studies of animal phyla with emphasis on the vertebrates and animal systems. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes. Prerequisite: Suc-
cessful completion of BIO 2414/2410 or BIO 1133/1131 with a grade of “C” or better. Corequisite: BIO 2420.

**BIO 2511. ANATOMY AND PHYSIOLOGY I, LABORATORY** (1 hour credit) A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 2513, Anatomy and Physiology I, Lecture. Corequisite: Concurrent enrollment in BIO 2513.

**BIO 2513. ANATOMY AND PHYSIOLOGY I, LECTURE** (3 hours credit) A lecture course that covers the anatomical and physiological study of the human body as an integrated whole. The course includes detailed studies of biological principles; tissues; and the integumentary, skeletal, muscular and nervous systems. Prerequisite: Composite ACT score of 19 or above or successful completion of a college-level biological science course with a grade of "B" or higher. Corequisite: concurrent enrollment in BIO 2511.

**BIO 2521. ANATOMY AND PHYSIOLOGY II, LABORATORY** (1 hour credit) A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 2523, Anatomy and Physiology II, Lecture. Corequisite: BIO 2523.

**BIO 2523. ANATOMY AND PHYSIOLOGY II, LECTURE** (3 hours credit) A lecture course that includes detailed studies of the anatomy and physiology of the human special senses and the endocrine, circulatory, respiratory, digestive, and urinary systems, as well as reproduction and development. Prerequisite: Successful completion of BIO 2513/2511 with a grade of “C” or better. Corequisite: BIO 2521.

**BIO 2921. MICROBIOLOGY, LABORATORY** (1 hour credit) A laboratory course that contains experiments and exercises that reinforce the principles introduced in BIO 2923 Microbiology lecture. Corequisite: concurrent enrollment in BIO 2923.

**BIO 2923. MICROBIOLOGY, LECTURE** (3 hours credit) A lecture course that provides and introduction to the general principles of microbiology with emphasis on microorganisms and human/animal diseases. Topics include laboratory techniques, cellular biology, immunology, genetics, microbial classification and an introduction to biotechnology. Prerequisite: Successful completion of BIO 2523 and BIO 2521 or 8 hours of upper-level biology courses with a grade of “C” or better. Corequisite: BIO 2921.

**Business Administration (BAD)**

**BAD 1313. BUSINESS MATHEMATICS** (3 hours credit) Emphasis is placed on the study of the fundamental processes, fraction, decimals, percentage and problem solving. The application of these fundamental processes is applied toward the problem of business which the student will encounter in the various commercial fields.

**BAD 2323. BUSINESS STATISTICS** (3 hours credit) Introduction to statistical methods of collecting, presenting, analyzing and interpreting quantitative data for business management and control. Topics include central tendency and dispersion; probability, binomial, Poisson, and normal distributions; estimation and hypothesis testing. Prerequisite: College Algebra (MAT 1313).

**BAD 2413. LEGAL ENVIRONMENT OF BUSINESS** (3 hours credit) This course is an introduction to interrelationships of law and society, jurisprudence and business. Topics include an introduction to law, law of contracts, agency, and employment.

**BAD 2523. PERSONAL FINANCIAL MANAGEMENT** (3 hours credit) This course deals with an individual's optimal management of personal income and expenditures over a lifetime to best meet the needs of his/her financial objectives. This course focuses on the areas of budgeting, insurance, borrowing and credit purchases, home ownership, investment, taxes and family financial planning.
BAD 2713. PRINCIPLES OF REAL ESTATE (3 hours credit) The course deals with the nature of the real estate market, types of ownership of property, contracts, methods of transferral of title, instruments used in transfers, title closing, financing, property management, insuring, and appraising.

BAD 2723. REAL ESTATE LAW (3 hours credit) Designed to give the student a general background in the law of real property and the law of real estate brokerage.

BAD 2733. REAL ESTATE FINANCE (3 hours credit) A study of principles and methods of financing real estate, sources of funds, types and contents of financing instruments, and the role of various institutions, both private and governmental.

BAD 2743. REAL ESTATE APPRAISAL I (3 hours credit) An introductory course. Includes purpose of appraisal, methods, and techniques to determine the value of the various types of property. Emphasis on residential and single unit property. Prerequisite: Principles of Real Estate (BAD 2713) or Real Estate Sales or Broker License.

BAD 2753. REAL ESTATE APPRAISAL II (3 hours credit) Emphasis placed on income approaches to real estate valuation. Prerequisite: Real Estate Appraisal I (BAD 2743).

BAD 2763. PROPERTY MANAGEMENT (3 hours credit) This course deals with the nature of real property management. The major functions of property managers includes legal, interpersonal, maintenance, accounting, administrative and other activities. Specific practices and problems are covered.

Business and Marketing Management Technology (MMT)

MMT 1113. MARKETING I (3 hours credit) Study of principles and problems of marketing goods and methods of distribution from producer to consumer. Types, functions, and practices of wholesalers and retailers and efficient techniques in the development and expansion of markets. Three hours lecture.

MMT 1123. MARKETING II (3 hours credit) A continuation of MMT 1113. Three hours lecture. Prerequisite: MMT 1113.

MMT 1313. SALESMASTERSHIP (3 hours credit) Basic principles and techniques of salesmanship and their practical application. Topics include basic elements of consumer behavior, developing selling strategies, closing and servicing a sale, and developing consumer relations. Two hours lecture, two hours lab.

MMT 1323. ADVERTISING (3 hours credit) The role of advertising as a promotional tool. Topics included are product and consumer analysis, media selection, and creation of advertising. Two hours lecture, two hours lab.

MMT 1413. MERCHANDISING MATH (3 hours credit) Study of the mathematical calculations involved in the merchandising process. Fundamental principles and operations in buying, pricing, and inventory control. Three hours lecture.

MMT 1711. MARKETING SEMINAR I (1 hour credit) Develops leadership skills and human relations skills necessary for success in the field of marketing management. A minimum of six outside speakers will address the class on topics directly related to marketing careers. Emphasis will be placed on developing civic, social, and business responsibilities. Two hours lab.

MMT 1721. MARKETING SEMINAR II (1 hour credit) A continuation of MMT 1711. Two hours lab. Prerequisite: Marketing Seminar I (MMT 1711).

MMT 1731. MARKETING SEMINAR III (1 hour credit) A continuation of MMT 1721. Two hours lab. Prerequisite: Marketing Seminar II (MMT 1721).

MMT 1741. MARKETING SEMINAR IV (1 hour credit) A continuation of MMT 1731. Two hours lab. Prerequisite: Marketing Seminar III (MMT 1731).
MMT 2213. MANAGEMENT (3 hours credit) Study of the basic principles and functions of management. Special emphasis on planning, organizing, directing, staffing, and controlling. Three hours lecture.

MMT 2223. SUPERVISORY MANAGEMENT (3 hours credit) Basic skills, principles, and functions of supervisory management. Special emphasis on productivity, individual and group motivation, leadership, and evaluation.

MMT 2233. HUMAN RESOURCE MANAGEMENT (3 hours credit) Objectives, organization, and functions of human resource management. Emphasis is placed on selection and placement, job evaluation, training, education, safety, health, employer-employee relationships, and employee services. Three hours lecture.

MMT 2313. E-COMMERCE MARKETING (3 hours credit) This course introduces the fundamental opportunities and challenges associated with e-commerce activities. Topics include: designing the user interface, Web security, electronic payment systems, promotion, and legal issues involved in creating a functioning on-line business. Two hours lecture, two hours lab.

MMT 2423. RETAIL MANAGEMENT (3 hours credit) Study of retailing process, including functions performed, principles governing effective operation, and managerial problems resulting from current economic and social trends. Three hours lecture.

MMT 2513. ENTREPRENEURSHIP (3 hours credit) Overview of activities that are involved in planning, establishing, and managing a small business enterprise. Topics to be covered will include planning, location, analysis, financing, and development of a business plan. Two hours lecture, two hours lab.

MMT 2613. INTERNATIONAL MARKETING (3 hours credit) Provides students with an overview and understanding of international marketing. This involves an analysis of world markets, their respective consumers and environments, and the marketing management required to meet the demands of constantly changing foreign markets. Three hours lecture.

MMT 2913. WORK-BASED LEARNING IN BUSINESS AND MARKETING MANAGEMENT TECHNOLOGY (3 hours credit) Direct application of concepts and theory of marketing management technology. Students will work in a marketing-related environment. Nine hours externship. Prerequisite: Permission of the instructor and Work-Based Learning Coordinator.

Business and Office Administration (BOA)

BOA 1113. ELEMENTARY TYPEWRITING (3 hours credit) Mechanism and care of the typewriter; its operation; keyboard drills to gain speed and accuracy; introduction to letter forms. Students with a year of high school typewriting cannot receive credit for this course. Three classes per week.

BOA 1123. INTERMEDIATE TYPEWRITING (3 hours credit) This course contains advanced drills for speed and accuracy and covers letter forms, telegrams and other business forms, and manuscript writing.

BOA 1313. FILING-RECORDS MANAGEMENT (3 hours credit) This course focuses on the various systems of filing with sufficient practice in the laboratory to develop skill in the operation of the systems. Coding, indexing, equipment and materials are emphasized. Three hours lecture/lab per week.

BOA 2113. ADVANCED TYPEWRITING (3 hours credit) A continuation of BOA 1123.

BOA 2533. WORD PROCESSING I (3 hours credit) This course studies the development of today's modern office through the use of automated equipment and trained
personnel. Emphasis is placed on the organizations of word processing from input through distribution, equipment available, and role of participants in word processing systems. Three lectures per week.

**BOA 2553. DESKTOP PUBLISHING** (3 hours credit) This course covers the writing, assembling and design of publications in a business or editorial office by the use of microcomputers. The course includes an introduction to traditional publishing terminology, completion of training software, and the production of various business documents and publications.

**BOA 2613. BUSINESS COMMUNICATIONS** (3 hours credit) Study and practice in writing different types of business letters and reports, with emphasis on correct spelling, grammar, punctuation, and clarity of communication. Prerequisite: ENG 1113 or permission of instructor.

**Business and Office and Related Technology (BOT)**

**Accounting Technology**

**Health-care Data Technology**

**Microcomputer Technology**

**Office Systems Technology**

**BOT 1013. INTRODUCTION TO KEYBOARDING** (3 hours credit) This course provides an introduction to basic word processing commands and essential skill development using the touch system on the alphabetic keyboard. Course emphasis will be on speed and accuracy when keying documents and timed writings. Three hours lecture/lab per week plus additional lab.

**BOT 1113. DOCUMENT FORMATTING AND PRODUCTION** (3 hours credit) This course focuses on improving keyboarding techniques using the touch method and on production of documents using word processing functions. Three hours lecture/lab per week plus additional lab. Prerequisite: student must be able to key straight-copy material at a minimum of 35 GWPM on a five-minute timed writing or successfully complete Introduction to Keyboarding (BOT 1013).

**BOT 1123. KEYBOARD SKILLBUILDING** (3 hours credit) This course further develops keyboard techniques emphasizing speed and accuracy on the keyboard. Three hours lecture/lab per week plus additional lab. Prerequisite: Document Formatting and Production (BOT 1113).

**BOT 1133. MICROCOMPUTER APPLICATIONS** (3 hours credit) This course will introduce an operating system and word processing, spreadsheet, and database management and presentation software applications. Three hours lecture/lab per week plus additional lab. Prerequisite: Introduction to Keyboarding (BOT 1013) or instructor's permission.

**BOT 1143. WORD PROCESSING** (3 hours credit) This course focuses on production of documents using word processing functions. Production with accuracy is stressed, and practice is given through a variety of documents for skill building. Three hours lecture/lab per week plus additional lab. Prerequisite: Document Formatting and Production (BOT 1113) with a grade of “C” or higher and Microcomputer Applications (BOT 1133) or instructor's permission.

**BOT 1213. PERSONAL AND PROFESSIONAL DEVELOPMENT** (3 hours credit) This course develops an awareness of interpersonal skills essential for job success. Three hours lecture/lab per week.
BOT 1313. APPLIED BUSINESS MATH (3 hours credit) This course is designed to develop competency in mathematics for business use, with emphasis on the touch method. Three hours lecture/lab per week.

BOT 1413. RECORDS MANAGEMENT (3 hours credit) This course focuses on the systems approach to managing recorded information in any form. Emphasis is placed on the three categories into which records generally fall and the treatment of these categories in proper management, storage, and retrieval. Three hours lecture/lab per week.

BOT 1433. BUSINESS ACCOUNTING (3 hours credit) This course is designed to develop an understanding of recording, classifying, and summarizing financial information of sole proprietorship with insight into interpreting and reporting the resulting effects upon the business. Three hours lecture/lab per week.

BOT 1443. ADVANCED BUSINESS ACCOUNTING (3 hours credit) This course is a continuation of Business Accounting with emphasis in accounting for corporations. Three hours lecture/lab per week. Prerequisite: Business Accounting (BOT 1433) or Accounting Principles I (ACC 1213).

BOT 1513. MACHINE TRANSCRIPTION (3 hours credit) This course is designed to teach transcription of a wide variety of business communications from machine dictation. Three hours lecture/lab per week plus additional lab. Prerequisite: Word Processing (BOT 1143).

BOT 1613. MEDICAL OFFICE TERMINOLOGY I (3 hours credit) This course is a study of medical language relating to the various body systems including diseases, physical conditions, procedures, clinical specialties, and abbreviations. Emphasis is placed on correct spelling and pronunciation. Three hours lecture/lab per week.

BOT 1623. MEDICAL OFFICE TERMINOLOGY II (3 hours credit) This course presents medical terminology pertaining to human anatomy in the context of body systems. The emphasis is directed toward medical terminology as it relates to Health-care Data Technology. Three hours lecture/lab per week plus additional lab. Prerequisite: Medical Office Terminology I (BOT 1613) with a grade of “C” or higher.

BOT 1713. MECHANICS OF COMMUNICATION (3 hours credit) This course is designed to develop the basic English competencies necessary for success in the business world. A study of the parts of speech, sentence structure, sentence types, capitalization, punctuation, and spelling is emphasized. Three hours lecture/lab per week.

BOT 1813. ELECTRONIC SPREADSHEET (3 hours credit) This course focuses on advanced applications of the electronic spreadsheet as an aid to management decision making. Three hours lecture/lab per week plus additional lab. Prerequisite: Microcomputer Applications (BOT 1133).

BOT 2133. DESKTOP PUBLISHING (3 hours credit) This course presents graphic design techniques, principles of page layout and design, and electronic publishing terminology and application to create a variety of documents such as flyers, brochures, newsletters, and business cards using advanced features of word processing software. Three house lecture/lab per week. Prerequisite: Word Processing (BOT 1143).

BOT 2323. DATABASE MANAGEMENT (3 hours credit) This course applies database concepts for designing and manipulating data files and formatting output as complex documents and reports. Three hours lecture/lab per week plus additional lab. Prerequisite: Microcomputer Applications (BOT 1133).

BOT 2413. COMPUTERIZED ACCOUNTING (3 hours credit) This course applies basic accounting principles using a computerized accounting system. Three hours lecture/lab per week plus additional lab. Prerequisite: Business Accounting (BOT 1433) or Accounting Principles I (ACC 1213).
BOT 2423. INCOME TAX ACCOUNTING (3 hours credit) This course is designed to be an introductory tax accounting class with insight in federal income tax laws and preparation of reports. Three hours lecture/lab per week plus additional lab. Prerequisites: Business Accounting (BOT 1433) or Accounting Principles I (ACC 1213).

BOT 2463. PAYROLL ACCOUNTING (3 hours credit) This course provides an in-depth study of payroll accounting. Three hours lecture/lab per week plus additional lab. Prerequisites: Business Accounting (BOT 1433) or Accounting Principles I (ACC 1213).

BOT 2473. COST ACCOUNTING (3 hours credit) This course provides an in-depth study of cost accounting for manufacturing business. Three hours lecture/lab per week plus additional lab. Prerequisites: Business Accounting (BOT 1433) or Accounting Principles I (ACC 1213).

BOT 2523. MEDICAL MACHINE TRANSCRIPTION I (3 hours credit) This course is designed to teach transcription of various medical documents. Three hours lecture/lab per week plus additional lab. Prerequisites: Document Formatting and Production (BOT 1113), Medical Office Terminology I (BOT 1613) and Medical Office Terminology II (BOT 1623).

BOT 2533. MEDICAL MACHINE TRANSCRIPTION II (3 hours credit) This course is designed to continue teaching transcription of various medical documents including dictation given by doctors with foreign accents and additional medical specialties. Three hours lecture/lab per week plus additional lab. Prerequisite: Medical Machine Transcription I (BOT 2523).

BOT 2643. CPT CODING (3 hours credit) This course is an introduction to the field of procedural coding and requirements for insurance reimbursement. Three hours lecture/lab per week. Prerequisites: Medical Office Terminology I and II (BOT 1613 and BOT 1623).

BOT 2653. ICD CODING (3 hours credit) This course is an introduction to the field of diagnostic coding. Three hours lecture/lab per week. Prerequisites: Medical Office Terminology I and II (BOT 1613 and BOT 1623).

BOT 2663. ADVANCED CODING (3 hours credit) This course includes advanced analysis of diagnostic and procedural coding systems. Three hours lecture/lab per week. Prerequisites: CPT Coding (BOT 2643) and ICD Coding (BOT 2653).

BOT 2673. MEDICAL INSURANCE BILLING (3 hours credit) This course is a culmination of skills and knowledge of appropriate procedures for generating, processing, and submitting health insurance claims to private and governmental health insurance programs. Prerequisites: CPT Coding (BOT 2643) and ICD Coding (BOT 2653).

BOT 2723. ADMINISTRATIVE OFFICE PROCEDURES (3 hours credit) This course will provide comprehensive coverage and integration of business skills and issues, develop critical thinking and problem-solving skills, and establish a foundation in business procedures. Three hours lecture/lab per week plus additional lab. Prerequisite: Word Processing (BOT 1143).

BOT 2743. MEDICAL OFFICE CONCEPTS (3 hours credit) This course provides coverage and integration of medical office skills and issues using knowledge of medical terminology. Problem solving will be emphasized. Three hours lecture/lab per week plus additional lab. Prerequisite: Document Formatting and Production (BOT 1113).

BOT 2753. MEDICAL INFORMATION MANAGEMENT (3 hours credit) This course continues coverage of medical office issues with emphasis on health insurance filing and medical office software. Three hours lecture/lab per week plus additional lab. Prerequisite: Medical Office Concepts (BOT 2743).
BOT 2813. BUSINESS COMMUNICATION (3 hours credit) This course develops communication skills with emphasis on principles of writing business correspondence and reports, and analyzing and summarizing information in a logically written presentation. Three hours lecture/lab per week. Prerequisites: Document Formatting and Production (BOT 1113) and Mechanics of Communication (BOT 1713).

BOT 2823. COMMUNICATION TECHNOLOGY (3 hours credit) This course will present an overview of the resources available for communication using current technology. Three hours lecture/lab per week. Prerequisite: Word Processing (BOT 1143).

BOT 2833. INTEGRATED COMPUTER APPLICATIONS (3 hours credit) This course integrates activities using applications software including word processing, database, spreadsheet, graphics, and multimedia. Three hours lecture/lab per week plus additional lab. Prerequisites: Word Processing (BOT 1143), Electronic Spreadsheets (BOT 1813), and Database Management (BOT 2323).

BOT 2913. SUPERVISED WORK EXPERIENCE (3 hours credit) This course provides related on-the-job training in the accounting area. Employing firm and type of work experience to be approved by the Department of Business Technology. Must be at least 135 clock hours of on-the-job training. Prerequisite: successful completion of at least 30 semester hours in the program and consent of the instructor.

Cardiovascular Technology (CVT)

CVT 1113. FOUNDATIONS OF CARDIOVASCULAR TECHNOLOGY (3 hours credit) Designed to introduce the student to fundamental elements in cardiovascular technology including terminology important to the delivery of health care in a safe, efficient, and professional manner. Two hours lecture, two hours lab.

CVT 1214. CARDIOVASCULAR ANATOMY AND PHYSIOLOGY (4 hours credit) A study of anatomy and physiology in relation to the practice of cardiovascular technology. Three hours lecture, two hours lab.

CVT 1312. CARDIOVASCULAR PHARMACOLOGY (2 hours credit) Designed to provide students with the pharmacology needed to function in clinical experiences. This includes classifications of medications, modes of action, indications, contraindications, and their effect on cardiac output and its determinates. Two hours lecture.

CVT 2413. INVASIVE CARDIOLOGY I (3 hours credit) Introduces students to the specific procedures performed in the cardiac catheterization laboratory and the use of the resulting data for patient diagnosis. Additional topics include aseptic techniques, sterilization, patient assessment, radiography, pharmacology, cardiac wave forms, coronary artery anatomy, equipment and tools utilized in cardiac catheterization, hemodynamic data and analysis, right and left heart caths, and complications and treatment of cardiac catheterization. Two hours lecture, two hours lab.

CVT 2423. INVASIVE CARDIOLOGY II (3 hours credit) Designed to tie together cardiac diseases as well as to continue teaching students classifications and the use of equipment and techniques used in invasive cardiology. An in-depth presentation of various cardiac diseases including coronary artery disease, angina, myocardial infarction, heart failure, valve diseases, cardiomyopathies, pericardial disorders, arrhythmias, congenital anomalies, and repair procedures is used. Two hours lecture, two hours lab.

CVT 2512. CRITICAL CARE APPLICATIONS (2 hours credit) Designed to familiarize students with characteristics of critically ill cardiopulmonary patients and specific needs of such patients in relation to their particular illness. Two hours lecture.

CVT 2613. NON-INVASIVE CARDIOLOGY I (3 hours credit) An introduction to non-invasive cardiology and those tests performed in this area. In addition, normal and
abnormal heart rhythm and patient safety is presented along with stress tests, Holter monitoring, and an introduction in echocardiography. Two hours lecture, two hours lab.

CVT 2623. NON-INVASIVE CARDIOLOGY II (3 hours credit) A continuation of CVT 2613 Non-invasive Cardiology I. More in-depth study is completed in the areas of non-invasive cardiac testing. Two hours lecture, two hours lab.

CVT 2718. CARDIOVASCULAR CLINICAL I (8 hours credit) Patient assessment and care plan formation are presented in the hospital environment. Clinical experience in all procedures performed in the cardiovascular laboratories, including use of equipment, performing tests, and patient care as it relates to the cardiovascular areas with emphasis on cardiac catheterization, ECG, stress testing, Holter monitoring, and introduction to echocardiography. Twenty-four hours clinical.

CVT 2727. CARDIOVASCULAR CLINICAL II (7 hours credit) Designed for students to gain more in-depth clinical experience in invasive cardiology including pre- and post-cath activities, cardiovascular techniques, hemodynamic monitoring, intra-aortic balloon pump, and cardiac output measurements. Clinical practice in the cardiac catheterization lab includes circulating, scrubbing, recording, and manipulating the imaging equipment during both diagnosis and interventional catheterization procedures. Twenty-one hours clinical.

CVT 2736. CARDIOVASCULAR CLINICAL III (6 hours credit) Designed for students to gain additional clinical experience and polish their skills in the cath lab performing all duties involved in diagnostic and interventional cases. Eighteen hours clinical.

CVT 2812. CARDIOVASCULAR TECHNOLOGY AS A PROFESSIONAL (2 hours credit) The professional relationship of the cardiovascular technologist to other health professionals is presented, along with a basic format for research. Resume preparation and interview skills are also discussed. Students will also present case studies and receive instruction and testing in Advanced Cardiac Life Support (ACLS). Two hours lecture.

Chemistry (CHE)

CHE 1211. GENERAL CHEMISTRY I, LABORATORY (1 hour credit) A laboratory course that contains experiments and exercises that reinforce the principles introduced in CHE 1213 (General Chemistry I, Lecture). Corequisite: concurrent enrollment in CHE 1213.

CHE 1213. GENERAL CHEMISTRY I, LECTURE (3 hours credit) A lecture course that covers the fundamental principles of chemistry and their application. Chemical nomenclature, chemical reactions, stoichiometry, atomic structure, bonding theories, energy, periodic properties, and gas laws are among the topics discussed in depth. Prerequisite: previous credit or concurrent enrollment in MAT 1313 (College Algebra) or higher math course. Corequisite: CHE 1211.

CHE 1221. GENERAL CHEMISTRY II, LABORATORY (1 hour credit) A laboratory course that contains experiments and exercises that reinforce the principles introduced in CHE 1223 (General Chemistry II, Lecture). Corequisite: concurrent enrollment in CHE 1223.

CHE 1223. GENERAL CHEMISTRY II, LECTURE (3 hours credit) A lecture course that covers solutions, kinetics, equilibria, thermodynamics, acid-base chemistry, and electrochemistry. Prerequisite: MAT 1313, CHE 1213, and CHE 1211 with grades of "C" or better. Corequisite: concurrent enrollment in CHE 1221.

CHE 1311. PRINCIPLES OF CHEMISTRY I, LABORATORY (1 hour credit) A laboratory course that contains experiments and exercises that reinforce the principles

CHE 1313. PRINCIPLES OF CHEMISTRY I, LECTURE (3 hours credit) A lecture course that emphasizes basic terminology, measurement, atomic structure, periodic table, chemical bonding, stoichiometry, energy and states of matter. Prerequisite: one year of high school algebra or previous credit or concurrent enrollment in MAT 1233. Corequisite: concurrent enrollment in CHE 1311.

CHE 1321. PRINCIPLES OF CHEMISTRY II, LABORATORY (1 hour credit) A laboratory course that contains experiments and exercises that reinforce the principles introduced in CHE 1323, Principles of Chemistry II, Lecture. Corequisite: concurrent enrollment in CHE 1323.

CHE 1323. PRINCIPLES OF CHEMISTRY II, LECTURE (3 hours credit) A lecture course that emphasizes chemical stoichiometry, gases, solutions, acids/bases, and an introduction to organic chemistry. Prerequisite: successful completion of CHE 1313/1311 with grades of “C” or better. Corequisite: CHE 1321.

CHE 2420. ORGANIC CHEMISTRY I, LABORATORY A laboratory course that contains experiments and exercises that reinforce the principles introduced in CHE 2424, Organic Chemistry I, Lecture. Corequisite: concurrent enrollment in CHE 2424.

CHE 2424. ORGANIC CHEMISTRY I, LECTURE & LABORATORY (4 hours credit) A combined lecture and laboratory course that covers carbon chemistry, bonding structure and behavior, aliphatic compounds, stereochemistry, reaction mechanisms and spectroscopy. Labs associated with this course acquaint students with important manipulations and procedures, and the preparation and study of organic compounds. Prerequisite: successful completion of CHE 1223/1221 with grade “C” or better. Corequisite: concurrent enrollment in CHE 2420.

CHE 2430. ORGANIC CHEMISTRY II, LABORATORY A laboratory course that contains experiments and exercises that reinforce the principles introduced in CHE 2434, Organic Chemistry II, Lecture. Corequisite: concurrent enrollment in CHE 2434.

CHE 2434. ORGANIC CHEMISTRY II, LECTURE & LABORATORY (4 hours credit) A combined lecture and laboratory course that covers spectroscopy, aromatic compounds, and other complex compounds with emphasis on reactions and their mechanisms. Labs associated with this course acquaint students with important manipulations and procedures, as well as the preparation and study of aromatic and complex organic compounds. Prerequisite: successful completion of CHE 2424 with grade “C” or better. Corequisite: concurrent enrollment in CHE 2430.

Civil Engineering Technology (CIT)

CIT 1114. ROUTE SURVEYING (4 hours credit) This course teaches highway route design and factors in route location. The calculation and layout of simple horizontal and vertical curves, grades, and related earthwork are covered. Modern surveying, measuring, and mapping instruments, including electronic total stations with data collectors, are used. Photogrammetry principles and applications are studied in a practical setting. Two hours lecture, four hours lab. Prerequisite: Elementary Surveying (DDT 1413).

CIT 1213. ROAD DESIGN AND CONSTRUCTION METHODS AND MATERIALS (3 hours credit) A study of equipment, construction methods, and materials used in the construction of roadways and drainage structures. Three hours lecture.

CIT 1223. ROAD CONSTRUCTION PLANS AND SPECIFICATIONS (3 hours credit) A course to provide students with an introduction to the plans, and specifications for construction of streets and highways. Includes instruction in the in-
terpretation of plans and specifications, the bidding process, and calculation of material and labor costs. Three hours lecture.

DDT/CIT 1413. ELEMENTARY SURVEYING (3 hours credit) Basic course dealing with principles of geometry, theory and use of instruments, mathematical calculations, and the control and reduction of errors. One hour lecture, four hours lab. Prerequisite: None.

CIT 2113. LEGAL PRINCIPLES OF SURVEYING (3 hours credit) A study of the legal aspects of boundary controls for the survey and resurvey of real property. Two hours lecture, two hours lab. Prerequisite: Land Surveying Lab (CIT 2434).

CIT 2124. ADVANCED SURVEYING PRACTICES (4 hours credit) A course designed to provide the student with practical applications of skills and knowledge gained in other surveying and related courses. Two hours lecture, four hours lab. Prerequisites: Elementary Surveying (DDT 1413), Route Surveying (CIT 1114), Land Surveying Lab (CIT 2434).

CIT 2413. CONCRETE AND HOT MIX ASPHALT TESTING (3 hours credit) A course which emphasizes standard procedures for sampling, testing, and evaluating materials used in concrete and hot mix asphalt mixtures. Two hours lecture, two hours lab.

DDT/CIT 2423. MAPPING AND TOPOGRAPHY LAB (3 hours credit) Selected drafting techniques are applied to the problem of making maps, traverses, plot plans, plan and profile drawing using maps, field survey data, aerial photographs and related references, materials including symbols, notations, and other applicable standardized materials. One hour lecture, four hours lab. Prerequisites: Fundamentals of Drafting (DDT 1114), and Principles of CAD (DDT 1313).

CIT 2424. GPS/GIS SURVEYING (4 hours credit) This course teaches principles of surveying utilizing artificial earth orbit satellites and digitizing the information obtained to establish a useful data base. Three hours lecture, two hours lab. Prerequisites: Elementary Surveying (DDT 1413), Route Surveying (CIT 1114), and Land Surveying Lab (CIT 2434).

CIT 2434. LAND SURVEYING LAB (4 hours credit) This course teaches aspects of boundary controls, principles for land surveying, methods of land boundary location, and land description in accordance with original surveys and resurveys. One hour lecture, six hours lab. Prerequisite: Elementary Surveying (DDT 1413).

CIT 291 (1-3). SPECIAL PROJECT (CIVIL ENGINEERING TECHNOLOGY) (1-3 hours credit) A course designed to provide the student with practical application of skills and knowledge gained in other Civil Engineering Technology courses. The instructor works closely with the student to insure that the selection of a project will enhance the student’s learning experience. Two-six hours lab. Prerequisites: Minimum of 12 credit hours Civil Engineering Technology related courses.

Collision Repair Technology (ABT)

ABT 1143. STRUCTURAL ANALYSIS AND DAMAGE REPAIR I (3 hours credit) A course to provide skills and practice in welding and cutting procedures that are used in the collision repair industry. This course also covers the complete inspection and non-structural analysis of damaged vehicles. It is designed to enable the student to determine the conditions and severity of the damage, the repair or replacement of parts, the estimated repair time and correct use of reference manuals. Two hours lecture, two hours lab.
ABT 1153. STRUCTURAL ANALYSIS AND DAMAGE REPAIR II (3 hours credit) This course is a continuation of ABT 1143, Structural Analysis and Damage Repair I. This course provides instruction and practice in the removal and reinstallation of glass. Two hours lecture, Two hours lab.

ABT 1223. NON-STRUCTURAL ANALYSIS AND DAMAGE REPAIR I (3 hours credit) A course in the procedures and practices for metal finishing and body filling. This course also covers the complete inspection and non-structural analysis of damaged vehicles. It is designed to enable the student to determine the conditions and severity of the damage, the repair or replacement of parts, the estimated repair time and correct use of reference manuals. Two hours lecture, two hours lab.

ABT 1233. NON-STRUCTURAL ANALYSIS AND DAMAGE REPAIR II (3 hours credit) This course is a continuation of ABT 1223, Non-Structural Analysis and Damage Repair I. This course provides instruction for preparation principles and practices. One hour lecture, four hours lab.

ABT 1314. REFINISHING I (4 hours credit) A course to provide skills and practices in vehicle preparation, cleaning, sanding, metal treatment, and masking. Included is determining imperfections in paint jobs. Emphasis is placed upon personal safety and environmental concerns. Two hours lecture, four hours lab.

ABT 1323. REFINISHING II (3 hours credit) A continuation of ABT 1314, Refinishing I. Included are types of paint defects and paint gun application and maintenance procedures. One hour lecture, four hours lab.

ABT 1443. MECHANICAL AND ELECTRICAL COMPONENTS I (3 hours credit) A course designed to provide theory and practice in the areas of restraint systems, cooling systems and air conditioning/heating systems. An introduction to small business management techniques as applied to the collision repair shop. Includes computer information and record systems. Also included are financial responsibilities, shop layout, inventory and employee-employer relations. Three hours lecture.

ABT 1453. MECHANICAL AND ELECTRICAL COMPONENTS II (3 hours credit) A course designed to provide theory and practice in the area of brakes and electrical. Three hours lecture.

Commercial Truck Driving (DTV)

DTV 1119. COMMERCIAL TRUCK DRIVING I (9 hours credit) An eight-week course to provide fundamental instruction on safety, rules and regulations, driving practices, air brakes, hazardous materials, and emergencies. This course also includes instruction and practice in performing vehicle inspections, coupling and uncoupling, maneuvering, backing, and driving a tractor-trailer truck under varying road and climate conditions. Six hours lecture, 24 hours lab.

Communications/Broadcasting (COM)

COM 2463. WRITING FOR THE ELECTRONIC MEDIA (3 hours credit) Introductory course to teach the basic skills of broadcast writing, reporting and production.

COM 2483. INTRODUCTION TO MASS COMMUNICATION (3 hours credit) A study of the history, organization, mechanics and issues facing the various mass media. Designed to help the student understand the role of mass media in society and how it affects everyday life.
Computer Science (CSC)

CSC 1113. COMPUTER CONCEPTS (3 hours credit) A computer competency course which introduces concepts, terminology, operating systems, electronic communications, and applications. Concepts are demonstrated and supplemented by hands-on computer use. Three hours lecture/lab.

CSC 1123. COMPUTER APPLICATIONS I (3 hours credit) This course is designed to teach computer applications to include word processing, electronic spreadsheet, database management, presentation design, and electronic communications. Three hours lecture/lab. Prerequisite: CSC 1113, IC3 certification, or successful performance on Accuplacer for computer literacy.

CSC 1133. COMPUTER APPLICATIONS II (3 hours credit) This course is a continuation of CSC 1123 with concentration in advanced computer applications to include OLE, Macros, and emerging technology. Three hours lecture/lab.

CSC 1213. VISUAL BASIC PROGRAMMING I (3 hours credit) This course is designed to introduce the writing of event-driven programs using the Visual BASIC computer programming language with emphasis on problem solving, documentation, program statements, algorithms, and common routines. Three hours lecture/lab.

CSC 1223. VISUAL BASIC PROGRAMMING II (3 hours credit) This course is a continuation of CSC 1213 with advanced event-driven programming concepts using the Visual BASIC computer programming language with emphasis on functions, modules, search and sort algorithms, sequential access, random access, and external file management. Three hours lecture/lab. Prerequisite: CSC 1213 with a grade of “C” or higher.

CSC 1613. COMPUTER PROGRAMMING I (JAVA) (3 hours credit) Introduction to problem-solving methods and algorithm development; designing, debugging, looping, scope rules, functions, and a variety of applications in an object-oriented programming language. Three hours lecture/lab. Prerequisite or corequisite: MAT 1313 or permission of instructor.

CSC 2134. COMPUTER PROGRAMMING I WITH “C++” (4 hours credit) An introduction to problem-solving methods, algorithm development, designing, debugging, and documentation in the C++ language with a variety of applications including: I/O statements, arithmetic, logical, conditional, looping, methods/functions, and array processing. Three hours lecture with CSC 2130 as lab. Prerequisite or corequisite: MAT 1313 or permission of instructor.

CSC 2144. COMPUTER PROGRAMMING II WITH “C++” (4 hours credit) Continued program and algorithm development and analysis; search/sort methods; abstract data types and object-oriented design; designing and debugging larger programs using the C++ language. Three hours lecture with CSC 2140 as lab. Prerequisite: A grade of “C” or better in CSC 2134.

CSC 2623. COMPUTER PROGRAMMING II (JAVA) (3 hours credit) Continuation of the object-oriented language from CSC 1613 and advanced program development, algorithm analysis, string processing, recursion, internal search/sort methods, simple data structures, debugging and testing of large programs. Three hours lecture/lab. Prerequisite: A grade of “C” or better in CSC 2163.

CSC 2844. DATA STRUCTURES (4 hours credit) Advanced data structures and their representation; advanced data abstraction and corresponding algorithms; memory management; trees and graphs; search and sort techniques; symbol tables and indexes; classes of algorithms. Three hours lecture with CSC 2840 as lab. Prerequisite: A grade of “C” or better in CSC 2144 or CSC 2623.
Cosmetology (COV)

COV 1122. COSMETOLOGY ORIENTATION (2 hours credit) This course will cover the history, career opportunities, life skills, professional image, Mississippi Cosmetology laws, rules and regulations, and communicating for success in the cosmetology industry. Two hours lecture, two hours lab.

COV 1245. COSMETOLOGY SCIENCES I (5 hours credit) This course consists of the study of bacteriology, sterilization, and sanitation. Three hours lecture, six hours lab.

COV 1426. HAIR CARE I (6 hours credit) This course consists of the study of properties of the hair and scalp; principles of hair design; shampooing, rinsing, and conditioning; haircutting; hairstyling; braiding and braid extensions; wigs and hair enhancements; chemical texture services; and hair coloring. Two hours lecture, 12 hours lab.

COV 1522. NAIL CARE I (2 hours credit) This course consists of basic nail care services including nail structure and growth, manicuring and pedicuring, and advanced nail techniques. One hour lecture, three hours lab.

COV 1436. HAIR CARE II (6 hours credit) This course consists of the advanced study of properties of the hair and scalp; principles of hair design; shampooing, rinsing, and conditioning; haircutting; hairstyling; braiding and braid extensions; wigs and hair enhancements; chemical texture services; and hair coloring. Two hours lecture, 12 hours lab.

COV 1532. NAIL CARE II (2 hours credit) This course consists of basic nail care services including nail structure and growth, manicuring and pedicuring, and advanced nail techniques. One hour lecture, three hours lab.

COV 1255. COSMETOLOGY SCIENCES II (5 hours credit) This course consists of the study of anatomy and physiology. Three hours lecture, four hours lab.

COV 1622. SKIN CARE I (2 hours credit) This course consists of the introduction to basic skin care services including anatomy of skin, disorders of skin, hair removal, facials, and facial makeup. One hour lecture, three hours lab.

COV 1632. SKIN CARE II (2 hours credit) This course consists of basic skin care services including anatomy of skin, disorders of skin, hair removal, facials, and facial makeup. One hour lecture, three hours lab.

COV 1443. HAIR CARE III (3 hours credit) This course consists of the practical applications of the study of properties of the hair and scalp; principles of hair design; shampooing, rinsing, and conditioning; haircutting; hairstyling; braiding and braid extensions; wigs and hair enhancements; chemical texture services; and hair coloring. Nine hours lab.

COV 1542. NAIL CARE III (2 hours credit) This course consists of basic nail care services including nail structure and growth, manicuring and pedicuring, and advanced nail techniques. Six hours lab.

COV 1263. COSMETOLOGY SCIENCES III (3 hours credit) This course consists of the application and demonstration of chemistry, and electricity. Two hours lecture, three hours lab.

COV 1732. SALON BUSINESS II (2 hours credit) This course will cover operating a successful salon and seeking employment. One hour lecture, three hours lab.

COV 1642. SKIN CARE III (2 hours credit) This course consists of advanced skin care services including anatomy of skin, disorders of skin, hair removal, facials, and facial makeup. Six hours lab.
Criminal Justice (CRJ)

CRJ 1313. INTRODUCTION TO CRIMINAL JUSTICE (3 hours credit) History, development, and philosophy of law enforcement in a democratic society; introduction to agencies involved in the administration of criminal justice; and career orientation.

CRJ 1323. POLICE ADMINISTRATION AND ORGANIZATION (3 hours credit) Principles of organization and administration in law enforcement as applied to law enforcement agencies; introduction to concepts of organizational behavior.

CRJ 1353. PRACTICUM IN CRIMINAL JUSTICE (3 hours credit) Practicum in an approved criminal justice agency under supervision of the agency concerned and college instructor. Written evaluation required of agency.

CRJ 1363. INTRODUCTION TO CORRECTIONS (3 hours credit) An overview of the correctional field; its origins, historical and philosophical background, development, current status, relationship with other facets of the criminal justice system and future prospects.

CRJ 1373. INTRODUCTION TO HOMELAND SECURITY (3 hours credit) The issues pertaining to the role and mission of the Department of Homeland Security and related agencies, both domestic and international.

CRJ 1383. CRIMINOLOGY (3 hours credit) The nature and significance of criminal behavior. Theories, statistics, trends, and programs concerning criminal behavior are covered.

CRJ 2313. POLICE OPERATIONS (3 hours credit) A study of the operation and administration of law enforcement agencies. Particular emphasis is placed on the functions of the patrol division.

CRJ 2323. CRIMINAL LAW (3 hours credit) Basic elements of criminal law under the Constitution of the United States, state Constitutions, and federal and state statutes.

CRJ 2333. CRIMINAL INVESTIGATION (3 hours credit) Principles of investigation, search and recording, collection and preservation of evidence, fingerprinting, photography, sources of information, interviews, interrogation, and investigative problems in major crimes.

CRJ 2513. JUVENILE JUSTICE (3 hours credit) Organization, functions, and jurisdiction of juvenile agencies. Processing, detention, and disposition of cases. Statutes and court procedures applied to juveniles.

CRJ 2713. FOUNDATIONS OF TERRORISM (3 hours credit) Survey of the role of the criminal justice professional in combating terrorism in the modern world.

Drafting and Design Engineering Technology (DDT)

DDT 1114. FUNDAMENTALS OF DRAFTING (4 hours credit) A course designed to give drafting majors the background needed for all other drafting courses. Two hours lecture, four hours lab. Corequisite: DDT 1313.

DDT 1313. PRINCIPLES OF CAD (3 hours credit) This course will introduce the student to the operating system and how to perform basic drafting skills on the CAD. Two hours lecture, two hours lab. Corequisite: DDT 1114.

DDT 1323. INTERMEDIATE CAD (3 hours credit) This course is designed as a continuation of Principles of CAD to expand the knowledge of CAD drawing capabilities. Two hours lecture, two hours lab. Prerequisites: DDT 1313 and DDT 1114.

DDT 1413. ELEMENTARY SURVEYING (3 hours credit) Basic course dealing with principles of geometry, theory, and use of instruments, mathematical calculations, and the control and reduction of errors. One hour lecture, four hours lab.
DDT 2343. ADVANCED CAD (3 hours credit) This course is designed as a continuation of Intermediate CAD. Emphasis is placed on attributes, slide shows, the user coordinate system, 3-D surface modeling, and 3-D solid modeling. One hour lecture, four hours lab. Prerequisite: DDT 1323.

DDT 2423. MAPPING AND TOPOGRAPHY LAB (3 hours credit) Selected drafting techniques are applied to the problem of making maps, traverses, plot plans, plan and profile drawing using maps, field survey data, aerial photographs and related references, materials including symbols, notations, and other applicable standardized materials. Two hours lecture, two hours lab. Prerequisites: DDT 1114 and DDT 1313.

Early Childhood Education Technology (CDT)

CDT 1113. EARLY CHILDHOOD PROFESSION (3 hours credit) This course is an introduction to the profession of early childhood, types of early childhood programs, and theories of child development. Students are required to observe, assess, and record child behavior through laboratory experience. Room arrangements, software, play, and safety are some of the topics explored. Three hours lecture.

CDT 1214. CHILD DEVELOPMENT I (4 hours credit) This course provides knowledge concerning the care and development of infants and toddlers in group settings. Practice is given in infant and toddler caregiving in group settings through classroom laboratory or collaborative centers. Three hours lecture, two hours lab.

CDT 1224. CHILD DEVELOPMENT II (4 hours credit) The cognitive, physical, emotional, and social developmental characteristics of young children (ages 3 through 8). Three hours lecture, two hours lab.

CDT 1314. CREATIVE ARTS FOR YOUNG CHILDREN (4 hours credit) Planning and developing creative art activities with children birth to age 8. Activities will be implemented during Student Teaching I and II. Three hours lecture, two hours lab.

CDT 1343. CHILD HEALTH AND SAFETY (3 hours credit) Health and safety practices in the care and education of young children. Includes health and safety issues such as first aid, CPR, universal precautions, communicable diseases, and child abuse. Three hours lecture.

CDT 1513. NUTRITION FOR YOUNG CHILDREN (3 hours credit) A course focusing on fundamental principles of child nutrition and the practical application of this knowledge in the selection of balanced diets. Two hours lecture, two hours lab.

CDT 1713. LANGUAGE AND LITERACY DEVELOPMENT FOR YOUNG CHILDREN (3 hours credit) A study of language development and the implementation of a developmentally appropriate language arts curriculum for young children. Three hours lecture.

CDT 2233. GUIDING SOCIAL AND EMOTIONAL BEHAVIOR (3 hours credit) Identifying and practicing positive and effective techniques in guiding young children's behavior. Lab activities will be implemented during Student Teaching I and II. Three hours lecture.

CDT 2413. ATYPICAL CHILD DEVELOPMENT (3 hours credit) A course that provides information concerning growth and development, identification, intervention strategies, and management of atypical children. Legal, ethical, legislative and family issues will be explored. Three hours lecture.

CDT 2613. METHODS AND MATERIALS (3 hours credit) Appropriate methods and materials for young children in a learning environment. Lab activities with the children are implemented during Student Teaching I and II. Three hours lecture.

CDT 2714. SOCIAL STUDIES, MATH, AND SCIENCE FOR YOUNG CHILDREN (4 hours credit) Planning developmentally appropriate activities in social stud-
ies, math, and science for the young child. Lab activities with the children are implemented during Student Teaching I and II. Three hours lecture, two hours lab.

**CDT 2813. ADMINISTRATION OF PROGRAMS FOR YOUNG CHILDREN** (3 hours credit) Development and administration of programs for young children to include an emphasis on evaluation of policies and procedures, organizational structure, and management. Three hours lecture.

**CDT 2915. STUDENT TEACHING I** (5 hours credit) This course allows child development students to implement knowledge and experience in preparing and implementing positive experiences for young children. Completion of the competencies provides opportunities for students to implement experiences planned in the prerequisites and ensures a balance of all curriculum areas. Not all competencies will be achieved at the end of this course due to the variance that exists in the childhood settings used for student experiences. Other competencies will be achieved and documented by the end of the two-year program of study. Five hours lab.

**CDT 2925. STUDENT TEACHING II** (5 hours credit) This course is a continuation of Student Teaching I allowing advanced child development students to implement knowledge and experience in preparing and implementing positive experiences for young children. Completion of the competencies provides opportunities for students to implement experiences planned in the prerequisites and ensures a balance of all curriculum areas. All competencies will be achieved and documented by the completion of the two student teaching courses. Five hours lab.

**Economics (ECO)**

**ECO 2113. PRINCIPLES OF MACROECONOMICS** (3 hours credit) The study of a nation’s economy to include the following topics: supply and demand, production possibilities, monetary and fiscal policies, factors of production, GDP/business cycles and economic growth, circular flow of market economies and international trade.

**ECO 2123. PRINCIPLES OF MICROECONOMICS** (3 hours credit) The study of firms, industries and consumers to include the following topics: supply and demand, elasticity of demand and supply, consumer choice theory, production and cost theory and market structures.

**Education (EPY)**

**EPY 2513. CHILD PSYCHOLOGY** (3 hours credit) A study of the various aspects of human growth and development during childhood. Topics include physical, psychosocial and cognitive development from conception into emerging adolescence.

**EPY 2523. ADOLESCENT PSYCHOLOGY** (3 hours credit) A study of human growth and development during adolescence. This includes physical, cognitive and psychosocial development.

**EPY 2533. HUMAN GROWTH AND DEVELOPMENT** (3 hours credit) A study of human growth and development from conception through late adulthood, including death and dying. Topics include physical, psychosocial and cognitive development.

**Electrical Technology (ELT)**

**ELT 1192. FUNDAMENTALS OF ELECTRICITY** (2 hours credit) This course is designed to provide fundamental skills associated with all electronics courses. Includes safety, basic tools, special tools, equipment, and introduction to simple AC and DC circuits. Two hours lecture, one hour lab.

**ELT 1191. FUNDAMENTALS OF ELECTRICITY LABORATORY** (1 hour credit) Selected projects to illustrate and cover topics in ELT 1192.

**ELT 1343. FUNDAMENTALS OF INSTRUMENTATION** (3 hours credit) This
course provides students with a general knowledge of instrumentation principles as they relate to industrial devices and their application for the purpose of observation, measurement, and control of industrial processes. Two hours lecture, two hours lab. Prerequisite: DC Circuits (EET 1114) and AC Circuits (EET 1123).

ELT 2623. ADVANCED PROGRAMMABLE LOGIC CONTROLLERS (3 hours credit) A course that provides instruction in the advanced features, programming functions and instructions, network communications, PLC report processing, and system troubleshooting of programmable logic controllers. Two hours lecture, two hours lab. Prerequisite: Programmable Logic Controllers (EET 2363) and Motor Control Systems (EET 1343).

Emergency Medical Technology-Paramedic (EMS)
EMS 1122. INTRODUCTION TO EMS SYSTEMS (2 hours credit) This course introduces the student to the EMS systems, roles and responsibilities of the paramedic, well being of the paramedic, illness and injury prevention, medical-legal issues, ethical issues, therapeutic communications, and life span development. One hour lecture, two hours lab.
EMS 1314. AIRWAY MANAGEMENT: RESPIRATIONS & OXYGENATION (4 hours credit) This course will provide the student with the essential knowledge to attain a patent airway and manage the respiratory system using advanced techniques. Two hours lecture, six hours lab.
EMS 1414. PATIENT ASSESSMENT (4 hours credit) This course will teach comprehensive history taking and physical exam techniques. Two hours lecture, six hours lab.
EMS 1513. EMS PRACTICUM I (3 hours credit) This course will provide clinical training on the skills and knowledge obtained in the classroom and laboratory. This will be a supervised activity carried out in the clinical setting at approved sites with a preceptor.
EMS 1825. CARDIOLOGY (5 hours credit) This course will teach a comprehensive approach to the care of the patient with acute and complex cardiovascular compromise. Two hours lecture, six hours lab.
EMS 1613. PHARMACOLOGY (3 hours credit) This course will teach comprehensive pharmacodynamics and pharmacokinetics. One hour lecture, four hours lab.
EMS 2855. MEDICAL (5 hours credit) This course will provide a detailed understanding of the anatomic structures, physiology, and pathophysiology encountered when providing care in medical emergencies involving pulmonary, allergy and anaphylaxis, gastroenterology, renal urology, hematology, neurology, endocrinology, toxicology, and environmental emergencies. Two hours lecture and six hours lab. Two hours lecture and six hours lab.
EMS 1523. EMS PRACTICUM II (3 hours credit) This course will provide clinical training on the skills and knowledge obtained in the classroom and laboratory. This will be a supervised activity carried out in the clinical setting at approved sites with a preceptor.
EMS 2714. TRAUMA (4 hours credit) This course will provide advanced instruction in the integration of pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for a suspected trauma patient. Two hours lecture, four hours lab.
EMS 2423. PEDIATRICS AND OBSTETRICS (3 hours credit) This course will provide a detailed understanding of the anatomic structures, physiology, and pathophysiology encountered when providing care in pediatric emergencies as well as gynecological/obstetrical emergencies. Two hours lecture, two hours lab.
EMS 2412. NEW MATERNAL/CHILD EMERGENCIES (2 hours credit) This course will provide a detailed understanding of the anatomic structures, physiology, and pathophysiology encountered when providing care in new maternal and child emergencies. One hour lecture, two hours lab.
EMS 2913. EMS OPERATIONS (3 hours credit) This course teaches the skills necessary to manage complex and/or multipatient situations. One hour lecture, four hours lab.
EMS 1423. SPECIAL PATIENT POPULATIONS (3 hours credit) This course will provide a comprehensive overview of providing care for the patient with special needs. One hour lecture, four hours lab.

EMS 2555. EMS PRACTICUM III (5 hours credit) This course provides clinical training in the skills and knowledge obtained in the classroom with an emphasis on leadership skills. This will be supervised activity carried out in the field setting at approved sites with a preceptor.

Engineering (EGR)

EGR 2413. ENGINEERING MECHANICS I: STATICS (3 hours credit) A lecture course covering the equilibrium of point objects and extended objects in two and three dimensions using vector algebra. Also discussed are distributed forces, structures, friction, and moments of inertia in two and three dimensions. Prerequisite: PHY 2513.

English (ENG)

ENG 0113. BEGINNING ENGLISH AND READING (3 hours credit) An integrated course designed to develop basic writing skills and reading strategies. Required for students whose preparation is inadequate for ENG 1113 English Composition I. Placement is based on the English ACT sub-score or performance on the NWCC English Writing Exam. Three lecture hours. For institutional credit only. Hours do not count toward graduation and will not transfer. A grade of “C” or better is required to pass and to move on into ENG 1113. Students making a “D” or “F” must remain in ENG 0113.

ENG 1113. ENGLISH COMPOSITION I (3 hours credit) This course prepares the student to think critically and compose texts for academic and professional rhetorical situations. Prerequisite: ACT English sub-score of 17 or above, or ENG 0113 with a grade of “C” or higher.

ENG 1123. ENGLISH COMPOSITION II (3 hours credit) A continuation of ENG 1113 with emphasis on research, argumentation and composition. Readings, essays, and a research paper are required. Prerequisite: ENG 1113.

ENG 2133. CREATIVE WRITING I (3 hours credit) This course involves reading and writing poetry, short fiction, creative nonfiction, and/or drama. Prerequisite: ENG 1113.

ENG 2143. CREATIVE WRITING II (3 hours credit) A continuation of reading and writing poetry, short fiction, creative non-fiction, and/or drama. Elective. Prerequisite: ENG 1113.

ENG 2223. AMERICAN LITERATURE I (3 hours credit) A survey of representative prose and poetry of the United States from its beginnings to the Civil War. Prerequisite: ENG 1123.

ENG 2233. AMERICAN LITERATURE II (3 hours credit) A survey of representative prose and poetry of the United States from the Civil War to the present. Prerequisite: ENG 1123.

ENG 2323. BRITISH LITERATURE I (3 hours credit) A survey of British Literature from the Anglo-Saxon Period through the Restoration and 18th Century. Prerequisite: ENG 1123.

ENG 2333. BRITISH LITERATURE II (3 hours credit) A survey of British Literature from the Romantic Period through the 20th Century. Prerequisite: ENG 1123.

ENG 2423. WORLD LITERATURE I (3 hours credit) A survey of texts representative of global and historical diversity from the ancient world through the early modern world. Prerequisite: ENG 1123.
ENG 2433. WORLD LITERATURE II (3 hours credit) A survey of texts representative of global and historical diversity from the Enlightenment Period to the present. Prerequisite: ENG 1123.

ENG 2513. SURVEY OF AFRICAN-AMERICAN LITERATURE (3 hours credit) A survey of the literature of major African-American writers from its Vernacular Tradition to the present. Prerequisite: ENG 1113.

ENG 2613. THE FILM AS LITERATURE (3 hours credit) An introduction to the aesthetic elements of film through the study of current and classic motion pictures as forms of literary and cinematic expression. Elective. Prerequisite: ENG 1113.

Family & Consumer Science (FCS)

FCS 1253. NUTRITION (3 hours credit) A study of nutrients required for growth and optimal health emphasizing recommended nutrient intake, food selection, digestion, absorption, transport, metabolism and body functions. (Same as BIO 1613)

Funeral Service Technology (FST)

FST 1113. MORTUARY ANATOMY I (3 hours credit) A study of human anatomical structure with orientation to the embalming process. Three hours lecture, one hour lab.

FST 1123. MORTUARY ANATOMY II (3 hours credit) Emphasis on circulatory, excretory, endocrine, and digestive systems. Three hours lecture, one hour lab. Prerequisite: Mortuary Anatomy I (FST 1113).

FST 1213. EMBALMING I (3 hours credit) Basic orientation to embalming. Included are the physical and chemical changes in the dying process; the study of the vascular system, or case analysis and the moral and ethical considerations in preparation of human remains; and a study of the chemical compositions of embalming fluid. Three hours lecture, one hour lab.

FST 1224. EMBALMING II (4 hours credit) Emphasis on special problems encountered in embalming. Procedures and techniques for preservation, disinfection, and restoration of the dead human body. Participate in 10 clinical embalming cases. Three hours lecture, one hour lab, and one hour clinical. Prerequisite: Embalming I (FST 1213).

FST 1313. FUNERAL DIRECTING (3 hours credit) The total funeral service education environment. Includes duties, responsibilities, and skills required to be a funeral director. Three hours lecture.

FST 1413. FUNERAL SERVICE ETHICS AND LAW (3 hours credit) Comprehensive review of the legal aspects involved in funeral services. Three hours lecture, one hour lab.

FST 1523. RESTORATIVE ART/COLOR AND COSMETICS (3 hours credit) An in-depth study of anatomical modeling, including familiarization with instruments, materials, and techniques of rebuilding human features. Study of color theory, cosmetics, and application of restorative techniques in the funeral setting. Three hours lecture, one hour lab.

FST 2323. FUNERAL MERCHANDISING AND MANAGEMENT (3 hours credit) Study of merchandising and general business procedures necessary to operate a successful funeral practice. Three hours lecture, one hour lab.
FST 2623. MICROBIOLOGY (3 hours credit) Microbiology is the study that concentrates on those organisms that are related to disease formation and in particular, those that are of interest to the mortuary service. Three hours lecture, one hour lab.

FST 2633. PATHOLOGY (3 hours credit) Pathology is the study of disease—specifically, the study of the structure and function of the body as it is affected by disease. Three hours lecture, one hour lab.

FST 2713. PSYCHOSOCIAL ASPECTS OF GRIEF (3 hours credit) A study of various groups as to their relationship to the funeral, death, and disposition. Includes psychological aspects of emotions with emphasis on counseling techniques and grief resolution. Three hours lecture.

FST 2812. COMPREHENSIVE REVIEW (2 hours credit) Review of entire curriculum, culminating with an exam designed to prepare students for the national board or various state board examinations. Two hours lab. Prerequisites: Student must be in their final semester, have a GPA of 2.0 or better and permission from the program director.

Geographical Information Technology (GIT)

GIT 2113. DATABASE CONSTRUCTION AND MAINTENANCE (3 hours credit) A course designed to teach database concepts and goals of database management systems, and relational, hierarchical, and network models of data. Included are Structured Query Language (SQL) and methods of organizing and accessing data. (3,2,2).

GIT 2123. FUNDAMENTALS OF GEOGRAPHICAL INFORMATION SYSTEMS (3 hours credit) This course includes the use of computer mapping and database in multiple applications. Included are incorporation of imagery and data into a graphical oriented database system. Also included are the fundamentals of geographical information systems techniques, approaches, and applications. (3,2,2).

GIT 2273. REMOTE SENSING (3 hours credit) This course includes a discussion of a variety of remote sensing data collections methods. The course deals with manual interpretation data from photographs and other imagery (3,2,4).

GIT 2333. INTRODUCTION TO ARCVIEW (3 hours credit) This course provides the foundation for developing a geographic information system using ArcView software. The course gives students the conceptual overview and hands-on experience needed to take full advantage of ArcView software’s display analysis and presentation mapping functions. Students learn basic ArcView functionality and become familiar with the components of the ArcView graphical user interface.

Geography (GEO)

GEO 1113. WORLD REGIONAL GEOGRAPHY (3 hours credit) A regional survey of the basic geographic features and major new developments of the nations of the world. Three hours lecture.

GEO 1123. PRINCIPLES OF GEOGRAPHY (3 hours credit) A course which deals with the basic content of geography, planetary relationships of the earth, interpretation and use of maps, elements of weather and climate, regional distribution of climatic elements and the interrelationship of man’s physical and cultural landscapes. Three hours lecture.
Graphic Design Technology (CAT)

CAT 1113. GRAPHIC DESIGN AND PRODUCTION I (3 hours credit) An introduction to the skills of layout, typography and the fundamentals needed for the graphic artist. The course will provide selected experiences involving layout, paste up, simple renderings, printing processes, camera ready layouts, mechanicals, and layout formats. Six hours lab.

CAT 1123. GRAPHIC DESIGN AND PRODUCTION II (3 hours credit) A continuation of Graphic Design and Production I with concentration on color printing, industry terminology and standards, corporate identity, and branding with continued emphasis on design, typography, and balance. The course will utilize current computer technology. Six hours lab. Prerequisites: CAT 1113, CAT 1143, CAT 1213, CAT 2313.

CAT 1143. TYPOGRAPHY (3 hours credit) A comparison of traditional uses of typography with those of a more contemporary approach. This is an in-depth exploration of type in relation to meaning and form with a refined application of drawing skills before final output on computer. Two hours lecture, two hours lab.

CAT 1213. FUNDAMENTALS OF GRAPHIC COMPUTERS (3 hours credit) An introduction to graphic interface computers related to the graphic design/commercial art industry, utilizing current software and related hardware. One hour lecture, four hours lab.

CAT 2133. GRAPHIC DESIGN STUDIO (3 hours credit) A concentrated study in graphic design specifically related to regional industry needs. Emphasis will be placed on projects such as brochures, billboards, newsletters, flyers, newspaper ads, storyboards, etc., according to industry needs. One hour lecture, four hours lab. Prerequisites: CAT 1113, CAT 1143, CAT 1213, CAT 2313.

CAT 2313. BASIC ADVERTISING DESIGN (3 hours credit) Concepts and methodology related to the graphic design/commercial art industry utilizing current software and related hardware. Six hours lab.

CAT 2323. ADVANCED ADVERTISING DESIGN (3 hours credit) A continuation of Basic Advertising Design with emphasis on graphic computers to develop and produce advanced graphic design/commercial art projects. This course utilizes equipment and software used in industry. Six hours lab. Prerequisites: CAT 1113, CAT 1143, CAT 1213, CAT 2313.

CAT 2334. PRACTICAL ADVERTISING TECHNIQUES (4 hours credit) Performance skills needed for productive employment in the graphic design/commercial art field. Two hours lecture, four hours lab. Prerequisites: CAT 1113, CAT 1143, CAT 1213, CAT 2313.

CAT 291 (1-6), SPECIAL PROJECT IN GRAPHIC DESIGN TECHNOLOGY I (1-6 hours credit) Practical applications of skills and knowledge gained in other Graphic Design Technology courses. The instructor works closely with the student to ensure that selection of a special project enhances the student’s learning experience. Four to five contact hours.

CAT 292 (1-6), SUPERVISED WORK EXPERIENCE IN GRAPHIC DESIGN TECHNOLOGY (1-6 hours credit) This course is a cooperative program between industry and education and is designed to integrate the student’s technical studies with industrial experience. Variable credit is awarded on the basis of one semester hour per 45 industrial contact hours. Three to 18 hours externship. Prerequisites: Consent of instructor and the completion of two semesters of coursework in the Graphic Design Technology program.

WDT 1123. WEB DEVELOPMENT (3 hours credit) Introduces the Internet and its uses in the world of business, including basic and advanced features of the Internet,
World Wide Web, browsers, and creating web pages. Upon completion of this course, students will be able to send e-mail messages, download files using a browser and an FTP program and create web pages using HTML.

WDT 1314. CLIENT SIDE PROGRAMMING (4 hours credit) This course offers an introduction to Javascript programming and CSS. Upon completion students will be able to create Javascript programs, insert them into web pages and use CSS to control the appearance of a web page. Prerequisite: WDT 1123.

WDT 1414. WEB DESIGN APPLICATIONS (4 hours credit) This course offers skills and strategies to create various professional web pages and complete websites using WYSIWYG editors (Dreamweaver, Wordpress). Upon completion the student will be able to construct and maintain professional standard websites. Prerequisite: WDT 1123.

WDT 2723. E-COMMERCE AND INTERNET MARKETING (3 hours credit) Provides the opportunity to develop strategies and skills to build e-commerce websites and understand their role in business infrastructures. Also offers an introduction into Internet marketing. On completion the student will be able to create an e-commerce website and develop an Internet marketing strategy.

Graphics and Drawing (GRA)

GRA 1140. GRAPHIC COMMUNICATIONS LABORATORY (0 hours credit) As a continuation of the GRA 1143 Graphic Communications course, the laboratory portion contains instruction and practical applications necessary for the utilization of CAD (Computer Aided Drawing) software to reinforce and apply the principles, standards and techniques to produce technical drawings as discussed in the lecture portion of the course.

GRA 1143. GRAPHIC COMMUNICATIONS (3 hours credit) Orthographic projections, multi-view projections, general use of instruments, points, lines, planes and identities. Computer-assisted design and drawing on computer.

Health Care Assistant (HCA)

HCA 1115. BASIC HEALTH CARE ASSISTING (5 hours credit) This course includes orientation to program policies, developing employability and job-seeking skills, applying legal aspects of health care, applying safety considerations, communication and observation skills, medical terminology, and basic health care procedures. Two hours lecture, four hours lab, three hours clinical.

HCA 1125. SPECIAL CARE PROCEDURES (5 hours credit) This course includes admitting, transferring, and discharging patients; assisting with diagnostic procedures for patients; assisting with treatments for patients; assisting with elimination needs of patients; basic knowledge and skills required to care for the long-term care resident; and CPR/first aid. Safety is emphasized throughout each procedure. Prerequisite: Basic Health Care Assisting (HCA 1115). Two hours lecture, two hours lab, six hours clinical.

HCA 1214. BODY STRUCTURE AND FUNCTION (4 hours credit) This course includes study of the structure, function, common disorders, and normal aging-related changes of the integumentary, musculoskeletal, nervous, circulatory, respiratory, digestive, urinary, reproductive, endocrine, and sensory systems; stages of human growth and development; and nutritional needs through the life cycle. Prerequisite: Basic Health Care Assisting (HCA 1115). Three hours lecture, two hours lab.

HCA 1312. HOME HEALTH AIDE AND HOMEMAKER SERVICES (2 hours credit) This course includes basic knowledge and skills required to care for the home-bound patient; and basic knowledge and skills required to provide homemaker services. Prerequisite: All core courses. One hour lecture, two hours lab.

208 • Course Descriptions
Health, Physical Education and Recreation (HPR)

HPR 1131. VARSITY SPORT (1 hour credit) Restricted only to those individuals who participate in this varsity sport.

HPR 1141. VARSITY SPORT (1 hour credit) Restricted only to those individuals who participate in this varsity sport.

HPR 1213. PERSONAL AND COMMUNITY HEALTH I (3 hours credit) Applications of principles and practices of healthful living to the individual and community; major health problems and mutual responsibilities of home, school and health agencies.

HPR 1313. INTRODUCTION TO HEALTH, PHYSICAL EDUCATION AND RECREATION (3 hours credit) Introduction to the objective, literature, and organizations of the profession. Analysis of successful teaching with discussions of the responsibilities and opportunities of professional personnel. Orientation of student to opportunities in the field.

HPR 1512. VOLLEYBALL TECHNIQUES (Majors only) (2 hours credit) Extra assignments are given which will enable prospective teachers to learn the rules, develop their skills, officiate the game, and teach the sport.

HPR 1513. FITNESS WALKING (1 hour credit) An exercise and activity class emphasizing walking to develop and maintain fitness, weight control, and flexibility.

HPR 1531. INDOOR CYCLING I (1 hour credit) Educates students with skills, principles, and fitness levels to become proficient in indoor cycling and cycling in general as a lifetime activity.

HPR 1541. INDOOR CYCLING II (1 hour credit) Continuation of HPR 1531 Indoor Cycling I. Educates students with skills, principles, and fitness levels to become proficient in indoor cycling and cycling in general as a lifetime activity.

HPR 1541. TENNIS (1 hour credit) Instruction is given on how to play tennis in good form. Emphasis is placed on fundamental techniques, rules for doubles and singles play, elementary strategy, and terms used in tennis. The universal popularity of this sport gives it social as well as recreational values. Offered first and second semesters. Meets two periods per week.

HPR 1542. TENNIS/BADMINTON TECHNIQUES (2 hours credit) Extra assignments are given which will enable prospective teachers to learn the rules, develop their skills, officiate the game, and teach the sports.

HPR 1551. FITNESS AND CONDITIONING TRAINING (1 hour credit) The basic knowledge and techniques involved in conditioning and training, safety, and use of equipment are taught in this class.

HPR 1561. FITNESS AND CONDITIONING TRAINING II (1 hour credit) The advanced knowledge and techniques involved in conditioning and training, safety and use of equipment. There are no pre-requisites for this course.

HPR 1571. PILATES II (1 hour credit) The Pilates system of dance/exercise is based on focused concentration and conscious flowing breath. Movement is carried out with balance and precision. There are no pre-requisites for this course.

HPR 1581. PILATES (1 hour credit) The Pilates system of dance/exercise is based on focused concentration and conscious flowing breath. Movement is carried out with balance and precision maintaining a constant connection between mind and body.

HPR 1591. FUNDAMENTALS OF GOLF (1 hour credit) Instruction is given on how to play golf. Emphasis is placed on fundamental techniques, scoring, and terms used in golf. Meets two periods per week.
HPR 1751. NUTRITION AND WELLNESS (1 hour credit) This course is designed to expose the student to the importance and significance of nutrition and wellness and the practices necessary to enhance one's personal lifestyle. Upon successful completion of the course, the student will demonstrate an understanding of these topics.

HPR 2131. VARSITY SPORT (1 hour credit) Restricted to only those students who participate in this varsity sport.

HPR 2141. VARSITY SPORT (1 hour credit) Restricted to only those students who participate in this varsity sport.

HPR 2213. FIRST AID & CPR (3 hours credit) Instruction and practice in methods prescribed in the American Red Cross or American Heart Association standard and advanced courses. Three lectures per week.

HPR 2571. AEROBICS (1 hour credit) This is an activity class which meets twice per week for 50 minutes each time. The class stresses cardiorespiratory function and muscle tone of various muscle groups. Routines are choreographed to music for a continuous workout.

HPR 2581. AEROBICS II (1 hour credit) This activity class uses dance and routines choreographed to music for a continuous workout. The class stresses cardiorespiratory function and muscle tone of various muscle groups. There are no pre-requisites for this course.

Heating, Air Conditioning and Refrigeration Technology (ACT)

ACT 1125. BASIC COMPRESSION REFRIGERATION (5 hours credit) An introduction to the field of refrigeration and air conditioning. Emphasis is placed on principles of safety, thermodynamics, heat transfer, recovery, and lubricants. Two hours lecture, six hours lab.

ACT 1133. TOOLS AND PIPING (3 hours credit) Various tools and pipe connecting techniques. Covers tools and test equipment required in heating, ventilation, air conditioning, and refrigeration. Two hours lecture, two hours lab.

ACT 1213. CONTROLS (3 hours credit) Fundamentals of gas, fluid, electrical, and programmable controls. Two hours lecture, two hours lab.

ACT 1313. REFRIGERATION SYSTEM COMPONENTS (3 hours credit) An in-depth study of the components and accessories of a sealed system including metering devices, evaporators, compressors, and condensers. Two hours lecture, two hours lab.

ACT 1713. ELECTRICITY FOR HEATING, VENTILATION, AIR CONDITIONING, AND REFRIGERATION (3 hours credit) Basic knowledge of electricity, power distribution, components, solid state devices, and electrical circuits. Two hours lecture, four hours lab.

ACT 1813. PROFESSIONAL SERVICE PROCEDURES (3 hours credit) Business ethics necessary to work with both the employer and customer. Includes resume, record keeping, and service contracts. Three hours lecture.

ACT 2324. COMMERCIAL REFRIGERATION (4 hours credit) A study of various commercial refrigeration systems. It includes installation, servicing, and maintaining systems. Two hours lecture, four hours lab. Prerequisite: must complete freshman courses and have CORE and Type I EPA certification.

ACT 2414. AIR CONDITIONING I (4 hours credit) Various types of residential and commercial air conditioning, including hydronic, absorption, and desiccant syst-
tems. Two hours lecture, four hours lab. Prerequisite: must complete freshman courses and have CORE and Type I EPA certification.

ACT 2424. AIR CONDITIONING II (4 hours credit) An in-depth course in the installation, start-up, maintenance, and air quality of complete heating and air conditioning systems. Two hours lecture, four hours lab. Prerequisite: must complete freshman courses and have CORE and Type I EPA certification.

ACT 2433. REFRIGERANT, RETROFIT, AND REGULATIONS (3 hours credit) Regulations and standards for new retrofit and government regulations. Includes OSHA regulations, EOA regulations, local, and state codes. Two hours lecture, four hours lab. Prerequisite: must complete freshman courses and have CORE and Type I EPA certification.

ACT 2513. HEATING SYSTEMS (3 hours credit) Various types of residential and commercial heating systems. Includes gas, oil, electric, compression, and hydroponic heating systems. Two hours lecture, four hours lab. Prerequisite: must complete freshman courses. Prerequisite: must complete freshman courses and have CORE and Type I EPA certification.

ACT 2624. HEAT LOAD AND AIR PROPERTIES (4 hours credit) Introduction to heat load calculations for residential and light commercial heating, ventilation, air conditioning, and refrigeration systems. Included are air distribution, duct sizing, selection of grills and registers, types of fans, air velocity, and fan performance. An introduction is provided to air testing instruments and computer usage. Two hours lecture, four hours lab. Prerequisite: must complete freshman courses and have CORE and Type I EPA certification.

ACT 291 (1-3). SPECIAL PROJECT IN HEATING, AIR CONDITIONING AND REFRIGERATION TECHNOLOGY (1-3 hours credit) A course designed to provide the student with practical application of skills and knowledge gained in the courses. The instructor works closely with the student to ensure that the selection of a project will enhance the student’s learning experience. Two to six hours lab.

History (HIS)

HIS 1113. WESTERN CIVILIZATION I (3 hours credit) This is a general survey of Western Civilization from ancient times to mid-17th century.

HIS 1123. WESTERN CIVILIZATION II (3 hours credit) This is a general survey of Western Civilization since the 17th century.

HIS 1163. CIVILIZATIONS I (3 hours credit) This is a general survey of world history from ancient times to the 1500s.

HIS 1173. CIVILIZATIONS II (3 hours credit) This is a general survey of world history from the 1500s to modern times.

HIS 2213. AMERICAN (U.S.) HISTORY I (3 hours credit) This is a survey of American (U.S.) history to 1877.

HIS 2223. AMERICAN (U.S.) HISTORY II (3 hours credit) This is a survey of American (U.S.) history since 1877.
Hotel and Restaurant Management Technology (HRT)

HRT 1114. CULINARY PRINCIPLES I (4 hours credit) Introduction to the food service industry emphasizing sanitation and safety, tools and equipment, basic cooking principles, the recipe (its structure and use), the menu, and fundamentals of food preparation and cookery emphasizing high standards for preparation of, but not limited to such foods as stocks, sauces, soups, and meats. Four hours lecture, two hours lab.

HRT 1123. HOSPITALITY AND TOURISM INDUSTRY (3 hours credit) An introduction to the hospitality and tourism industry. Discussions and industry observations to discover the opportunities, trends, problems, and organizations in the field. Three hours lecture.

HRT 1213. SANITATION AND SAFETY (3 hours credit) Basic principles of microbiology, sanitation, and safety for a food service operation. The course studies the environmental control application through the prevention of food-borne illnesses, cleaning material and procedures, general safety regulations, food processing methods, first aid, and fire prevention. Two hours lecture, two hours lab.

HRT 1224. RESTAURANT AND CATERING OPERATIONS (4 hours credit) This course focuses on principles of organizing and managing food and beverage facilities and catering operations. Four hours lecture, two hours lab. Prerequisite: Culinary Principles I (HRT 1114).

HRT 1413. ROOMS DIVISION MANAGEMENT (3 hours credit) A systematic approach to rooms division management in the hospitality industry including front office management and housekeeping operations. Two hours lecture, two hours lab.

HRT 1511-1514. HOSPITALITY SEMINAR (1 to 4 hours credit) Leadership and management skills necessary for success in hospitality and tourism management. The course addresses computer based management systems. Two hours lecture, four hours lab.

HRT 1833. TRAVEL AND TOURISM GEOGRAPHY (3 hours credit) Location, currency, ports of entry, and form of governments in various countries around the world. Exercises involve itinerary planning, knowledge of time zones, and familiarity with the countries’ natural, cultural, and entertainment attractions. Two hours lecture, two hours lab.

HRT 2233. FOOD AND BEVERAGE CONTROL (3 hours credit) Principles and procedures involved in an effective food and beverage control system, including standards determination, the operating budget, cost-volume-profit analysis, income and cost control, menu pricing, labor cost control, and computer applications. Two hours lecture, two hours lab.

HRT 2323. HOSPITALITY FACILITIES MANAGEMENT AND DESIGN (3 hours credit) Design and manage the physical plant of a hotel or restaurant and work effectively with the engineering and maintenance department. Two hours lecture, two hours lab.

HRT 2423. SECURITY MANAGEMENT (3 hours credit) Issues surrounding the need for individualized security programs. Examines a variety of security equipment and procedures and discusses internal security for food service and lodging operations. Two hours lecture, two hours lab.

HRT 2613. HOSPITALITY SUPERVISION (3 hours credit) Supervisory skills in leadership styles, communication skills, motivational techniques, employee training techniques, and evaluation methods. Two hours lecture, two hours lab.
HRT 2623. HOSPITALITY MANAGEMENT (3 hours credit) Principles of hospitality human resource management with an emphasis placed on the study of human behavior and human relations in the hospitality industry. Two hours lecture, two hours lab.

HRT 2713. MARKETING HOSPITALITY SERVICES (3 hours credit) Practical sales techniques for selling to targeted markets and developing strategic marketing plans for hospitality and tourism operations. Two hours lecture, two hours lab.

HRT 2723. HOSPITALITY SALES AND MARKETING (3 hours credit) Advertising, sales, and promotional techniques as related to the hospitality industry. Two hours lecture, two hours lab.

HRT 2913. SUPERVISED WORK EXPERIENCE (4 hours credit) A course which is a cooperative program between industry and education and is designed to integrate the student’s technical studies with industrial experience. Variable credit is awarded on the basis of one semester hour per 50 industrial contact hours.

Industrial Electronics Engineering Technology (EET)

EET 1114. DC CIRCUITS (4 hours credit) A course designed to familiarize the student with the principles and theories associated with DC circuits. It includes the study of electrical circuits, laws and formulae, and the use of test equipment to analyze DC circuits. Two hours lecture, four hours lab. A grade of “C” of better is required to progress to Solid State Devices (EET1334). Pre/Corequisite: MAT 1233.

EET 1123. AC CIRCUITS (3 hours credit) A course designed to familiarize the student with principles and theories associated with AC circuits. This course includes the study of electrical circuits, laws and formulae, and the use of test equipment to analyze AC circuits. Two hours lecture, two hours lab. A grade of “C” of better is required to progress to Solid State Devices (EET1334). Pre/Corequisites: DC Circuits (EET 1114) and MAT 1233.

EET 1133. ELECTRICAL POWER (3 hours credit) This course covers electrical motors, electrical motor installation, and offers instruction and practice in using different types of motors, transformers, and alternators. Two hours lecture, two hours lab. Prerequisite: DC Circuits (EET 1114) and AC Circuits (EET1123).

EET 1154. EQUIPMENT MAINTENANCE, TROUBLESHOOTING AND REPAIR (4 hours credit) A course of instruction in maintenance and troubleshooting techniques, use of technical manuals, test equipment, and inspection/evaluation/repair of equipment. One hour lecture, six hours lab.

EET 1163. MOTOR MAINTENANCE AND TROUBLESHOOTING (3 hours credit) This course covers the principles and practice of electrical motor repair and includes topics on the disassembly/assembly and preventive maintenance of common electrical motors. Two hours lecture, two hours lab. Prerequisite: Electrical Power (EET 1133).

EET 1174. FLUID POWER (4 hours credit) A course that provides instruction in hydraulics and pneumatics. The course covers actuators, accumulators, valves, pumps, motors, coolers, compression of air, control devices, and circuit diagrams. Emphasis is placed on the development of control circuits and troubleshooting techniques. Three hours lecture, two hours labs.

EET 1214. DIGITAL ELECTRONICS (4 hours credit) A course designed to introduce students to number systems, logic circuits, counters, registers, memory devices, combination logic circuits, Boolean algebra, and a basic computer system. Three hours lecture, two hours lab.
EET 1334. SOLID STATE DEVICES AND CIRCUITS (4 hours credit) A course designed to introduce the student to active devices that include PN junction diodes, bipolar transistors, bipolar transistor circuits, and unipolar devices with emphasis on low-frequency application and troubleshooting. Two hours lecture, four hours lab. Prerequisite: DC Circuits (EET 1114) and AC Circuits (EET 1123).

EET 1343. MOTOR CONTROL SYSTEMS (3 hours credit) This course covers installation of motor control circuits and devices. Emphasis is placed on developing the student's ability to diagram, wire, and troubleshoot the circuits and mechanical control devices. Two hours lecture and two hours lab.

EET 1443. FUNDAMENTALS OF INSTRUMENTATION (3 hours credit) This course provides students with a general knowledge of instrumentation principles as they relate to industrial devices and their application for the purpose of observation, measurement, and control of industrial processes. Two hours lecture, two hours lab. Prerequisite: DC Circuits (EET 1114) and AC Circuits (EET 1123).

EET 2354. SOLID STATE MOTOR CONTROLS (4 hours credit) This course covers the principles and operation of solid state motor controls as well as the design, installation, and maintenance of different solid state devices for motor control. Two hours lecture, four hours lab. Prerequisite: Motor Control Systems (EET 1343) and Programmable Logic Controllers (EET 2363).

EET 2363. PROGRAMMABLE LOGIC CONTROLLERS (3 hours credit) A course to provide instruction and practice in the use of programmable logic controllers (PLCs) in modern industrial settings. It includes instruction in the operating principles of PLCs and practice in the programming, installation, and maintenance of PLCs. Two hours lecture, two hours lab. Prerequisite: Digital Electronics (EET 1214).

EET 2423. FUNDAMENTALS OF FIBER OPTICS (3 hours credit) This course is designed to provide skills and knowledge concerning the use of fiber optic cable in modern industry applications. Two hours lecture, two hours lab. Corequisite: EET 1334.

EET 2514. INTERFACING TECHNIQUES (4 hours credit) A study of data acquisition devices and systems including their interface with microprocessors and other control systems. Two hours lecture, four hours lab. Prerequisite: EET 1214.

EET 2923. SUPERVISED WORK EXPERIENCE IN INDUSTRIAL ELECTRONICS ENGINEERING TECHNOLOGY (3 hours credit) This course is a cooperative program between industry and education and is designed to integrate the student's technical studies with industrial experience. Three hours of credit is awarded on the basis of 135 industrial contact hours. Prerequisites: Consent of the instructor and completion of at least two semesters of electronics coursework.

ELT 2623. ADVANCED PROGRAMMABLE LOGIC CONTROLLERS (3 hours credit) A course that provides instruction in the advanced features, programming functions and instructions, network communications, PLC report processing, and system troubleshooting of programmable logic controllers. Two hours lecture, two hours lab. Prerequisites: Programmable Logic Controllers (EET 2363) and Motor Control Systems (EET 1343).

IMM 1213. INDUSTRIAL HAND TOOLS AND MECHANICAL COMPONENTS (3 hours credit) A course that provides safe and proper use of hand tools and mechanical components commonly used by industrial maintenance mechanics and technicians. Includes instruction in the selection, use, and care of common hand tools and in the identification and maintenance of mechanical components such as belts and pulleys, chains and sprockets, and bearings and seals used to transmit mechanical power. One hour lecture, four hours lab.
Information Systems Technology (IST)

IST 1123. IT FOUNDATIONS (3 hours credit) This course covers the diagnosis, troubleshooting, and maintenance of computer components and interpersonal communications for IT professionals. Topics include hardware compatibility, system architecture, memory, input devices, video displays, disk drives, modems, printers, safety and environmental issues, communication, and professional behavior. Two hours lecture, two hours lab.

IST 1133. FUNDAMENTALS OF DATA COMMUNICATIONS (3 hours credit) This course presents basic concepts of telephony, local area networks, wide area networks, data transmission, and topology methods. Two hours lecture, two hours lab.

IST 1143. SECURITY PRINCIPLES AND POLICIES (3 hours credit) This course is an introduction to the various technical and administrative aspects of information security and assurance. This course provides the foundation for understanding the key issues associated with protecting information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system with appropriate intrusion detection and reporting features. Two hours lecture, two hours lab.

WDT 1123. WEB DEVELOPMENT CONCEPTS (3 hours credit) This course is an introduction to the Internet and its uses in the world of business. It includes basic and advanced features of creating Web pages. Upon completion of this course, students will be able to create a personalized home page. Two hours lecture, two hours lab.

CPT 1143. PROGRAMMING DEVELOPMENT CONCEPTS (3 hours credit) This course is an introduction to programming logic and computer systems. Students will gain hands-on experience in the development of computer programs. Two hours lecture, two hours lab.

IST 1163. CONCEPTS OF DATABASE DESIGN (3 hours credit) This course is an introduction to the design and manipulation of relational databases. Emphasis is placed on creation, manipulation, extraction, and display of data from existing databases. QBE and SQL are explored. Two hours lecture, two hours lab.

IST 1213. CLIENT INSTALLATION AND CONFIGURATION (3 hours credit) This course is designed to help the student install, support, and troubleshoot a current client operating system. Emphasis will be placed on common user operations as well as the network administrator's support of the client. Two hours lecture, two hours lab.

IST 1223. NETWORK COMPONENTS (3 hours credit) This course presents local area network and wide area network connectivity. It focuses on architectures, topologies, protocols, and transport methods of a network. Two hours lecture, two hours lab. Prerequisite: Fundamentals of Data Communications (IST 1133).

IST 1244. NETWORK ADMINISTRATION USING MICROSOFT WINDOWS SERVER (4 hours credit) This course focuses on the management of a computer network using the Microsoft Windows Server network operating system. Emphasis will be placed on daily administrative tasks performed by a network administrator. Two hours lecture, four hours lab.

IST 1314. VISUAL BASIC PROGRAMMING LANGUAGE (4 hours credit) This introduction to the Visual BASIC programming language introduces the student to object-oriented programming and a graphical integrated development environment. Two hours lecture, four hours lab.

IST 1483. FUNDAMENTALS OF VIRTUALIZATION (3 hours credit) This course presents basic concepts of operating-system virtualization, server virtualization,
cloning, teams, and virtual networks. Two hours lecture, two hours lab. Prerequisite: IT Foundations (IST 1123).

**IST 1613. COMPUTER FORENSICS** (3 hours credit) This course is an introduction to the various technical and administrative aspects of computer forensics and laws pertaining to cybercrime. This course provides the foundation for understanding the key issues associated with computer forensic investigations, understanding the boot processes and disk structure for multiple operating systems, and understanding the processes related to data acquisition during investigations. Two hours lecture, two hours lab.

**IST 1714. JAVA PROGRAMMING** (4 hours credit) This introduction to the Java Programming Language is to include sort, loops, arrays, and applets. Two hours lecture, four hours lab.

**CPT 1323. SURVEY OF MICROCOMPUTER APPLICATIONS** (3 hours credit) Introduces microcomputer operation, word processing, spreadsheets, and database management. Two hours lecture, two hours lab.

**IST 2213. NETWORK SECURITY** (3 hours credit) This course provides an introduction to network and computer security. Topics such as ethics, security policies, legal issues, vulnerability testing tools, firewalls, and operating system hardening will be discussed. Students will receive a deeper understanding of network operations and protocols through traffic capture and protocol analysis. Two hours lecture, two hours lab. Prerequisites: Network Components (IST 1223).

**IST 2224. NETWORK PLANNING AND DESIGN** (4 hours credit) Emphasis is placed on recognizing the need for a network, conducting an analysis, and designing a solution. Two hours lecture, four hours lab. Prerequisites: Network Components (IST 1223).

**IST 2234. NETWORK IMPLEMENTATION** (4 hours credit) This course is the culmination of all concepts learned in the network curriculum. Topics include planning, installation, evaluation, and maintenance of a network solution. Two hours lecture, four hours lab. Prerequisite: Network Planning and Design (IST 2224).

**IST 2254. ADVANCED NETWORK ADMINISTRATION USING MICROSOFT WINDOWS SERVER** (4 hours credit) A continuation of Network Administration Using Microsoft Windows Server. Emphasis is placed on installation, configuration, and implementation of a functional server. Two hours lecture, four hours lab. Prerequisites: Network Administration Using Microsoft Windows Server (IST 1244).

**IST 2313. SYSTEMS ANALYSIS AND DESIGN** (3 hours credit) This course introduces techniques used in systems analysis and design. Emphasis will be placed on the design, development, and implementation of an information system. Two hours lecture, two hours lab.

**IST 2324. SCRIPT PROGRAMMING LANGUAGE** (4 hours credit) This course is an introduction to the use of integrating scripts to add functionality to Web pages. Two hours lecture, four hours lab. Prerequisite: Web and Programming Concepts (IST 1154) or consent of instructor.

**IST 2334. ADVANCED VISUAL BASIC PROGRAMMING LANGUAGE** (4 hours credit) A continuation of the Visual BASIC programming language. Two hours lecture, four hours lab. Prerequisite: Visual BASIC Programming Language (IST 1314).

**IST 2344. DATABASE PROGRAMMING AND DESIGN** (4 hours credit) This course will introduce programming using a database management software application. Emphasis will be placed on menus and file maintenance. Two hours lecture, four hours lab. Prerequisites: Advanced Visual Basic Programming Language (IST 2334) or permission of instructor.
IST 2374. “C” PROGRAMMING LANGUAGE (4 hours credit) This course is designed to introduce the student to the C programming language and its basic functions. Two hours lecture, four hours lab. Prerequisite: Successful completion of any IST programming language course or permission of instructor.

IST 2454. MOBILE APPLICATION DEVELOPMENT (4 hours credit) The emergence of a new generation of highly-capable mobile devices and platforms has opened up opportunities for application developers. However, mobile development differs from conventional desktop development in that mobile devices operate in a constrained world with smaller screens, slower network connections, as well as limited memory and processing power. Two hours lecture, two hours lab. Prerequisite: Visual BASIC Programming Language (IST 1314).

IST 291(1-6). SUPERVISED WORK EXPERIENCE IN INFORMATION SYSTEMS TECHNOLOGY (3 hours credit) This course is a cooperative program between industry and education designed to integrate the student's technical studies with industrial experience. Variable credit is awarded on the basis of one semester hour per 45 industrial contact hours (3- to 18-hour externship). Prerequisites: Consent of instructor and completion of at least one semester of advanced coursework in Information Systems Technology.

IST 292(1–3). SPECIAL PROBLEM IN INFORMATION SYSTEMS TECHNOLOGY (1-3 hours credit) This course provides students with an opportunity to utilize skills and knowledge gained in other Information Systems Technology courses. The instructor and student work closely together to select a topic and establish criteria for completion of the project. Two-six hours lab. Prerequisites: Consent of instructor.

Journalism (JOU)

JOU 1111. COLLEGE PUBLICATIONS I (1 hour credit) The laboratory course is designed to give practical experience in working with college newspaper and yearbook production. News, feature, and editorial writing, make-up and layout, editing, advertising, and photography will be emphasized according to student need.

JOU 1121. COLLEGE PUBLICATIONS II (1 hour credit) A continuation of JOU 1111.

JOU 1313. NEWS WRITING AND REPORTING I (3 hours credit) An introductory course in journalism designed to teach news writing and reporting, the construction of the news article with an emphasis on source news, features, sports, and interview stories and editorials.

JOU 1323. NEWS WRITING AND REPORTING II (3 hours credit) An advanced journalism course designed to teach news writing and editing with an emphasis on news, features, sports, and editorials. Prerequisite: News Writing and Reporting I (JOU 1313) or consent of the instructor.

JOU 2111. COLLEGE PUBLICATIONS III (1 hour credit) Open to journalism majors only who have successfully completed JOU 1111, 1121, and 1313. Consent of instructor. Laboratory work will include coverage of news events on campus, photography, sports writing, and editorial writing. Advancement in skill of headline writing, copy editing, and make-up and design will also be stressed.

JOU 2121. COLLEGE PUBLICATIONS IV (1 hour credit) Open to journalism majors only who have successfully completed JOU 1111, 1121, 1313, and 2111. Consent of instructor. Laboratory work will include coverage of news events on campus, photography, and editorial writing. Advancement in skills in headline writing, copy editing, and make-up and design will be stressed.
Leadership (LEA)

LEA 1811. LEADERSHIP AND ORGANIZATIONAL SKILLS I (1 hour credit) This course is designed for emerging leaders to participate in Student Government. Topics include a brief history of Northwest Mississippi Community College, the role of a student government on a college campus, studies of leadership skills, qualities, and philosophies, effective communication, time management and solution-focused proposals. Student must be in good academic and disciplinary standing.

LEA 1821. LEADERSHIP AND ORGANIZATIONAL SKILLS II (1 hour credit) A study of leadership styles and continued study of LEA 1811. Topics include ice breakers, traits of members, non-verbal communication, role functions in groups, time management, stress management, role of the constitution and passing the gavel. Prerequisite: LEA 1811.

LEA 1831. LEADERSHIP AND ORGANIZATIONAL SKILLS III (1 hour credit) A study of leadership styles, skills, roles and functions of officers in student organizations. Students serve as officers/chairman of student government committee. Prerequisites: LEA 1811, LEA 1821.

Learning and Life Skills (LLS)

LIS 1121. THE ELECTRONIC LIBRARY (1 hour credit) This course is designed to provide information concerning the development of books and libraries and give instruction in and practice with the skills necessary for selecting, locating and using library materials in a variety of formats. Online library catalog searching, using MAGNOLIA and MELO databases, reading e-books, evaluating websites, and using style manuals, print resources and library databases will be covered.

LLS 1311. ORIENTATION (1 hour credit) This course is designed to help the freshman adjust himself to college life. It includes a study of personal and social adjustments. It teaches effective study habits, reading methods, use of the library, note taking, report writing, and gives the student guidance in collegiate life. Required for new students with a Composite ACT score of 16 or below.

LLS 1321. CAREER EXPLORATION (1 hour credit) This course is designed to assist students in determining career goals. Interest tests, personality inventories and aptitude tests are given to help students determine career choices.

LLS 1331. INTRODUCTION TO HEALTH PROFESSIONS (1 hour credit) This course looks at specific allied health professions, describes the education necessary, certification requirements and expected salary. The course discusses all levels of health care professionals from those requiring a certificate or diploma to those requiring an associate, bachelor's or doctoral degree.

LLS 1411. IMPROVEMENT OF STUDY (1 hour credit) Effective study and reading techniques. Students who are on academic probation are required to take LLS 1411 Improvement of Study and are limited to 13 hours.

LLS 1423. COLLEGE STUDY SKILLS (3 hours credit) An advanced course in study skills that fosters insight and practice of critical reading skills and study techniques needed for efficient and effective mastery of college-level courses, both graduate and undergraduate. A required class if enrolled in MAT 0123 Beginning Algebra, ENG 0113 Beginning English and Reading, and REA 1213 Reading Enhancement I.

LLS 1721. EMPLOYMENT READINESS (1 hour credit) This course is designed to prepare students for employment by teaching the importance of interviewing skills, employer expectations, employability skills, work ethics and job retention skills.
Mathematics (MAT)

MAT 0123. BEGINNING ALGEBRA (3 hours credit) A course in algebra to include operations with real numbers, linear equations, the coordinate system, linear inequalities, laws of exponents, operations with polynomials, and factoring. The student may be counseled and/or tested prior to enrollment in this course. Placement is also made with ACT math sub-score of 16 or less.

MAT 1233. INTERMEDIATE ALGEBRA (3 hours credit) Topics include linear equations and their graphs, inequalities and number line graphs, rational expressions, factoring, laws of exponents, radicals and polynomials. Prerequisite: MAT 1213 with a grade of “C” or higher or ACT math sub-score of 17 or 18.

MAT 1313. COLLEGE ALGEBRA (3 hours credit) This course includes the study of inequalities; functions; linear and quadratic equations, circles, and their graphs; rational, radical, and higher-order equations; applications; polynomial and rational functions; logarithmic and exponential equations. Prerequisite: Two years of high school algebra and ACT math sub-score of 19 or higher, or MAT 1233 with a grade of “C” or higher.

MAT 1323. TRIGONOMETRY (3 hours credit) This course includes trigonometric functions and their graphs; trigonometric identities; trigonometric equations; radian measurement; solutions of right and oblique triangles; inverse trigonometric functions; applications. Prerequisite: MAT 1313 with a grade of “C” or higher or ACT math sub-score of 20 or higher.

MAT 1343. PRE-CALCULUS (3 hours credit) A review of college algebra and trigonometry in preparation for Calculus I. Topics include functions; solving equations; logarithmic and exponential functions; trigonometric functions; solving trigonometric equations. Prerequisite: MAT 1313 with a grade of “C” or higher or ACT math sub-score of 20 or higher.

MAT 1513. BUSINESS CALCULUS I (3 hours credit) A study of functions, limits, continuity, derivatives, and their applications to business and economics. Prerequisite: MAT 1313 with a grade of “C” or higher or ACT math sub-score of 22 or higher.

MAT 1523. BUSINESS CALCULUS II (3 hours credit) A study of antiderivatives, techniques of integration, applications of the definite integral, extrema, and applications to business and economics. Prerequisite: MAT 1513 with grade of “C” or higher.

MAT 1613. CALCULUS I (3 hours credit) Includes limits, continuity, the definition of the derivative, differentiation, applications, and antiderivatives. Prerequisite: ACT math sub-score of 22 or higher and high school trigonometry or high school pre-calculus, or MAT 1313 and MAT 1323 with grades of “C” or higher, or MAT 1343 with a grade of “C” or higher.

MAT 1623. CALCULUS II (3 hours credit) This course includes a study of the definite integral, differentiation and integration of transcendental functions, techniques of integration, and applications. Prerequisite: MAT 1613 with grade of “C” or higher.

MAT 1723. REAL NUMBER SYSTEM (3 hours credit) Designed for elementary and special education majors, this course includes set theory, numeration systems, foundations of number theory, and properties and operations of real numbers. Prerequisite: ACT math sub-score of 17 or higher and two years of high school algebra, or MAT 1233 with a grade of “C” or higher, or demonstrated proficiency on a placement test.

MAT 1733. GEOMETRY, MEASUREMENT, AND PROBABILITY (3 hours credit) Designed for elementary and special education majors, this course includes study of geometric definitions, shapes and formulas; linear and angular measurements; unit conversions; statistics and probability. Prerequisite: ACT math sub-score of 17 or higher and two years of high school algebra, or MAT 1233 with a grade of “C” or higher, or demonstrated proficiency on a placement test.
MAT 2113. INTRODUCTION TO LINEAR ALGEBRA (3 hours credit) This course includes the study of systems of linear equations, matrices, vector spaces, determinants, linear transformation, Eigenvalues and Eigenvectors. Prerequisite: MAT 1623 with grade of “C” or higher.

MAT 2323. STATISTICS (3 hours credit) Introduction to statistical methods of describing, summarizing, comparing, and interpreting data to include probability distributions, sampling, estimation, confidence intervals, and hypothesis testing. Prerequisite: MAT 1233 with a grade of “C” or higher or ACT math sub-score of 19 or higher.

MAT 2513. ELEMENTARY MATHEMATICAL ANALYSIS (3 hours credit) Selected topics in quantitative methods with an emphasis on business applications. Topics include Gauss-Jordan elimination, simplex methods for linear programming models, and transportation and assignment algorithms. Prerequisite: MAT 1513 with grade of “C” or higher.

MAT 2613. CALCULUS III (3 hours credit) This course includes study in analytical geometry, parametric equations, polar coordinates, improper integrals, and infinite series. Prerequisite: MAT 1623 with grade of “C” or higher.

MAT 2623. CALCULUS IV (3 hours credit) This course includes the study of partial differentiation, multiple integration, vector calculus, quadric surfaces and line integrals. Prerequisite: MAT 2613 with a grade of “C” or higher.

MAT 2913. DIFFERENTIAL EQUATIONS (3 hours credit) This course includes study in solution of first and higher order differential equations, existence theorems, Laplace transforms, and applications. Prerequisite: MAT 2613 with grade of “C” or higher or permission of instructor.

Modern Foreign Language (MFL)

MFL 1113. FRENCH I (3 hours credit) This course is designed to develop the four basic language skills: listening, speaking, reading, and writing. Phonetic symbols are used to aid correct pronunciation, but the principal aid is to be found in the language laboratory.

MFL 1123. FRENCH II (3 hours credit) A continuation of MFL 1113. Special drill on verb forms and uses, as well as idiomatic vocabulary, by means of oral and written exercises.

MFL 1213. SPANISH I (3 hours credit) An oral-aural approach that stresses conversation, pronunciation, listening comprehension, reading, writing, and functional grammar with emphasis on communication.

MFL 1223. SPANISH II (3 hours credit) A continuation of MFL 1213 with wider vocabulary and more complex structures and functions. Prerequisites: MFL 1213 or the equivalent and consent of instructor. Three hours of lecture and six hours of outside assignments.

MFL 2113. FRENCH III (3 hours credit) A continuation of MFL 1123. A review of French grammar, and continued development of basic language skills. Reading materials of literary and cultural value are used.

MFL 2123. FRENCH IV (3 hours credit) A continuation of MFL 2113 with literary and cultural readings and compositions as well as a review of essential elements of grammar.

MFL 2213. SPANISH III (3 hours credit) A continuation of MFL 1223. Prerequisites: MFL 1223 or the equivalent and consent of instructor. Three hours lecture and six hours of outside assignments.

MFL 2223. SPANISH IV (3 hours credit) A continuation of MFL 2213. Prerequisites: MFL 2213 or the equivalent and consent of instructor. Three hours lecture and six hours of outside assignments.
Music Applied (MUA)
MUA 1141, 1151, 2141, 2151. BRASS FOR NON-MAJORS (1 hour credit) Elective Brass I, II, III, IV.
MUA 1172, 1182, 2172, 2182. BRASS FOR MUSIC MAJORS (2 hours credit) I, II, III, IV.
MUA 1211, 1221, 2211, 2221. CLASS GUITAR (1 hour credit) I, II, III, IV.
MUA 1241, 1251, 2241, 2251. GUITAR FOR NON-MAJORS (1 hour credit) Elective guitar, I, II, III, IV.
MUA 1272, 1282, 2272, 2282. GUITAR FOR MUSIC MAJORS (2 hours credit) I, II, III, IV.
MUA 1311, 1321, 2311, 2321. JAZZ IMPROVISATION (1 hour credit) A continued study of the techniques used in jazz improvisation with performance opportunities.
MUA 1441, 1451, 2441, 2451. PERCUSSION FOR NON-MAJORS (1 hour credit) Elective percussion, I, II, III, IV.
MUA 1472, 1482, 2472, 2482. PERCUSSION FOR MUSIC EDUCATION MAJORS (2 hours credit) I, II, III, IV.
MUA 1511, 1521, 2511, 2521. CLASS PIANO (1 hour credit) I, II, III, IV.
MUA 1541, 1551, 2541, 2551. PIANO FOR NON-MAJORS (1 hour credit) Elective Piano, I, II, III, IV.
MUA 1572, 1582, 2572, 2582. PIANO FOR MUSIC EDUCATION MAJORS (2 hours credit) I, II, III, IV.
MUA 1672, 1682, 2672, 2682. STRINGS FOR MUSIC EDUCATION MAJORS (2 hours credit) I, II, III, IV.
MUA 1711, 1721, 2711, 2721. CLASS VOICE (1 hour credit) I, II, III, IV.
MUA 1741, 1751, 2741, 2751. VOICE FOR NON-MAJORS (1 hour credit) I, II, III, IV.
MUA 1772, 1782, 2772, 2782. VOICE FOR MUSIC MAJORS (2 hours credit) I, II, III, IV.
MUA 1841, 1851, 2841, 2851. WOODWINDS FOR NON-MAJORS (1 hour credit) Elective Woodwinds I, II, III, IV.
MUA 1872, 1882, 2872, 2882. WOODWINDS FOR MUSIC MAJORS (2 hours credit) I, II, III, IV.

Music (MUS)
MUS 1113. MUSIC APPRECIATION (3 hours credit) Listening course designed to give the student, through aural perception, understanding, and appreciation of music as a moving force in Western Culture.
MUS 1133. FUNDAMENTALS OF MUSIC (3 hours credit) Provides the student with basic knowledge of notations, scales, keys, rhythm, intervals, triads, and their inversions. For prospective music majors only.
MUS 1123. MUSIC SURVEY (MAJORS) (3 hours credit) Listening course designed to acquaint the Music major with a broad overview of musical style and repertoire from antiquity to the present.
MUS 1214. MUSIC THEORY I (4 hours credit) Recognition and part writing. Diatonic intervals, major and minor triads, and rhythmic and melodic patterns. Correlated keyboard harmony and dictation. Sight singing in bass and treble clefs. (For Music majors only or with permission of instructor.)

MUS 1224. MUSIC THEORY II (4 hours credit) A continuation of MUS 1214.

MUS 1413. BASIC COMPUTER SKILLS FOR MUSICIANS (3 hours credit) This course is designed to introduce students to iLife and the Macintosh operating system. Topics include the creation of podcasts, photo editing, editing of audio and video, and music composition (through MIDI, sequencing, sampling, software instruments and audio editing). Students will also be introduced to basic recording techniques through GarageBand and Logic.

MUS 1423. SURVEY OF POPULAR MUSIC (3 hours credit) Advanced listening course, designed to acquaint the Music Industry major with a broad overview of popular musical styles and repertoire from the beginnings of American Popular Music to the present.

MUS 1911. RECITAL CLASS (1 hour credit) Required performance of solo and ensemble literature by students majoring in music.

MUS 1921. RECITAL CLASS (1 hour credit) A continuation of MUS 1910.

MUS 2214. MUSIC THEORY III (4 hours credit) A continuation of MUS 1224.

MUS 2224. MUSIC THEORY IV (4 hours credit) A continuation of MUS 2214.

MUS 2413. COMPUTER RECORDING I (3 hours credit) Introduction to native recording software (Apple Logic). Students continue their study of MIDI, arranging, sequencing, software instruments, and basic knowledge of a native digital audio workstation.

MUS 2423. COMPUTER RECORDING II (3 hours credit) Continuation of Computer Recording I - Logic software and native recording systems. Additional topics covered include audio recording, digital effects, automation, performance tools and nonlinear editing.

MUS 2443. AUDIO ENGINEERING I (3 hours credit) Introduction to basic principles of sound theory, audio electronics, microphone characteristics and applications, mixers, signal routing and processing. An overall view of engineering fundamentals and the recording studio.

MUS 2453. AUDIO ENGINEERING II (3 hours credit) Teaches proficiency in signal flow and signal processing. Lecture/Lab seating allows hands-on experience in recording and mixing instruments and vocalist. Recording sessions involving student performers, begin the study of Pro Tools digital audio workstation techniques.

MUS 2911. RECITAL CLASS (1 hour credit) A continuation of MUS 1921.

MUS 2921. RECITAL CLASS (1 hour credit) A continuation of MUS 2911.

Music Organizations (MUO)

MUO 1111, 1121, 2111, 2121. BAND (1 hour credit) I, II, III, IV. Prerequisite: Audition.

MUO 1141, 1151, 2141, 2151. SMALL BAND GROUPS (1 hour credit) Percussion Ensemble I, II, III, IV. Prerequisite: audition.

MUO 1171, 1181, 2171, 2181. STAGE BAND (1 hour credit) Jazz Band I, II, III, IV. Prerequisite: Audition and participate in NWCC Band.
MUO 1211, 1221, 2211, 2221. CHOIR (1 hour credit) Northwest Singers I, II, III, IV. Prerequisite: Audition.


Nursing (NRS)

NRS 1117. NURSING I — FUNDAMENTALS OF NURSING (7 hours credit) This course introduces the principles of professional nursing practice and the nursing role on the health care team. It includes the concepts of the nursing process, infection control, nutrition, elimination, immobility, stress, coping, oxygenation, safety/sensory needs, teaching/learning principles, medication administration, communication skills, assessment techniques, informatics, pain management, culture and health promotion in the aging client. The course focuses on the utilization of critical thinking skills to meet the basic needs of the client and the provision of safe, effective, evidence-based care. Provides supervised learning experiences in the college nursing laboratory and selected clinical agencies. A grade of “C” or above is required for the theory component and a “satisfactory” is required on the clinical component in order to progress in the program. If this does not occur, both the theory and the clinical components must be retaken together. Prerequisites: Admission to the Nursing Program, BIO 2513, BIO 2511, BIO 2523, BIO 2521 (MAT 1313 if the Math ACT is < 19). Corequisite: NRS 1211. Four theory hours and nine clinical hours per week.

NRS 1129. NURSING II — BASIC MEDICAL-SURGICAL NURSING (9 hours credit) This course provides students with both didactic and clinical learning experiences designed to provide nursing care to adult clients who are experiencing acute and chronic medical-surgical health problems. It builds on the principles presented in NRS 1117. Alterations in the cardiovascular, respiratory, endocrine, neurovascular, sensory, hepatic, musculoskeletal, genitourinary and gastrointestinal system concepts are presented. The course focuses on the utilization of critical thinking skills to meet the basic needs of clients and the provision of safe, effective, evidence-based care. Supervised learning experiences in the college nursing laboratory and selected clinical agencies are provided. A grade of “C” or above is required for the theory component and a “satisfactory” is required in the clinical component in order to progress to the next course. If this does not occur, both the theory and clinical components must be retaken together. Prerequisites: NRS 1117 and NRS 1211. Six theory hours and nine clinical hours per week.

NRS 1211. DOSAGES AND SOLUTIONS FOR NURSES (1 hour credit) This course provides an introduction to pharmacodynamics and use of drugs, with emphasis on the application of mathematical calculations to drug problems. One hour theory credit per week. (Corequisite for NRS 1117.)

NRS 1212. NUTRITION FOR NURSES (2 hours credit) This independent study is designed to offer supplemental nutrition knowledge for the student enrolled in the nursing curriculum. Emphasis is placed on nutrition and diet therapy as it relates to specific disease processes. This course is designed to enhance other concepts taught throughout the program and is an elective not required for graduation. Prerequisite: NRS 1117.

NRS 2014. LPN-RN TRANSITION (4 hours credit) This course facilitates the transition of the licensed practical nurse (LPN) to the role of the registered nurse. Entry into the course requires 23 hours prerequisite general education courses and current LPN licensure (see www.northwestms.edu for complete information regarding application to the course). The content augments knowledge gained in the LPN program and includes an overview of NRS 1117 and NRS 1129. This course is completed during an eight-week summer term.
NRS 2132. TRANSCULTURAL NURSING (2 hours credit) This course utilizes cultural nursing theories to survey world views of cultural phenomena in a variety of ethnic groups. The concepts of biological variations, communication, environmental control, space, social organization and time are examined for nursing coordination of care in diverse populations. Prerequisites: NRS 1117, CSC 1113 (Computer Concepts) or previous enrollment in an online course.

NRS 2114. MATERNITY NURSING (4 hours credit) This course provides students with both didactic and clinical learning experiences designed to teach the provision of nursing care to the family during the childbearing years. Normal pregnancy and birth, high-risk pregnancy, and care of the healthy and high-risk infant are presented, as well as other reproductive issues. The course focuses on care of families during the antepartum, intrapartum, postpartum, and newborn periods. Concepts of wellness, culture, growth and development, psychosocial factors, teaching/learning, family integrity, and patient advocacy are used as a basis for the provision of care. Provides supervised learning experiences in the college nursing laboratory and selected clinical agencies to promote evidence-based knowledge and critical thinking skills in the nursing care of childbearing families and clients with reproductive health issues. (A grade of “C” or above is required for the theory component with a “satisfactory” in the clinical component in order to progress to the next course. If this does not occur, both the theory and the clinical components must be retaken together). Prerequisites: NRS 1117, NRS 1211, and NRS 1129. This course is completed in eight weeks. Four theory hours and 12 clinical hours per week.

NRS 2124. PEDIATRIC NURSING (4 hours credit) This course provides students with both didactic and clinical learning experiences designed to assist in the provision of nursing care to the well child and to children with acute and chronic illnesses. It utilizes the core concepts of growth and development, well child care, family structure, environment, teaching/learning, psychosocial factors, spirituality, culture, socioeconomic status, and health beliefs. The course provides supervised learning experiences in the college nursing laboratory and selected clinical agencies to promote evidence-based knowledge and critical thinking skills for the planning and provision of comprehensive nursing care of children along the health-illness continuum. A grade of “C” or above is required for the theory component with a “satisfactory” in the clinical component in order to progress to the next course. If this does not occur, both the theory and clinical components must be retaken together. Prerequisites: NRS 1117, NRS 1211, NRS 1129 and EPY 2533. This course is completed in eight weeks. Four hours of lecture and 12 hours clinical practice per week.

NRS 2212. PHARMACOLOGY FOR NURSES (2 hours credit) This independent study course is designed to offer supplemental pharmacological knowledge for the student enrolled in the nursing curriculum. Emphasis is placed on the principles of drug administration as well as knowledge of classes of drugs and information specific to them. This course is designed to enhance other concepts taught throughout the program and is an elective not required for graduation. Corequisites: Sophomore I or II nursing courses.

NRS 2214. PSYCHIATRIC NURSING (4 hours credit) This course provides students with both didactic and clinical learning experiences related to the role of the professional nurse in the care of clients and their families in various psychiatric settings. Emphasis is placed on therapeutic communication and psychosocial assessment skills, client advocacy, and the implementation of current psychiatric treatment modalities for clients from diverse backgrounds. Provides supervised learning experiences in the nursing laboratory and selected clinical agencies to promote evidence-based knowledge and critical thinking in the provision of nursing care to psychiatric clients across the lifespan. (A grade of “C” or above is required for the theory component with a “satisfactory” required in the clinical component in order to successfully complete the course). If this does not occur, both the theory and the clinical components must be retaken together. Prerequisites: NRS 2114, NRS 2124, BIO 2924 and BIO 2920. This course must be taken in conjunction with NRS 2224 and NRS 2222. This course lasts eight weeks. Four theory hours and 12 clinical hours per week.
NRS 2222. NURSING SEMINAR (2 hours credit) This seminar course provides a basis for leadership in nursing practice. Emphasis is placed upon leadership theory and skills, application of the problem-solving process to issues and trends affecting the practice of nursing and health care of individuals, families and the community; and preparation for practice as a registered nurse in a structured health care setting. Prerequisites: NRS 2114 and NRS 2124.
Two theory hours per week.

NRS 2224. ADVANCED MEDICAL-SURGICAL NURSING (4 hours credit) This course builds on NRS 1129 and provides students with both didactic and clinical learning experiences designed to assist the student in providing comprehensive nursing care to clients with complex alterations in health. Emphasis is placed on leadership, management, prioritization, and appropriate delegation of care while functioning as a client advocate and a member of the multidisciplinary team. The student focuses on developing skills appropriate to a competent entry-level professional nurse. Provides supervised learning experiences in the nursing laboratory and selected clinical agencies to promote evidence-based knowledge and critical thinking in the provision of nursing care to adult clients from diverse backgrounds. A grade of “C” or above is required for the theory component with a “satisfactory” required in the clinical component in order to successfully complete the course. If this does not occur, both the theory and the clinical components must be retaken together. This course must be taken in conjunction with NRS 2114 and NRS 2222. Prerequisites: NRS 2114 and NRS 2124, BIO 2924 and BIO 2920. This course is completed in eight weeks. Four theory hours and 12 clinical hours per week.

Paralegal Technology (LET)
LET 1113. INTRODUCTION TO LAW (3 hours credit) This course provides an overview of major principles and functions of the state and federal legal systems, introduces various legal fields for professional opportunities, presents legal vocabulary, gives an overview of different areas of law, and presents ethics. Three hours lecture.

LET 1213. LEGAL RESEARCH (3 hours credit) This course is an introduction to basic sources of law and the methods of legal research, including ethics. Two hours lecture, two hours lab.

LET 1513. FAMILY LAW (3 hours credit) This course is a study of the areas of law pertaining to domestic relations, emphasizing ethics. Three hours lecture.

LET 1523. WILLS AND ESTATES (3 hours credit) This course is an introduction to the laws of inheritance and estates, basic concepts of estates and wills, probate procedures, and preparation of documents while emphasizing ethics. Three hours lecture.

LET 1713. LEGAL WRITING (3 hours credit) This course includes composition of legal communications, briefs, memoranda, and other legal documents with an emphasis on ethical considerations. Two hours lecture, two hours lab.

LET 2313. CIVIL LITIGATION I (3 hours credit) This course is designed to study the litigation process. Emphasis is on the structure of the Mississippi court system and on gathering information and evidence, summarizing and arranging materials, maintaining docket and file control, developing a litigation case, and interviewing clients and witnesses, using ethical standards. Two hours lecture, two hours lab.

LET 2323. TORTS (3 hours credit) This course provides instruction in the area of law which deals with civil wrongs and injuries as distinguished from breach of contract. It concentrates on the elements of a tort, types of tort, damages, ethics, and remedies. Three hours lecture.

LET 2333. CIVIL LITIGATION II (3 hours credit) This course is designed to continue the study of the litigation process from discovery through appeal. Three hours lecture. Prerequisite: Civil Litigation I (LET 2313) with a grade of “C” or higher.
LET 2453. REAL PROPERTY I (3 hours credit) This course is an introduction to real property law including ownership and transfer, employing ethics. Two hours lecture, two hours lab.

LET 2463. REAL PROPERTY II (3 hours credit) This course examines legal documents related to real property as recorded in the chancery clerk's office, the tax assessor's office, and the circuit clerk's office. It includes compiling a title abstract and completing an assignment to prepare a real estate file from transaction through closing and post-closing implementing ethics. Two hours lecture, two hours lab. Prerequisite: Real Property I (LET 2453) with a grade of “C” or higher.

LET 2523. BANKRUPTCY LAW (3 hours credit) This course is an introduction to federal bankruptcy law. Emphasis is placed on federal bankruptcy statutes, chapters, and forms. Three hours lecture.

LET 2633. LAW OFFICE MANAGEMENT (3 hours credit) This course provides practical application of daily legal office skills needed in the legal field, professional presentations, history of the profession, professional ethics through fact analysis, and an overview of law office management.

LET 2913. SPECIAL PROBLEMS (3 hours credit) A course to provide students with an opportunity to utilize skills and knowledge gained in other Paralegal Technology courses. The instructor and student work closely together and review in detail legal topics and competencies required in the work place. This course can only be taken in the semester that the student anticipates graduation.

LET 2923. INTERNSHIP FOR PARALEGAL (3 hours credit) Supervised practical experience in a private law office, courts, government offices, or businesses. Provides students the opportunity to apply theory presented in the classroom in a supervised work setting. 135 clock hours.

Philosophy (PHI)

PHI 1113. OLD TESTAMENT SURVEY (3 hours credit) The student will survey the Old Testament (Hebrew Bible) with regard to its worth as a literary work, along with significant dates, themes, concepts and contributions of its characters to that history and literature.


PHI 2113. INTRODUCTION TO PHILOSOPHY (3 hours credit) An introduction to the major themes and history of the discipline of Philosophy with an emphasis on the development of critical thinking.

PHI 2143. ETHICS (3 hours credit) An introduction to moral philosophy with the investigation of some selected moral problems.

PHI 2613. WORLD RELIGIONS (3 hours credit) An introduction to the beliefs and development of Buddhism, Christianity, Hinduism, Islam, Judaism, and other religious traditions.

PHI 2713. LOGIC (3 hours credit) An introduction to the discipline of logic including formal and informal logic, as well as the development of critical thinking skills.

Physics (PHY)

PHY 1111. INTRODUCTION TO ASTRONOMY, LABORATORY (1 hour credit) A laboratory course that contains experiments and exercises that reinforce the principles introduced in PHY 1113, Introduction to Astronomy.
PHY 1113. INTRODUCTION TO ASTRONOMY (3 hours credit) A lecture course that includes surveys of the solar system, our galaxy and the universe. Three hours lecture.

PHY 1213. SURVEY OF PHYSICS I (3 hours credit) A lecture course covering the concepts of mechanics, sound, light, fluids, and waves. Non-calculus based. Three hours lecture.

PHY 2241. PHYSICAL SCIENCE I, LABORATORY (1 hour credit) A laboratory course that contains experiments and exercises that reinforce the principles introduced in PHY 2243, Physical Science I, Lecture. Corequisite: concurrent enrollment PHY 2243.

PHY 2243. PHYSICAL SCIENCE I, LECTURE (3 hours credit) A lecture course that includes studies of measurements and units, electricity, mechanics, heat, sound, light, and astronomy. Corequisite: MAT 1233, Intermediate Algebra or ACT math subscore of 19 or higher.

PHY 2251. PHYSICAL SCIENCE II, LABORATORY (1 hour credit) A laboratory course that contains experiments and exercises that reinforce the principles introduced in PHY 2253, Physical Science II, Lecture. Corequisite: concurrent enrollment in PHY 2253.

PHY 2253. PHYSICAL SCIENCE II, LECTURE (3 hours credit) A lecture course that includes studies of chemistry, geology, and meteorology.

PHY 2411. PHYSICS LABORATORY I (1 hour credit) Laboratory experiments coordinated with lecture topics in PHY 2413.

PHY 2413. GENERAL PHYSICS I, LECTURE (3 hours credit) A lecture course covering mechanics, heat, waves, and sound. This is a non-calculus based course primarily for pre-professional majors. Prerequisite: Two years of high school algebra and trigonometry or MAT 1313 and MAT 1323. Satisfies physics requirement for pre-pharmacy and pre-medical students. (PHY 2413 and 2411 must be taken concurrently.)

PHY 2421. PHYSICS LABORATORY II (1 hour credit) Laboratory experiments coordinated with lecture topics in PHY 2423.

PHY 2423. GENERAL PHYSICS II, LECTURE (3 hours credit) A lecture course covering electricity, magnetism, optics, and modern physics. This is a non-calculus based course primarily for pre-professional majors. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes. Prerequisite: A score of "C" or better in PHY 2413 and 2411 are required before taking this class.

PHY 2511. PHYSICS LABORATORY FOR SCIENCE AND ENGINEERING I (1 hour credit) This laboratory accompanies PHY 2513. Corequisite: PHY 2513.

PHY 2513. PHYSICS FOR SCIENCE AND ENGINEERING I (3 hours credit) A combined lecture and laboratory course covering mechanics, heat, waves, and sound. This is a calculus-based course primarily for students of engineering, science, or mathematics. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes. Prerequisite: MAT 1613 (PHY 2513 and PHY 2511 must be taken concurrently). Note: This course is alternatively entitled GENERAL PHYSICS I-A, Lecture, in the Uniform Course Numbering System.

PHY 2521. PHYSICS LABORATORY FOR SCIENCE AND ENGINEERING II This laboratory accompanies PHY 2523. Corequisite: PHY 2523.

PHY 2523. PHYSICS FOR SCIENCE AND ENGINEERING II (3 hours credit) A lecture course covering electricity, magnetism, optics, and modern physics. This is a calculus-based course primarily for students of engineering, science, and mathematics. Corequisite: MAT 1623 (PHY 2523 and PHY 2521 must be taken concurrently). Note: This course is alternatively entitled GENERAL PHYSICS II-A, Lecture, in the Uniform Course Numbering System. Prerequisite: A score of "C" or better in PHY 2513 and 2511 are required before taking this class.
Political Science (PSC)

PSC 1113. AMERICAN NATIONAL GOVERNMENT (3 hours credit) Survey of the organizations, political aspects of, and basis of national government.

Practical Nursing (PNV)

PNV 1213. BODY STRUCTURE AND FUNCTION (3 hours credit) This course is a study of body structure and function essential to safe and effective nursing care. Each system of the body is covered with applications to nursing. Three hours lecture.

PNV 1426. FUNDAMENTALS OF NURSING (6 hours credit) This course provides the student with basic knowledge and skills necessary to care for the individual in wellness and illness and is applicable across the life span. This course requires concurrent registration in PNV 1436 and requires a passing grade in PNV 1426 and PNV 1436 to receive credit for these courses. If a passing grade is not maintained, both courses must be repeated concurrently upon re-admission.

PNV 1437. FUNDAMENTALS OF NURSING LAB/CLINICAL (7 hours credit) This course provides demonstration of and supervised practice of the fundamental skills related to practical nursing. Concurrent registration in PNV 1426 is required. Nine hours lab, four 1/2 hours clinical. A passing grade in PNV 1426 and PNV 1436 is required in order to progress in the practical nursing program. If a passing grade is not maintained, both courses must be repeated concurrently upon re-admission.

PNV 1524. IV THERAPY AND PHARMACOLOGY (4 hours credit) This course is designed to prepare the practical nurse to perform the expanded role of IV therapy as outlined in the Mississippi Nursing Practice Law, Rules and Regulations. The student, upon completion of this course and the practical nursing program, will receive a certificate to indicate that he/she have completed this portion of the course and are ready for the clinical check-offs in the job setting as outlined in the Board of Nursing Requirements. Practical Nurse licensure will be required before completion of IV certification. Four hours lecture, two hours lab. Pre-requisites: all first semester courses.

PNV 1614. MEDICAL/SURGICAL NURSING (4 hours credit) This course provides the student with the basic nursing theory and skills to provide safe and effective care for a client experiencing an alteration in health in the following systems: vascular; respiratory; sensory and integumentary; musculoskeletal; gastrointestinal; blood, lymphatic and immunosuppressive; urinary; reproductive; endocrine; and neurological. The systems not covered in this course are taught in Alterations in Adult Health (PNV 1634). Pharmacological and nutrition therapy, as well as oncological considerations, for various disorders is included. Prerequisites: all first semester courses. Concurrent registration in PNV 1622 is required. A passing grade in PNV 1614 and PNV 1622 is required in order to progress in the practical nursing program. If a passing grade is not maintained, both courses must be repeated concurrently upon re-admission.

PNV 1622. MEDICAL/SURGICAL CLINICAL (2 hours credit) This course includes supervised clinical experiences for application of medical/surgical theory, the development of skills, and the use of nursing process. Six hours clinical. Prerequisites: all first semester courses. Concurrent registration in PNV 1614 is required. A passing grade in PNV 1614 and PNV 1622 is required in order to progress in the practical nursing program. If a passing grade is not maintained, both courses must be repeated concurrently upon re-admission.

PNV 1634. ALTERATIONS IN ADULT HEALTH (4 hours credit) This course provides the student with basic nursing theory and skills to provide safe and effective care for a client experiencing an alteration in health in the following systems: vascular; respiratory; sensory and integumentary; musculoskeletal; gastrointestinal; blood, lym-
phatic and immunosuppressive; urinary; reproductive; endocrine; and neurological. The systems not covered in this course are taught in Medical/Surgical Nursing (PNV 1614). Pharmacological and nutrition therapy, as well as oncological considerations, for various disorders is included. Prerequisites: all first semester courses. Concurrent registration in PNV 1642 is required. A passing grade in PNV 1634 and PNV 1642 is required in order to progress in the practical nursing program. If a passing grade is not maintained, both courses must be repeated concurrently upon re-admission.

PNV 1642. ALTERATIONS IN ADULT HEALTH CLINICAL (2 hours credit) This course includes supervised clinical experiences for application of medical/surgical theory, the development of skills, and the use of nursing process. Six hours clinical. Prerequisites: all first semester courses. Concurrent registration in PNV 1634 is required. A passing grade in PNV 1634 and PNV 1642 are required in order to progress in the practical nursing program. If a passing grade is not maintained, both courses must be repeated concurrently upon re-admission.

PNV 1714. MATERNAL-CHILD NURSING (4 hours credit) This course provides the student with basic knowledge and skills to provide safe and effective care for clients and families during pregnancy, postpartum, infancy, and childhood. Four hours lecture, one hour clinical. Prerequisites: all first semester courses.

PNV 1814. MENTAL HEALTH CONCEPTS (4 hours credit) This course provides an introduction to mental health concepts. Clinical experience will provide application of learned theory. Two hours lecture, one hour clinical. Prerequisites: all first semester courses.

PNV 1914. NURSING TRANSITION (4 hours credit) This course promotes the development of clinical decision making skills and an interest in continued professional development. Legal aspects of nursing and employment opportunities and responsibilities as well as preparation for the State Board Exam are included. Two hours lecture, three hours clinical.

Psychology (PSY)

PSY 1513. GENERAL PSYCHOLOGY (3 hours credit) An introduction to the scientific study of human behavior and mental processes. This includes history and theories of psychology, research methods, biological bases of behavior, the principles of learning, personality, and abnormal behavior.

PSY 1523. GENERAL PSYCHOLOGY II (3 hours credit) A continuation of PSY 1513, emphasizing applied psychological methods and principles. Includes motivation and emotion, abnormal behavior, mental health and therapy, group processes, mass communication and persuasion.

PSY 2553. PSYCHOLOGY OF PERSONAL ADJUSTMENT (3 hours credit) A course to aid in developing an understanding of personal adjustment with emphasis placed on personal issues through life, love and relationships, wellness, and career exploration.

Reading (REA)

REA 1213. READING ENHANCEMENT I (3 hours credit) A course provided to help students develop reading skills necessary for success in college. Diagnostic testing followed by practice in skills according to the needs of the student. Emphasis on spelling, pronunciation, vocabulary and study skills. Guidance in developing wide reading interests. Reading Placement—ACT Composite of 12 or below. A grade of “A”, “B”, or “C” advances the student to REA 1223. A grade of “D” or “F” in REA 1213 requires the student to repeat REA 1213.
REA 1223. READING ENHANCEMENT II (3 hours credit) A course provided to help students develop reading skills necessary for success in college. Diagnostic testing followed by practice in skills according to the needs of the student. Emphasis on spelling, pronunciation, vocabulary and study skills. Guidance in developing wide reading interests. Reading Placement—ACT Composite of 13-16. A grade of “A”, “B” or “C” exits the student from reading courses. A grade of “D” or “F” requires the student to repeat REA 1223.

Respiratory Therapy (RCT)

RCT 1214. RESPIRATORY CARE SCIENCE (4 hours credit) Designed to introduce the student respiratory care practitioner to fundamental elements important to the delivery of health care in a safe, efficient and professional manner. The holistic approach to patient care will be emphasized. Three hours lecture, two hours lab. Prerequisites: Anatomy and Physiology I and II (BIO 2513 and BIO 2523); program admission; or program director's approval.

RCT 1223. PATIENT ASSESSMENT AND PLANNING (3 hours credit) Fundamental approach to subjective and objective evaluation, assessment, and care plan formation for the individual needs of the patient. An introduction to cardiopulmonary diseases including etiology, pathophysiology, complications, occurrences, clinical manifestations, treatment, and prevention. Two hours lecture, two hours lab.

RCT 1313. CARDIOPULMONARY ANATOMY AND PHYSIOLOGY (3 hours credit) A study of cardiopulmonary and renal physiology in relation to the practice of respiratory care. Three hours lecture. Prerequisites: Anatomy and Physiology I and II (BIO 2513 and BIO 2523); program admission; or program director's approval.

RCT 1322. PULMONARY FUNCTION TESTING (PFT) (2 hours credit) This course is an introduction to pulmonary function technique and testing equipment. Prerequisites: Respiratory Care Practitioner I (RCT 1414) or instructor's approval.

RCT 1414. RESPIRATORY CARE PRACTITIONER I (4 hours credit) A study of respiratory treatments and equipment design and operation related to the clinical objectives incorporating airway management, suctioning, and basic life support. Two hours lecture, eight hours lab. Prerequisite: program admission.

RCT 1424. RESPIRATORY CARE PRACTITIONER II (4 hours credit) A continuation of Respiratory Care Practitioner I. A study of respiratory failure, mechanical ventilation, pulmonary rehabilitation, and home care. Three hours lecture, two hours lab. Prerequisite: Respiratory Care Practitioner I (RCT 1414).

RCT 1515. CLINICAL PRACTICE I (5 hours credit) Patient assessment and care plan formation are presented in the hospital environment. A procedural guide is utilized to evaluate student competencies and performance of respiratory care procedures. Twelve hours clinical. Prerequisites: Anatomy and Physiology I and II (BIO 2513 and BIO 2523), Respiratory Care Science (RCT 1114), Patient Assessment and Planning (RCT 1213), and Cardiopulmonary Anatomy and Physiology (RCT 1313).

RCT 1523. CLINICAL PRACTICE II (3 hours credit) Students rotate through various respiratory care sub-specialty areas for evaluation of competency and performance of respiratory care procedures. A review of all aspects of respiratory care. Nine hours clinical. Prerequisites: Clinical Practice I (RCT 1515) and Respiratory Care Practitioner II (RCT 1424).

RCT 1613. RESPIRATORY CARE PHARMACOLOGY (3 hours credit) Designed to introduce the student to the pharmacology related to cardiopulmonary disorders. Three hours lecture. Prerequisites: Anatomy and Physiology I (BIO 2513) and Anatomy and Physiology II (BIO 2523); program admission; or program director's approval.
RCT 2333. CARDIOPULMONARY PATHOLOGY (3 hours credit) A study of the cardiopulmonary pathophysiology. Includes etiology, clinical manifestations, diagnostics, and treatment of various cardiopulmonary diseases. Case studies and/or clinical simulations will be utilized to enforce learning and evaluate progress. Three hours lecture. Prerequisites: Cardiopulmonary Anatomy and Physiology (RCT 1313), Respiratory Care Practitioner III (RCT 2434), and Clinical Practice III (RCT 2536), or instructor's approval.

RCT 2434. RESPIRATORY CARE PRACTITIONER III (4 hours credit) A study of respiratory care in the critical care setting. Topics include nonconventional modes of mechanical ventilation, hemodynamics, special procedures, and advanced cardiac life support. Three hours lecture, two hours lab. Prerequisites: Clinical Practice II (RCT 1523); program progression.

RCT 2536. CLINICAL PRACTICE III (6 hours credit) Students rotate through various clinical areas for evaluation of competency and performance of respiratory care procedures. Six hours clinical, no lecture. Prerequisites: Clinical Practice I (RCT 1515) and Clinical Practice II (RCT 1523); program progression.

RCT 2546. CLINICAL PRACTICE IV (6 hours credit) Students rotate through respiratory care specialty areas. A procedural guide is utilized to evaluate student competency and performance. Six hours clinical, no lecture. Prerequisites: Clinical Practice I (RCT 1515), Clinical Practice II (RCT 1523), Clinical Practice III (RCT 2536).

RCT 2613. NEONATAL/PEDIATRICS MANAGEMENT (3 hours credit) A study of fetal development and the transition to the extrauterine environment. Includes the most common cardiopulmonary birth defects, neonatal and pediatric disease process, and the mode of treatment. Three hours lecture. Prerequisite: Respiratory Care Practitioner II (RCT 1424) or instructor's approval.

RCT 2712. RESPIRATORY CARE SEMINAR (2 hours credit) Designed to integrate the essential elements of respiratory care practice through the use of care plans, case studies, and clinical simulations in a laboratory environment. Students develop an analytical approach to problem solving. Critical thinking is emphasized. One hour lecture, two hours lab. Prerequisite: Respiratory Care Practitioner III (RCT 2434) or instructor's approval.

Social Work (SWK)

SWK 1113. SOCIAL WORK: A HELPING PROFESSION (3 hours credit) The course exposes students to a “helping” profession that plays a central role in addressing human needs. Students are exposed to personal/lived experiences of social work clients and successes of “real” social workers in respective practices such as mental health, child welfare, disaster, corrections, faith-based, military, international relief, and industry.

Sociology (SOC)

SOC 2113. INTRODUCTION TO SOCIOLOGY I (3 hours credit) This course introduces the scientific study of human society and social interaction. Social influences on individuals and groups are examined.

SOC 2133. SOCIAL PROBLEMS (3 hours credit) This course is designed to be a study of the major problems confronting American society and the conditions which have produced these problems. Current and relevant problems are selected as areas of study. Prerequisite: Introduction to Sociology I (SOC 2113).

SOC 2143. MARRIAGE AND FAMILY (3 hours credit) A study of the development of marriage and family as cultural units in society.
Speech and Theatre (SPT)

SPT 1113. PUBLIC SPEAKING I (3 hours credit) Study and practice in making speeches for a variety of public forums. Major emphasis is placed on effective speech preparation and delivery. Topics include research and organization of materials for various types of speeches, process of human communication, listening skills, and delivery skills.

SPT 1153. VOICE, DICTION AND PHONETICS (3 hours credit) A study of the International Phonetic Alphabet and training in the phonetic transcription of speech for improvement of voice and diction. Includes physical characteristics and production of sounds in American English, auditory training, improvement of articulation and standard pronunciations, and voice production.

SPT 1163. ARGUMENTATION AND DEBATE (3 hours credit) The study and application of basic argumentative technique; integration of speech techniques through class debates; theory and practices of argument and debate. Prerequisite: Grade of “C” or better in SPT 1113 (Public Speaking I).

SPT 1213. FUNDAMENTALS OF THEATRE PRODUCTION (3 hours credit) A basic course in the management of theatre arts to provide the student with the general knowledge of the collaborative process of mounting and marketing a theatrical production. Topics include season selection, performance, marketing and production and design and technical.

SPT 1233. ACTING I (3 hours credit) An introduction to the training of the voice, body and imagination as the foundations of the work of an actor through the study of acting theory, vocabulary, theatrical games, monologue, and scene work. Topics include utilizing the expressive use of the mind, body and voice in portraying a character; basic working vocabulary required of an actor to participate in a staged performance.

SPT 1241. DRAMA PRODUCTION I (1 hour credit) Participation in college drama productions. Required for theatre majors. Grade will be determined by the following factors: successful performance; evaluation of student’s efforts in performance; participation in one or more of the following—theatre management, design, acting, technical theatre, maintenance.

SPT 1251. DRAMA PRODUCTION II (1 hour credit) Participation in college drama productions. Required for theatre majors. Grade will be determined by the following factors: successful performance; evaluation of student’s efforts in performance; participation in one or more of the following—theatre management, design, acting, technical theatre, maintenance.

SPT 1273. THEATRICAL MAKEUP (3 hours credit) Techniques in the application of makeup for the stage, including color, contour, style, shape and texture.

SPT 2143. ORAL INTERPRETATION (3 hours credit) Training is given in the techniques of oral interpretative reading, its theories and practices. Topics include understanding and appreciating a variety of forms of literature, using voice and body as a means of communication, and forming storytelling skills.

SPT 2173. INTERPERSONAL COMMUNICATION (3 hours credit) Theory and analysis of dyadic relationships (one-on-one interactions). The course explores topics such as perception, listening, conflict management, relationship building and maintenance, and relational power. Prerequisite: Grade of “C” or better in SPT 1113 (Public Speaking I).

SPT 2223. STAGECRAFT (3 hours credit) An introduction to all technical elements of production design and operation, including set design, lighting, sound and costuming. Concurrent enrollment in Drama Production (SPT 1241, 1251, 2241, or 2251) is required.
SPT 2233. THEATRE APPRECIATION (Non-majors) (3 hours credit) An introduction of the cultural, historical and social aspects of drama. Class content provides an appreciation of theatre and performance art to develop audience standards through demonstration of the unique characteristics of theatre. Topics include theatre as an art form, theatre history, survey of dramatic literature, and theatre as a business. A Fine Arts elective.

SPT 2241. DRAMA PRODUCTION III (1 hour credit) Participation in college drama productions. Required for theatre majors. Grade will be determined by the following factors: successful performance; evaluation of student's efforts in performance; participation in one or more of the following—theatre management, design, acting, technical theatre, maintenance.

SPT 2251. DRAMA PRODUCTION IV (1 hour credit) Participation in college drama productions. Required for theatre majors. Grade will be determined by the following factors: successful performance; evaluation of student's efforts in performance; participation in one or more of the following—theatre management, design, acting, technical theatre, maintenance.

SPT 2283. ADVANCED ACTING (3 hours credit) Continued training in the techniques of role preparation and character development through concentrated monologue and scene work. Prerequisite: Grade of “C” or better in SPT 1233 (Acting I).

Surgical Technology (SUT)

SUT 1113. FUNDAMENTALS OF SURGICAL TECHNOLOGY (3 hours credit) This is a basic introductory course including hospital and surgical suite organization and environment, history, legal responsibilities, terminology, interpersonal relationships, pharmacology, and anesthesia.

SUT 1216. PRINCIPLES OF SURGICAL TECHNIQUE (6 hours credit) This course is a comprehensive study of aseptic technique, safe patient care, and surgical techniques.

SUT 1314. SURGICAL ANATOMY (4 hours credit) Emphasis is placed on the structure and function of the human body as related to surgery. Application of the principles of surgical anatomy to participation in clinical experience.

SUT 1413. SURGICAL MICROBIOLOGY (3 hours credit) This is an introduction to pathogenic microorganisms related to surgery and their effect on wound healing and infection. It includes principles of sterilization and disinfection.

SUT 1518. BASIC AND RELATED SURGICAL PROCEDURES (8 hours credit) This course includes instruction in regional anatomy, pathology, instrumentation, and surgical techniques in general surgery, gynecology, obstetrics, and urology. It requires clinical experience in area hospital surgical suites and related departments. Prerequisites: CPR-Health Care Provider and all first semester courses.

SUT 1528. SPECIALIZED SURGICAL PROCEDURES (8 hours credit) This course includes instruction in regional anatomy, pathology, instrumentation, and techniques in surgical specialty areas of ear, nose, and throat; eye; oral and maxillofacial surgery, pediatrics and plastic. This course requires clinical experience in area hospital surgical suite and related departments. Prerequisites: CPR-Health Care Provider and all first semester courses.

SUT 1538. ADVANCED SURGICAL PROCEDURES (8 hours credit) This course includes instruction in regional anatomy, pathology, instrumentation, and techniques in surgical specialty areas of orthopedics, neurosurgery, thoracic, peripheral vascular, cardiovascular surgery, and employability skills. This course requires clinical experience in area hospital surgical suites and related departments, and a comprehensive final examination. Prerequisites: CPR-Health Care Provider and all second semester courses.
Technical Mathematics (TMA)

TMA 1833. TECHNICAL TRIGONOMETRY (3 hours credit) A study of the solutions of right and oblique triangle, identities, trigonometric equations, and polar and parametric equations. Three lectures per week.

TMA 2143. INTRODUCTION TO CALCULUS (3 hours credit) Broad coverage of the most widely accepted areas of college level calculus with special application for technicians. Topics covered are functions, analytic geometry, differential and integral calculus. Three lectures per week.

Precision Manufacturing and Machining Technology (MST)

MST 1116. POWER MACHINERY I (6 hours credit) This course provides instruction of general shop safety as well as the operation of power machinery, which includes instruction and practice in the safe operation of lathes, power saws, drill presses, and vertical mills. Two hours lecture, eight hours lab.

TDT 1123. DIE REPAIR (3 hours credit) Repair and maintenance of industrial dies, including practice using industrial dies. One hour lecture, four hours lab.

MST 1313. MACHINE TOOL MATH (3 hours credit) An applied mathematics course designed for machinists that includes instruction and practice in algebraic and trigonometric operations. One hour lecture, four hours lab.

MST 1613. PRECISION LAYOUT (3 hours credit) Precision layout for machining operations that includes instruction and practice in the use of layout instruments. One hour lecture, four hours lab.

MST 1413. BLUEPRINT READING (3 hours credit) Plans and specifications interpretation designed for machinists. Includes instruction and practice in reading plans and applying specifications. Three hours lecture.

MST 1125. POWER MACHINERY II (5 hours credit) A continuation of Power Machinery I with emphasis on advanced applications of lathes, mills, and precision grinders. Two hours lecture, six hours lab.

MST 2734. FUNDAMENTALS OF CAD/CAM (4 hours credit) This course is designed to provide the students with the fundamental knowledge and skills of Computer Aided Design Manufacturing using various CAD/CAM software packages as they relate to Machine Tool Technology. Two hours lecture, four hours lab.

MST 2714. CNC I (4 hours credit) An introduction of computer numerical control (CNC) and computer assisted manufacturing (CAM) techniques and practices. Includes the use of the Cartesian coordinate system, programming codes and command, and tooling requirements for CNC/CAM machines. Two hours lecture, four hours lab.

MST 2813. METALLURGY (3 hours credit) Concepts of metallurgy including instruction and practice in safety, metal identification, heat treatment, and hardness testing. Three hours lecture.

MST 2135. POWER MACHINERY III (5 hours credit) A continuation of Power Machinery II with emphasis on safety and advanced applications of the engine lathe, milling, and grinding machine. Two hours lecture, six hours lab.

MST 1423. ADVANCED BLUEPRINT READING (3 hours credit) A continuation of Blueprint Reading with emphasis on advanced features of plans and specifica-
tions. Includes instruction on the identification of various projections, views, and assembly components. Two hours lecture, two hours lab.

**MST 2725. CNC II** (5 hours credit) A continuation of Computer Numerical Control Operations I. Includes instruction in writing and editing CNC programs, machine setup and operation, and use of CAM equipment to program and operate CNC machines (CNC lathes, CNC mills, and CNC machine centers). Two hours lecture, six hours lab.

**MST 2146. POWER MACHINERY IV** (6 hours credit) A continuation of Power Machinery III with emphasis on highly advanced safe operations on the milling machine and engine lathe as well as discussion of advanced machining technologies. Two hours lecture, six hours lab.

**MST 2913. SPECIAL PROBLEMS** (3 hours credit) A course to provide students with an opportunity to utilize skills and knowledge gained in other Precision Manufacturing and Machining Technology courses. The instructor and student work closely together to select a topic and establish criteria for completion of the project. One hour lecture, four hours lab.

**Welding and Cutting (WLV)**

**WLV 1116. SHIELDED METAL ARC WELDING I** (6 hours credit) This course is designed to teach students welding techniques using E-6010 electrodes. One hour lecture, 10 hours lab.

**WLV 1124. GAS METAL ARC WELDING (GMAW)** (4 hours credit) This course is designed to give the student experience in various welding applications with the GMAW welder including short circuiting and pulsed transfer. One hour lecture, six hours lab.

**WLV 1136. GAS TUNGSTEN ARC WELDING (GTAW)** (6 hours credit) This course is designed to give the student experience in various welding applications with the GTAW welder. One hour lecture, 10 hours lab.

**WLV 1143. FLUX CORED ARC WELDING (FCAW)** (3 hours credit) This course is designed to give the student experience in FCAW. One hour lecture, four hours lab.

**WLV 1155. PIPE WELDING** (5 hours credit) This course is designed to give the student experience in pipe welding procedures. One hour lecture, eight hours lab.

**WLV 1162. GAS METAL ARC ALUMINUM WELDING** (2 hours credit) This course is designed to give the student experience in Gas Metal Aluminum Welding. One hour lecture, two hours lab.

**WLV 1171. WELDING INSPECTION AND TESTING PRINCIPLES** (1 hour credit) This course is designed to give the student experience in inspection and testing of welds. Two hours lab.

**WLV 1226. SHIELDED METAL ARC WELDING II** (6 hours credit) This course is designed to teach students welding techniques using E-7018 electrodes. One hour lecture, 10 hours lab.

**WLV 1232. DRAWING AND WELDING SYMBOL INTERPRETATION** (2 hours credit) This course is designed to give the student advanced experience in reading welding symbols. One hour lecture, two hours lab.

**WLV 1252. ADVANCED PIPE WELDING** (2 hours credit) This course is designed to give the student advanced pipe welding techniques using shielded metal arc and gas tungsten arc welding processes. One hour lecture, two hours lab.
WLV 1314. CUTTING PROCESSES (4 hours credit) This course is designed to give the student experience in oxyfuel cutting principles and practices, air carbon cutting and gouging, and plasma arc cutting. Two hours lecture, four hours lab.

WLV 191 (1-3). SPECIAL PROBLEMS IN WELDING AND CUTTING (1-3 hours credit) A course designed to provide the student with practical application of skills and knowledge gained in other welding and cutting courses. The instructor works closely with the student to insure that the selection of a project will enhance the student's learning experience. Two to six hours lab.

WLV 292 (1-6). SUPERVISED WORK EXPERIENCE IN WELDING AND CUTTING (1-6 hours credit) This course is a cooperative program between the industry and education and is designed to integrate the student's technical studies with industrial experience. Variable credit is awarded on the basis of one semester hour per 45 contact hours. Three to 18 hour externship.

Work-Based Learning (WBL)

WBL 191(1-3). WORK-BASED LEARNING I (3 hours credit) In this structured worksite learning experience, the student, program area teacher, Work-Based Learning coordinator, and worksite supervisor/mentor develop and implement an educational training agreement. It is designed to integrate the student's academic and technical skills into a work environment. It may include regular meetings and seminars with school personnel and employers for supplemental instruction and progress reviews. Three to nine-hour externship. Prerequisite: Concurrent enrollment in career-technical program area courses.

WBL 192(1-3). WORK-BASED LEARNING II (3 hours credit) A continuation of WBL I.

WBL 193(1-3). WORK-BASED LEARNING III (3 hours credit) A continuation of WBL II.

WBL 291(1-3). WORK-BASED LEARNING IV (3 hours credit) A continuation of WBL III.

WBL 292(1-3). WORK-BASED LEARNING V (3 hours credit) A continuation of WBL IV.

WBL 293(1-3). WORK-BASED LEARNING VI (3 hours credit) A continuation of WBL V.

Note: The number of semester hours received is directly related to the number of hours the student works in the worksite.
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250 • Directory
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252 • Directory
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LISA CRISWELL Food Service
<table>
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<td>ELIZABETH CUMMING</td>
<td>Housekeeping</td>
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<td>MARILYN DAVIS</td>
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<td>ROBERT DAVIS</td>
<td>Food Service</td>
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<td>WILKINS DEDWYLER</td>
<td>Lab Assistant, Library</td>
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<td>AL DODSON</td>
<td>Campus Police</td>
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<td>Food Service</td>
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<td>DIANA DUKES</td>
<td>Media Specialist, Library</td>
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<td>RHONDA DUKES</td>
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<td>Accounts Payable Clerk</td>
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<td>ALLISON EOFF</td>
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<td>WINDSOR GARRETT</td>
<td>Trash Truck Driver</td>
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<td>SUZANNE GEESLIN</td>
<td>Coordinator of Housing Operations</td>
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<td>DAVID GODDARD</td>
<td>HVAC Technician</td>
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<td>DONNELL GOLDEN</td>
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<td>BILL GRANT</td>
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<td>Assistant Help Desk Coordinator</td>
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<td>Campus Police</td>
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<td>CHRISI HARDISON</td>
<td>Financial Aid Counselor</td>
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<td>Food Service</td>
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<td>DONNA HARVEY</td>
<td>Instructional Materials Specialist</td>
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<td>HAYLEY P. HAYES</td>
<td>Office Manager, Student Support Services</td>
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<td>WILLIAM HENLEY</td>
<td>Campus Police</td>
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<td>LESLIE HOLLIDAY</td>
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<tr>
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<tr>
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<td>ANNETTE HUGHES</td>
<td>Housekeeping</td>
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<td>VANESSA HULLETTE</td>
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<td>ROY HUNT</td>
<td>Construction Worker</td>
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<td>ANNIE JACKSON</td>
<td>Food Service</td>
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<td>CATHERINE JACKSON</td>
<td>Housekeeping</td>
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<td>EDWARD JACKSON</td>
<td>Groundworker</td>
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<td>IRMA JACKSON</td>
<td>Food Service</td>
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<tr>
<td>DELORES JENNINGS</td>
<td>Secretary, Career-Technical Office and Campus Police</td>
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<td>DEBRA JOHNSON</td>
<td>Food Service</td>
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<tr>
<td>LEANNA JOHNSON</td>
<td>Financial Aid Counselor</td>
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<td>SALLY JOHNSON</td>
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<td>DAVID JONES</td>
<td>Hardware &amp; Carpentry</td>
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<td>ROSIE JOHNSON</td>
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JAMIE KENNEDY  Construction Worker
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<table>
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<tr>
<td>DERRELL WHITE</td>
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<tr>
<td>JUDY WILBANKS</td>
<td>Secretary, Associate Vice President for Educational Affairs</td>
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<td>FATE WILLIAMS</td>
<td>Cabinet Maker</td>
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<td>MINNIE L. WILLIAMS</td>
<td>Residence Supervisor</td>
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<td>ARDINA WILSON</td>
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<td>KEVIN WULFF</td>
<td>Carpentry Handyman</td>
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<td>LARRY YATES</td>
<td>Housekeeping Team Leader</td>
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<tr>
<td>BARBARA YOUNG</td>
<td>Purchasing Agent</td>
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<td>DAVID YOUNG</td>
<td>Groundworker</td>
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<tr>
<td>GLORIA YOUNG</td>
<td>Secretary, Housekeeping</td>
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260 • Directory
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INDEX

Academic Core Curriculum, 75-77
Academic Education, 90-136
Academic Probation, 84
Academic Regulations, 73-88
Academic Restart, 38-39
Accountancy, 90
Accounting, courses in, 178
Accounting Technology, 148
courses in, 190-193
Accreditation, 11
Administration Building, 15
Administrative Personnel
DeSoto Center, 238
Lafayette-Yalobusha Tech. Center, 266
Senatobia Campus, 239
Admissions, 31-42
Requirements, 32
Admission Procedures, 32-37
Dual Enrollment, 33
Early Admission, 33
Home-Schooled Students, 33
Adult Students, 33
Foreign Students, 33
Disabled Students, 33-34
Advanced Placement, 35
Military Credit, 35-36
General Admission Requirements, 36
Particular Divisions, 36-37
Transfer Students, 34
Evening School, 37
Adult Basic Education, 139
Advanced Placement Credit, 35
Affirmative Action Statement, 2
Agricultural Business & Management Technology, 142-143
courses in, 178-179
Agricultural Technology/John Deere Tech, 143-144
admission policy, 43
courses in, 179-180
Agriculture, fields in, 119
courses in, 180
Alumni Association, 27
Animal Science, 120
Art, 104
courses in, 181
Athletics, 25
Attendance Policy, 82-83
Automotive Technology, 144-145
admission policy, 145
courses in, 182-183
Aviation Maintenance Technology, 145-146
admission policy, 145-146
courses in, 183-185
Beverly Brewer Stark Career Center, 28
Biology, 120-121
courses in, 185-187
Boards of Supervisors, 238
Board of Trustees, 238
Broadcasting, 107
courses in, 197
Buildings & Grounds,
Main Campus, 15-16
Business Administration, 91
courses in, 187-188
Business, Division of, 90-97
Business & Computer Teacher Education, 92
Business & Marketing Management Technology, 147
courses in, 188-189
Business & Office Administration,
courses in, 189-190
Business & Office Technology, 147-151
courses in, 190-193
Business Regulations, 48-49
Calendar, official school, 4-7
online calendar, 7
Campus Map, 276
Cardiovascular Technology, 151-152
admission policy, 151
courses in, 193-194
Career, Technical & Workforce Education,
137-176
degrees and certificates, 137-138
course offerings, 140-141
courses of study, 142-176
Career-Technical Certificates, 75
Career-Technical Education Support Services, 29
Career-Technical Honors List, 87
Change of Schedule, 84-85
Cheating/Plagiarism Appeal Procedure, 83
Chemistry, 121
courses in, 194-195
Chief Executives, 8
Chief Executive Officer, 239
Civil Engineering Technology, 152-153
courses in, 195-196
Classification, 85
CLEP Policy, 34-35
Clubs and Organizations, 24
Collision Repair Technology, 170-171
  admission policy, 170
courses in, 196-197
Commercial Truck Driving, 169-170
  admission policy, 169-170
courses in, 197
Communications, 107-108
  courses in, 197, 217
Complaint & Grievance Procedures, 21
Compliance Policy, 21-22
Computer/Management Information Systems, 93
Computer Networking, 162-163
courses in, 215-217
Computer Programming, 163
courses in, 215-217
Computer Science, 94
courses in, 198
Continuing Education, 139-140
Cosmetology, 171-172
  admission policy, 171
courses in, 199
  Instructor Trainee Option, 172
  admission policy, 172
  Nail Technician Option, 172
Counseling Services, 27-28
Course Descriptions, 177-236
Course Load, 85
Courses of Study,
  academic, 90-136
  technical, 142-169
career, 155, 169-176
Credit by Examination, 34
Credits & Grades, 79-82
Criminal Justice, 110
courses in, 200
Dean’s List, 87
Degrees, 74-75
DeSoto Center, 13-14
  College Parallel Programs, 13
  Technical Programs, 14
  Two-Plus-Two Program, 13-14
  Olive Branch Campus, 14
Directory, 237-270
Disability Support Services, 28
Drafting & Design Engineering Technology, courses in, 200-201
Drug-Free Policy, 22
Early Childhood Education Technology, 153-154
courses in, 201-202
Economics, courses in, 202
Educational Facilities,
  Main Campus, 18-20
Education, Division of, 98-103
Education, courses in, 202
Electrical Technology, courses in, 202-203
Elementary Education, 98-99
EMT-Basic, 155
  admission policy, 155
EMT-Paramedic, 154-155
  admission policy, 154
courses in, 203-204
Engineering, courses in, 204
English, courses in, 204-205
Executive Officers, 239
Exercise Science, 99-100
Faculty, full-time,
  Senatobia Campus, 244-250
  part-time, 250-253
  DeSoto Center, 258-261
  part-time, 261-264
  Lafayette-Yalobusha Technical Center, 262-267
  part-time, 267-268
eLearning Division,
  part-time, 269-270
Family and Consumer Science, courses in, 205
Family Educational Rights and Privacy Act (FERPA), 86-87
Financial Aid, 49-72
  Federal, State and Institutional Student Aid, 53
  Refund Formula, 53-54
  Satisfactory Academic Progress Policy, 50-53
Financial Information, 43-72
  general fees, 44
  special fees, 44
  lunch and board, 45
  room rent, 45
  general information, 46-48
  business regulations, 48-49
Fine Arts Auditorium, 15-16
Fine Arts, Division of, 104-106
Fine Arts Organizations, 24-25
Food Service, 30
Foreign Language, courses in, 220
Forestry, 121-122
Foundation Scholarships, 60-72
French, courses in, 220
Funeral Service Technology, 156-158
  admission policy, 156-157
courses in, 205-206
GED Testing, 139
General Agriculture, 122-123
General College Curriculum, 111
General Education Outcomes, 12-13
General Information, 9-22
General Science, 123
Geographical Information Technology, courses in, 206
Geography, courses in, 206
Grade Appeal Procedure, 81-82
Grading Symbols, 80-81
Graduation requirements, 74-79
  Application for Graduation, 79
Grants,
  Federal, 54-55
  State, 56
Graphic Design Technology, 158-159
  admission policy, 159
  courses in, 207-208
Graphics and Drawing, courses in, 208
Haraway Center, David M., 15
Health Care Assistant, 173
  admission policy, 173
  courses in, 208
Health-care Data Technology, 148-149
  courses in, 190-193
Health & Physical Education, 100-101
  courses in, 209-210
Health Professions, 124-133
Health Services, 30
Heating, Air Conditioning & Refrigeration Technology, 159-160
  admission policy, 160
  courses in, 210-211
History, courses in, 211
History, Institutional, 10
Honors, 87-88
Honors Program, 87-88
Hotel & Restaurant Management Technology, 160-161
  courses in, 212-213
Housing Facilities, 16-18
Howard Coliseum, 16
Industrial Electronics Engineering Technology, 161-162
  admission policy, 161
  courses in, 213-214
Information Systems Technology, 162-163
  courses in, 215-217
Intellectual Property Rights Policy, 83
Intramurals, 25
Journalism, 108
  courses in, 217
Lafayette-Yalobusha Technical Center, 14
  College Parallel Programs, 14
  Technical Programs, 14
Languages & Communications, Division of, 107-109
Leadership, courses in, 218
Learning & Life Skills, courses in, 218
Liberal Arts, 108-109
Library/Learning Resource Center, 19, 26
Loan Programs, 55-56
Main Campus, 15-20
  Campus Map, 276
Marketing Communications/Public Relations Management, 95
Mathematics, Division of, 117-118
Mathematics, 117
  courses in, 219-220
McLendon Center, 15
Microcomputer Technology, 149-150
  courses in, 190-193
Military Credit, 35-36
Mission Statement, 12
Multipurpose Livestock Facility, 15
Music Applied, courses in, 221
Music Business/Industry, 105
  courses in, 221-222
Music, Music Education, Music Performance & Music Therapy, 104-105
  courses in, 221-222
Music Organizations, courses in, 222-223
Natural Sciences, Division of, 119-136
Northwest Mississippi Community College Foundation, 27
Nursing, Division of, 114-116
  admission policy, 114-115
  courses in, 223-225
  LPN advanced standing, 116
Office Administration, 96
  courses in, 187-188
Office Systems Technology, 150-151
  courses in, 190-193
Olive Branch Campus, 14
Online Learning, 20
Outdoor Recreation and Management, 133
Paralegal Technology, 164-165
  courses in, 225-226
Philosophy, courses in, 226
Physics, 134
  courses in, 226-227
Political Science, courses in, 228
Practical Nursing, 174-175
  admission policy, 174-175
  courses in, 228-229
Pre-Communicative Disorders, 101
Pre-Cytotechnology, 125-126
Pre-Dental, 126-127
Pre-Dental Hygiene, 127
Pre-Engineering, 117-118
Pre-Forensic Chemistry, 134-135
Pre-Health Information Management, 97
Pre-Horticulture, 135
Pre-Law, 112
Pre-Medical, 126-127
Pre-Medical Laboratory Sciences, 124-125
Pre-Nursing, 128
Pre-Occupational Therapy, 128-129
Pre-Optometry, 129-130
Pre-Paralegal Studies, 164-165
Pre-Pharmacy, 130
Pre-Physical Therapy, 131
Pre-Radiological Sciences, 131-132
Pre-Social Work, 113
courses in, 231
Pre-Veterinary Medicine, 132-133
Pre-Veterinary Medical Technology, 136
Precision Manufacturing & Machining Technology, 165-166
admission policy, 165
courses in, 234-235
President's List, 87
Professional Staff,
                   Senatobia Campus, 240-244
                   DeSoto Center, 258
                   Lafayette-Yalobusha Technical Center, 266
Psychology, 112
courses in, 229
Public Relations, 108
courses in, 197, 217
Ranger Rocket, The, 26
Reading, courses in, 229-230
Recreation, 102
courses in, 209-210
Refund Policy, 48-49
Related Studies Laboratory, 28-29
Residence Halls, 29-30
Respiratory Therapy, 166-168
admission policy, 166-167
courses in, 230-231
Rocketeer, 26
Safety Statement, 2
Schedule change procedure, 84-85
Scholarships,
                   Foundation, 60-72
                   Institutional, 59-60
                   State, 57-58
Secondary Education, 103
Social Science, Division of, 110-113
Sociology, courses in, 231
Spanish, courses in, 220
Speech and Theatre, courses in, 232-233
Staff,
                   Senatobia Campus, 253-257
                   DeSoto Center, 264-265
                   Lafayette-Yalobusha Technical Center, 268-269
Standards of Academic Progress, 83-84
Student Activities and Services, 23-30
Student Government Association, 24
Student Publications, 26
Student Records, 37-38
Student Support Services, 28
Summer School Program, 20
Surgical Technology, 168-169
admission policy, 168
courses in, 233
Technical Core Curriculum, 77-79
Technical Math, 234
Technology Resources, 29
Theatre, 106
courses in, 232-233
Transcript Release Policy, 85-87
Transfer Credit, 34
Two-Plus-Two Program, 13-14
Veterans' Standards of Progress, 39-41
Veteran Student Affairs, 39-41
Welding & Cutting, 175-176
admission policy, 176
courses in, 235-236
Withdrawal Procedures,
                   from school, 84
                   from a class, 85
Workforce Development & Community Services, Division of, 138-140
Workforce Development Program, 138
Workforce Investment Act, 139
Work-Based Learning Program, 138
courses in, 236
Work-Study,
                   Federal, 55
                   Northwest, 58

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