

**ARKANSAS NORTHEASTERN COLLEGE  
2015-2016 CATALOG  
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# WELCOME

We are very proud of Arkansas Northeastern College's reputation for both personal attention and excellence in teaching; however, we are especially proud of the individual achievements and successes of the thousands of students who comprise our history. We look forward to greeting you and visiting with you about Arkansas Northeastern College and how the College can help you to accomplish your goals.

Students at ANC are as diversified as its locations. Some enroll for a single course, others complete a certificate or degree, and still others enter in just knowing that they are ready for growth. Many students extend their learning beyond the classroom through internships and service learning, as well as involvement in one of the many student organizations on campus.

As a comprehensive, two-year institution of higher education, Arkansas Northeastern College offers a flexible schedule and courses at each of its locations in Blytheville, Burdette, Leachville, Osceola and Paragould. Arkansas Northeastern College is a non-residential college, with a primary focus on learning. Classes are small and highly interactive. Classrooms are wired with the latest multimedia internet technology.

At Arkansas Northeastern College, people can join others like themselves in creating the futures they want. ANC offers access to higher education and the opportunity to prepare for a variety of career fields. ANC graduates go on to become doctors and lawyers, business owners and industry managers. Technical certificates and job training programs provide relevant skills for entering the workplace with better earning potential—in one year or less, in many cases. ANC students learn skills such as welding, air conditioning and refrigeration, and aviation maintenance. Some students train to become nurses while others pursue careers in the steel industry, law enforcement or dental assisting technology. The list of opportunities is endless. ANC can provide training for career advancement or skills for a whole new career. Arkansas Northeastern College is a great place to start!

## PUBLICATION STATEMENT

The provisions of this publication are not to be regarded as a contract between the student and Arkansas Northeastern College. ANC reserves the right to change any provisions or requirements when such actions will serve the interest of the College or its

students. The College further reserves the right at any time to ask a student to withdraw when it considers such action to be in the best interest of the College. Policies and procedures set forth by this catalog pertain to all Arkansas Northeastern students.



Arkansas Northeastern  
COLLEGE

Academic Calendar &  
Helpful Telephone Numbers

# ACADEMIC CALENDAR 2015-2016

<i>Fall 2015</i>		<i>Spring 2016</i>	
Apr. 13	Fall Registration Opens - All Campuses	Nov. 2	Spring Registration Opens - All Campuses
Aug. 10	Faculty Reconvening	Jan. 4	Faculty Reconvening
Aug. 12	Fall Registration Closes	Jan. 6	Spring Registration Closes
Aug. 17	Classes Begin	Jan. 11	Classes Begin
Aug. 20	Payment Deadline – Purge 4 p.m. *Last Day to Declare Audit Status	Jan. 14	Payment Deadline – Purge 4 p.m. *Last Day to Declare Audit Status
Aug. 21	No Show Rosters Due - 12 noon	Jan. 15	No Show Rosters Due - 12 noon
		Jan. 18	Martin Luther King, Jr. Day - College Closed
Aug. 28	Last Day to Drop with a Refund	Jan. 25	Last Day to Drop with a Refund
Sept. 7	Labor Day - College Closed	Feb. 12	Graduation Application Deadline
		Feb. 15	President's Day - College Closed
Oct. 9	Mid-Term Grades Due - 12 Noon	Mar. 4	Mid-Term Grades Due - 12 Noon
Nov. 2	Spring Registration Opens - All Campuses	Mar. 21-25	Spring Break - Students
		Mar. 25	Spring Break - College Closed
Nov. 13	Graduation Application Submission Opens *December Completers *May Completers Registered for Spring	Mar. 25	Good Friday - College Closed
Nov. 20	Last Day to Withdraw from Class with a "W"	Apr. 11	Summer I, Summer II, & Fall Registration Opens - All Campuses
Nov. 25-27	Thanksgiving Break - Students	Apr. 15	Last Day to Withdraw from Class with a "W"
Nov. 26-27	Thanksgiving Break - College Closed		
	Last Day of Fall Classes		Last Day of Spring Classes
Dec. 1	* Tuesday / Thursday	May 3	* Tuesday / Thursday
Dec. 2	* Monday / Wednesday	May 4	* Monday / Wednesday
Dec. 3, 7-9	Final Exams	May 5, 9-10	Final Exams
Dec. 10	Final Grades Due - 12 Noon	May 12	Final Grades Due - 12 Noon
		May 13	Graduation – 2 p.m.

<b>Summer I 2016</b> <b>June Day Classes – 4 weeks</b> <b>June - July Evening, Internet, &amp; Science Classes – 8 week</b>		<b>Summer II 2016</b> <b>July Day Classes – 4 weeks</b>	
<b>June 1</b>	Summer I Registration Closes (Day, Evening, Internet, & Science)	<b>June 29</b>	Summer II Registration Closes (Day)
<b>June 6</b>	Summer I Classes Begin (Day, Evening, Internet, & Science)	<b>July 6</b>	Summer II Classes Begin (Day)
<b>June 8</b>	No Show Rosters Due – 4 pm Non-Payment Purge – 4 pm *Last Day to Declare Audit Status	<b>July 8</b>	No Show Rosters Due – 4 pm Non-Payment Purge – 4 pm *Last Day to Declare Audit Status
<b>June 10</b>	Summer I Last Day to Drop with a 100% Refund	<b>July 12</b>	Summer II Last Day to Drop with a 100% Refund
<b>June 24</b>	Last Day to Withdraw from Summer I Day Classes with a “W”	<b>July 22</b>	Last Day to Withdraw from Summer II Day Classes with a “W”
<b>June 29</b>	Last Day of Summer I Day Classes	<b>Aug. 1</b>	Last Day of Summer II Day Classes
<b>June 30</b>	Final Exams Summer I Day Classes Summer I Day Grades Due – 4 pm	<b>Aug. 2</b>	Final Exams Summer II Day Classes Summer II Day Grades Due – 4 pm
<b>July 4</b>	College Closed – Independence Day		
<b>July 22</b>	Last Day to Withdraw from Summer I Evening, Internet, & Science Classes with a “W”		
	<b>Last Day of Summer I Evening, Internet, &amp; Science Classes</b>		
<b>July 26</b>	*Tuesday / Thursday Classes		
<b>July 27</b>	*Monday / Wednesday Classes		
	<b>Final Exams Summer I Evening, Internet, &amp; Science Classes</b>		
<b>July 28</b>	*Tuesday / Thursday Classes		
<b>Aug. 1</b>	*Monday / Wednesday Classes		
<b>Aug. 2</b>	Summer I Evening, Internet, & Science Classes Grades Due – 4 pm		

**CAMPUS PHONE NUMBERS**

Area Code for all numbers is 870

<b>Main Campus Departments</b>	
Advising Center Front Desk	838-2913
Adult Education	762-1020
Allied Health [Nursing Asst.(CNA), Dental, EMS, Phlebotomy]	762-3140
ASU Degree Center - ANC	780-1257
Business & Technical	762-3135
Business Office	762-3120
Career Pathways	780-1256
Communications & Humanities	838-2965
Community Education	762-3167
Community Relations	838-2920
Computer Lab	762-1020
Day Receptionist - Front Desk	762-1020
Early Childhood Education	762-3166
Financial Aid / Front Desk	762-3103
Human Resources	838-2962
Library (Audio/Visual/Production Center)	762-3189
Marketing & Media - ANC	780-1205
Math & Science	762-3148
Math Lab	762-1020
M.I.T.S. Secretary	762-3139
Music Department	762-1020
Night Receptionist - Mailroom	762-1020
Nursing	780-1228
Payroll	838-2926
Registrar	762-3182
Security	762-3158
Statehouse Hall Front Desk	838-2955
Testing Center	762-3104
TRIO-ETS & EOC / Burdette	838-2961
TRIO-Student Support Services / Wellness	762-3186
University Center	762-3137
V.A. Rep (Veteran Affairs)	780-1217
Wellness Center	838-2999
<b>Off Campus Departments</b>	
ACME Center	762-2726
Burdette Center	780-1200
Crisp Center	763-6222
Leachville	539-2393



Osceola Center	563-3236
Paragould Center	239-3200
<b>Miscellaneous Extensions</b>	
Bookstore	762-0510
Dept of Workforce Services (2825 S. Division)	776-5400
Governor's Ballroom Kitchen	762-1020 ext. 1038
Greenhouse	762-1020 ext. 1180
NIBCO Kids Kollege	776-1543
Paragould Conference Room	239-3200
The Outback	780-1259

**CAMPUS FAX NUMBERS**

Area Code for all numbers is 870

<b>Main Campus Fax Lines</b>	
Advising Center	780-1233
Adult Education	838-2980
Allied Health - CNA,PCT,EMT,Phlebotomy, & Dental Programs	762-3127
ASU Degree Center - ANC	838-2976
Business and Technical Programs & Training	763-6449
Business Office	838-2929
Career Pathways	763-6449
Communications & Humanities	763-6923
Community Education	762-5534
Early Childhood Education	838-2918
Financial Aid	763-1654
Human Resources	838-2929
Library (Audio/Visual/Production Center)	762-5534
Mailroom	763-3704
Maintenance	838-2952
Marketing & Media- ANC	780-1268
Math & Science	763-6923
M.I.T.S.	762-3175
Music Department	763-6923
Nursing - ANC Nursing Programs	762-3376
Payroll	838-2929
Registrar	763-1654
Security	838-2952
Statehouse Hall - Admissions/Student Services/Transcripts	763-1654
Testing Center	780-1233
TRIO-Educational Talent Search / Burdette	838-2931
TRIO-Student Support Services / Wellness Center	780-6115
University Center	780-6114
V.A. Rep (Veteran Affairs)	763-1654
Wellness Center	838-2931
<b>Off Campus Department Fax Lines</b>	
ACME Center	762-1804
Burdette Center	763-1496
Crisp Center	763-1202
Leachville G.E.D. Center	539-1424
Osceola Center	563-8109
Paragould Center	239-8574





Arkansas Northeastern  
COLLEGE

General Information

# GENERAL INFORMATION

## ABOUT US

### Accreditation

Arkansas Northeastern College is accredited by the Higher Learning Commission and a member of the North Central Association. The Nursing Programs (RN & LPN) at the College are approved by the Arkansas State Board of Nursing. ANC's Aviation Maintenance Program is approved by the Federal Aviation Administration and students are eligible to take the FAA certification examination for Airframe & Powerplant Mechanics. Arkansas Northeastern is officially approved by the U.S. Dept. of Education, the State Dept. of Higher Education, and the Veterans Administration. The Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs and the Dental Assisting Program is accredited by the Commission on Dental Accreditation. In addition, the College holds memberships in various professional organizations, including the American Association of Community Colleges, and is listed among the Service Members Opportunity Colleges. Students may request, from each respective division head, copies of all documents describing the institution's accreditation, approval, or licensing.

Accredited by The Higher Learning Commission  
and a member of the North Central Association  
230 N. LaSalle St. Suite 7-500  
Chicago, IL 60604-1411  
(800) 621-7440  
(312) 263-0456

The Commission on Dental Accreditation  
211 East Chicago Ave. Chicago, IL 60611  
(312) 440-2500

Arkansas State Board of Nursing  
University Tower Building  
1123 S. University, Suite 800  
Little Rock, AR 72204  
(501) 686-2700

The Commission on Accreditation of Allied  
Health Educational Programs (CAAHEP)  
1361 Park St. Clearwater, FL 3756  
(727) 210-2350

Committee on Accreditation of Educational  
Programs for the Emergency Medical Services  
Professions (CoAEMSP)  
8301 Lakeview Pkwy, Suite 111-312  
Rowlett, TX 75088  
Phone: 214-703-8445  
Fax: 214-703-8992  
[www.coaemsp.org](http://www.coaemsp.org)

Federal Aviation Administration  
Little Rock FSDO-11 1701 Bond Street  
Little Rock, AR 72202 (501) 918-4400

### Affirmative Action Policy

Arkansas Northeastern College is committed to providing leadership in taking affirmative action to attain equal educational and employment rights for all persons, without regard to sex, handicap, race, or other legally protected classification. Under Executive Order 11246 as amended, all education institutions with federal contracts totaling \$50,000 or more and having fifty or more employees must have a written Affirmative Action Plan, documenting "good faith" efforts to end discriminatory practices in employment. The College's Affirmative Action Plan is recorded in the Board Policy Manual, and copies are available.

Arkansas Northeastern College also recognizes Title VI of the Civil Rights Act of 1964, which prohibits discrimination against students or others on the grounds of race, color, or national origin in all institutions receiving federal monies by way of a grant, loan, or contract; Title VII of the Civil Rights Act of 1964 as amended, which prohibits discrimination in employment (including hiring, upgrading salaries, fringe benefits, and other conditions of employment) on the basis of race, color, religion, national origin, or sex, in all institutions with fifteen or more employees; the Equal Pay Act of 1963 as amended, which prohibits discrimination in salaries (including almost all fringe benefits) on the basis of sex for employees in all institutions; Title IX of the Education Amendments of 1972 (Higher Education Act) which affects many issues dealing directly with students, i.e., admissions, financial aid, housing, etc., and which provides that no person shall be discriminated against because of sex in any education program or activity that receives financial assistance; and Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination against qualified handicapped individuals. The College does not condone racial discrimination in any activities conducted

upon College premises. Members of the faculty are requested to be sensitive to this issue when, for example, presenting lecture material, assigning seating within the classroom, selecting groups for laboratory experiments, and assigning student work. The College's faculty, administration, and staff are committed to providing an equal educational opportunity for all students. It is the policy of Arkansas Northeastern College that no student or staff member may sexually harass another. Any employee or student will be subject to disciplinary action for violation of this policy.

Situations may arise in which students believe they have not received fair treatment by a College employee, or have a concern about the performance, action, or inaction of a member of the staff or faculty which affects the student. Wherever possible, the student should first approach the faculty or staff member in an attempt to resolve the matter. For example, in academic matters such as a grade complaint, a student should first speak with the instructor. If the matter is unresolved, the student should consult with the chairperson of the division or department and then with the vice president. Unresolved concerns about nonfaculty staff should be taken to the staff member's supervisor and then to the next higher supervisor.

### **Equal Opportunity/Affirmative Action Statement**

Arkansas Northeastern College does not discriminate against any individual on the basis of race, color, sex, religion, ethnic origin, or disability in any of its programs or activities. Arkansas Northeastern College does not discriminate on the basis of handicap in admission, access to treatment or employment in its programs and activities.

### **Facilities**

**Main Campus, 2501 S Division St, Blytheville (870) 762-1020**

**Aircraft & Metals Engineering Center (ACME), 1301 NIBCO Road, Blytheville** -This facility offers credit and non-credit courses and houses the Aviation Maintenance Program as well as customized welding and metal fabrication courses. Phone: (870) 762-2726

**Burdette Center, Interstate 55 and Highway 148, Burdette** - This facility is fully equipped with classroom, laboratory, and computer space and offers a wide array of occupational and technical courses and programs. (870) 780-1200

**Harry L. Crisp Center, East Main in the Blytheville Industrial Park** - The Crisp Center offers credit and non-credit courses and houses the industrial training and customized arm of the College--the Solutions Group. (870) 838-2934

**Leachville Center, North Main Street, Leachville** - This fully equipped center houses a computer laboratory, and offers college credit classes and adult education classes as well as housing the city library. (870) 539-2393

**Osceola Center- Located on the campus of the Osceola High School** - The Osceola Center provides a broad range of both credit and non-credit offerings. Because of a unique partnership, the College shares space with the Osceola High School in offering a wide array of courses. (870) 563-3236

**Paragould Center, 1032 West Kingshighway, Paragould** - This facility is home to several occupational programs including Practical Nursing, Registered Nursing, Emergency Medical Technician, Paramedic, and Nursing Assistant. (870) 239-3200

**Other Sites-** The College offers courses at other locations throughout the service area. Extended campus offerings usually reflect the regular academic calendar of the College. Students may take courses at any combination of sites during a semester. Extended campus policies and procedures regarding academic matters, tuition, refunds, textbooks, grade reporting, financial aid, and other areas are the same as those stated in the catalog for on campus offerings.

## **Governance**

Arkansas Northeastern College is governed by a nine member Board of Trustees appointed by the Governor

### **Arkansas Northeastern College Board of Trustees**

Dan Ritchey, Chairman  
Dr. Anes Wiley Abraham  
Randy Scott

John Newcomb, Vice Chairman  
Thomas E. Westbrook  
Sandra Kennett

Clif Chitwood, Secretary  
Curtis Walker, Jr.

## **History**

On December 17, 1974, the voters of Mississippi County approved the establishment of a community college district and the levying of a three mill tax to finance construction of the new campus. The State Board of Higher Education and the State Legislature had previously approved establishment of the institution. Governor Dale Bumpers appointed a nine member Board of Trustees who began a search for a President for the institution. Dr. Harry V. Smith, selected as the first President of the College, began service in February 1975. An administrative team and faculty were assembled, and on August 25, 1975, classes began for the first time in renovated, temporary facilities located in the former Sudbury Elementary School at 200 South Lake Street in Blytheville. Approximately 800 students enrolled for credit the first term. Non-credit community service courses began with an additional 500 students in the spring term. In February 1976, the Board of Trustees purchased 80 acres of land for construction of the campus on S. Highway 61.

On April 29, 1977, United States Vice President Walter F. Mondale announced that the College had been awarded a \$6.3 million federal grant to build the nation's first solar photovoltaic prototype facility. An additional \$500,000 was received and combined with the \$6.3 million grant and a \$2.5 million county bond issue. The campus on South Highway 61 was occupied in August of 1980. In May 1980, the College was notified that it had been accredited and had attained membership in the North Central Association of Colleges and Schools.

Cotton Boll Technical Institute first opened its doors on November 14, 1966. At that time, approximately fifty students enrolled. The school was housed in a single 26,462 square foot building surrounded by cotton fields off Interstate 55 in Burdette. That facility has grown substantially since its beginning and now consists of over 68,000 square feet of building space and sits on 45.8 acres of land. With more than 60 years of history between them, Cotton Boll Technical Institute merged with Mississippi County Community College on July 1, 2003, to become Arkansas Northeastern College. This merger expanded the technical opportunities offered by the College as well as created the expansion of physical facilities including the Burdette campus and Paragould (Greene County) Center. Today, Arkansas Northeastern College enrolls students at the main campus in Blytheville, as well as the Harry L. Crisp Center. Additionally, students are enrolled at the Burdette Center, the Leachville Center, the Osceola Center, the Paragould Center, and other locations throughout Mississippi County. An additional 2,500 students are served each semester through the College's non-credit and adult education programs.

Dr. Smith left the College in 1983, and was succeeded by Dr. John P. Sullins who served in that capacity for 22 years. Dr. Robert Myers became the College's third president on January 1, 2005, and served until July 2012, at which time June Walters was named the Interim President. On January 1, 2013, Dr. James Shemwell assumed the position of President of Arkansas Northeastern College.

## **Long-Range Plan**

The development of Arkansas Northeastern College's Long-Range Plan employed the findings and recommendations from timely reviews and assessments of the College's accomplishments. These included the College's North Central Association Self-Study and the Final Report of a visit by an NCA team of consultants/evaluators, an Institutional Effectiveness Study report, and Arkansas Department of Higher Education Program Reviews of the past five years. These and other studies and reports were used to develop a listing of goal statements concerning achievement of mission and purposes. Additional goal statements were solicited from faculty, staff, board, and community representatives and incorporated in a non-duplicated listing. The College community was invited to identify those statements deemed most important and served to combine or eliminate and reduce the numbers of the most important

statements for consideration by a group consensus process. Analysis of the results produced the goal statements presented to, and adopted by, the College's Board of Trustees on December 15, 2004.

1. The College shall offer relevant curricula and quality educational programs that utilize flexible delivery methods while ensuring academic excellence and integrity.
2. The College shall facilitate the transition of students into higher education by strengthening partnerships and improving communication with secondary schools, governmental agencies, and business/industry.
3. The College shall provide systems and processes to encourage student enrollment, increase retention, and facilitate transition into careers or further learning opportunities.
4. The College shall enhance instruction, student learning, and the delivery of administrative and educational services to students, faculty, and staff by implementing and supporting technological systems and services.
5. The College shall participate in regional economic development as a partner and innovative leader in training, retraining, and educational services provided to business and industries in the region.
6. The College shall ensure the efficient and effective use of all available resources by maintaining a high level of stewardship and accountability.
7. The College shall cultivate a learning environment that promotes cultural enrichment, communication, diversity, and lifelong learning opportunities for its constituencies.
8. The College shall increase access to baccalaureate and master degree programs for area citizens.

## **Mission Statement**

Arkansas Northeastern College is committed to providing accessible, quality educational programs, services, and lifelong learning opportunities.

## **Philosophy**

Because Arkansas Northeastern is committed to the ideal of the worth and dignity of individuals, its philosophy is to provide opportunities to youth and adults for development of purposeful, gratifying, and useful lives in a democratic society. The College accepts the national goal of providing at least two years of education beyond the high school level. Paramount in such education are programs of study designed to fit the needs of students of varying educational and vocational goals and those which provide co-curricular activities and community services consistent with the concept of the community college.

Operating in the larger context of local, state, regional, and national higher educational patterns, the College seeks to respond to the needs of individuals and their levels of ability and development.

Arkansas Northeastern College is committed to these purposes:

1. To provide an access to quality higher education opportunity for all individuals regardless of age, sex, race, or ancestry; economic, cultural or physical condition or previous educational attainment, within the provisions of law and resources available.
2. To provide programs of study for students who wish to transfer to other institutions to pursue a baccalaureate degree.
3. To provide occupational/vocational/technical programs and curricula leading to immediate employment and to offer programs for students who wish to upgrade their skills for current, or future, employment.
4. To offer programs in general education.
5. To offer credit/noncredit courses which meet community needs.
6. To offer developmental programs to improve basic skills.
7. To offer personalized counseling and support services.
8. To promote the civic and cultural activities and provide for the avocational needs of enrolled students.
9. To promote the civic and cultural activities of the community and provide for the avocational needs of the service community.
10. To provide a positive and constructive experience for new students enhancing their educational growth, aspirations, and abilities to continue their education at this institution and beyond.



## **Profile of Arkansas Northeastern College**

Arkansas Northeastern College is a leader in access to higher education by: offering the traditional first two years of college for students transferring to senior colleges and universities; providing the opportunity through its technical and professional programs to supply qualified graduates for the job market; establishing liaisons with local businesses and industry through the Solutions Group; implementing a nationally recognized adult education program; providing opportunities for personal growth and development; and providing noncredit offerings in Community Education.

A student profile reveals that female students outnumber male students and account for over 60% of the enrollment. Minority enrollment is approximately 30%. Over 100 high school students each semester are taking classes on one of the ANC campuses. The average age of an ANC student is 28. Approximately 45% of the College's enrollment is full-time. Of current students, approximately 30% are utilizing off campus centers. Students living in the Missouri Bootheel account for approximately 12% of the College's enrollment.

## **SERVICES**

### **Adult Education**

Arkansas Northeastern College Adult Education (ANCAE) is committed to empowering adult learners by improving their educational skills to achieve their personal goals. Adult education provides instruction in basic skills, preparation for the G.E.D., high school credit recovery, English as a second language, COMPASS/ASSET test (college) preparation, WAGE (employment skills), and computer literacy. ANCAE instruction is provided at a variety of locations in Mississippi and Greene Counties and many of these locations serve as official G.E.D. testing sites.

### **Bookstore**

The ANC Bookstore, operated by Follett Higher Education Group, is located in the Student Center on the main campus. The Bookstore provides students with required textbooks and supplies, as well as supplementary materials. Online book ordering and text book rental are also available through EFollett. In the Bookstore you will also find imprinted clothing, gifts, and novelty items. Eligible students may defer the cost of books through the Office of Financial Aid if applicable through the deferment period. The Bookstore provides textbook services during registration periods on the Burdette, Osceola, and Paragould campuses. Buyback services are available at the main campus, Osceola and Paragould campuses during buyback periods. The Bookstore's website is available for students to purchase books online at [www.anc.bkstr.com](http://www.anc.bkstr.com). Note: Beginning October 2015, the bookstore will be operated by BBA Solutions. Services provided to students by Follett will be honored by BBA Solutions.

### **Community Education**

The Community Education Department at the College is a non-credit, lifelong learning program that meets the changing needs of the community. Educational opportunities are continually developed and offered for citizens of all ages for a reasonable cost. These courses include dance, cooking, computer classes, and a wide variety of other offerings. The department also offers tours through many one day and overnight trips for those in the community. For more information, contact the Office of Community Education at 870-762-3168.

Adult classes are taught in a relaxed, friendly atmosphere where teachers take great satisfaction in passing on knowledge of their subject or skill to their students. In these non-credit courses you take no tests, receive no grades, no degrees – only the satisfaction of pursuing a hobby, developing a skill or becoming more knowledgeable of a subject. The department offers a variety of quality classes for children that are designed to provide fun and discovery. The children enjoy learning new things and meeting other students from all over the area.

Schedules of Community Education classes are published three times a year - January, May, and August. The schedule is available on the ANC website at [www.anc.edu/communityed](http://www.anc.edu/communityed). They are also readily available in area newspapers, libraries and through the Community Education office which is located in the Adams/Vines Building on the main campus in Blytheville.

## **Community/Students Fine Arts**

ANC offers diverse offerings for students and the greater community in the Fine Arts. These offerings include both Visual and Performing Arts and establish the foundation towards life-long fulfillment through Fine Arts.

The Visual Arts include : Studio Art (watercolor, painting, drawing) & Art Appreciation. The Performing Arts include: Multiple Choral Ensembles (traditional student ensembles, community/student based ensembles, and chamber ensembles); Instrumental Ensembles (Community Band, Chamber ensembles); Theatre Troupe (Musical and Theatrical productions; and Applied Music (voice, piano, organ, brass, percussion, and woodwinds). Music Appreciation and Fine Arts-Theatre are also offered as survey courses for the general education and interest.

Student, faculty, and community participation is encouraged and solicited in all activities. College enrollment is required to participate in some of the activities. Concerts and Theatrical Productions are generally free to the public.

## **Computer Laboratories**

The computer laboratories at the college are state-of-the-art, fully equipped with modern computers, printers, software, and networking. The labs are open to students enrolled in one or more credit hours at Arkansas Northeastern. The computer software on the hard drives or the network is protected by software copyright laws. Students are expected to abide by all regulations of the computer labs as stated in the student handbook available online at: [www.anc.edu/admissions](http://www.anc.edu/admissions).

## **Library Services**

The Adams-Vines Library was opened in 1993 and supports the instructional programs of the College. It provides learning resources for students, faculty and staff. The library is open six days a week and is staffed with personnel trained to help students access materials housed in the library. The collection includes books, journals and periodicals, electronic resources, and audiovisual materials. Computers located in the library provide internet access and word processing capabilities. Private study rooms are equipped to view videos and DVDs. A copy machine is provided for student use.

The Adams/Vines Library card catalog is fully automated and may be viewed online at <http://anec.polarislibrary.com>.

**Electronic Resources:** The library currently subscribes to a number of online resources. The four periodical databases give students access to full text magazine and newspaper articles in over 20,000 journals. The students also have access to over 645 online reference books and 155,000 e-books which can be used for research.

**Internet Access:** The computers located in the library provide internet access for students as well as word processing capabilities.

**Interlibrary Loan:** As a member of Online Computer Library Center (OCLC), the library has access to over 1.5 billion electronic, digital and physical resources. The library staff is able to borrow materials on loan for students, faculty and staff.

**Study Rooms:** Private study rooms are provided within the library for students.

Copy Machine: A copy machine is located in the library and copies are provided at 10 cents each.

### **TRiO - Educational Opportunity Center**

The Educational Opportunity Center is designed specifically for adults who plan to enroll in postsecondary education. Services include assistance with admissions applications, financial aid applications, and entrance test preparation. The EOC Advisors also sponsor informative workshops, cultural events, and field trips to various college campuses in the surrounding area. Each year, EOC provides services to 1,000 or more adults. All services of the EOC Program are free.

### **TRiO - Educational Talent Search**

The Educational Talent Search Program targets youths between the ages of 11 and 19 who have the desire and potential to succeed in postsecondary education. Each year, the ETS Program encourages at least 1,000 public school students to continue their education through graduation with the eventual goal of entering a postsecondary institution. The ETS Education Advisors provide a variety of services to area public school students: financial aid awareness, career counseling, college application procedures, cultural awareness, college trips, ACT Testing, and life skills; all are designed to assist students with enrollment procedures at the college of their choice. All services of the ETS Program are free.

### **TRiO - Student Support Services**

Student Support Services (SSS) provides services and activities designed to facilitate the academic growth and strengthen the personal and social development of eligible students. In addition to free tutoring, the program offers academic advising, career counseling, personal counseling, study skills workshops, and assistance in applying for financial aid. The program staff also assists students in the transfer process from ANC to four-year institutions.

### **University Center**

Through the Arkansas Northeastern College University Center, four-year, accredited institutions of higher education offer bachelor and master degrees on the Arkansas Northeastern College campus. For current program listings, class schedules and other information, check out the University Center link on the college's website at [www.anc.edu](http://www.anc.edu) or by contacting the ANC University Center Coordinator at extension 1107 or 870-762-3136. Currently, the following universities are offering degrees:

#### **Arkansas State University -**

Bachelor Degree:

B.S.E Early Childhood Education (870) 972-3059

B.S.E. Mid-Level Education (870) 972-3059

B.S. Business Administration (870) 972-3035

B.A. Criminology (870) 972-3705

B.A. Sociology (870) 972-3705

B.A.S. Applied Science (870) 972-2270

B.S. Technology Management (870) 972-2270

Masters Degree Now Online:

Educational Leadership (870) 972-3062

Curriculum & Development (870) 972-3062

Contact the ASU Degree Center Coordinator at ext. 1052 or 870-780-1257 for more information.

**Franklin University** – Offers a wide array of bachelor and master degrees.

Call (877) 341-6300 or visit [www.alliance.franklin.edu](http://www.alliance.franklin.edu) for more information

**University of Arkansas** – Master of Science in Operations Management. Call (479) 575-6031 or visit [www.msom.uark.edu](http://www.msom.uark.edu) for more information.

**The University of Arkansas at Fort Smith -**  
Bachelor of Applied Science (870) 733-6876  
Bachelor of Information Technology (870) 733-6027  
Visit [www.uafortsmith.edu](http://www.uafortsmith.edu) for more information



Arkansas Northeastern  
COLLEGE

Admissions & Records

# ADMISSIONS AND RECORDS

## Admission Categories

Arkansas Northeastern accepts students in the following categories:

### 1. Regular Admission

#### a. Unconditional First Admission \*

A student admitted unconditionally is a student admitted to the institution without requirements, conditions, or restrictions placed on initial enrollment status. Unconditional first admission includes any applicant who has no previous college enrollment and:

- who prior to May 1, 2002, graduated from an accredited high school or earned a GED equivalency certification.
- who has graduated from Arkansas public high school or out-of-state high school after May 1, 2002, and has completed the core curriculum for unconditional admission to public colleges and universities (Act 520 of 1999).
- who received a GED or graduated from a private high school or home school after May 1, 2002, and has a composite score of 19 on the American College Test (ACT) or the equivalent score on the COMPASS (Act 520 of 1997).
- who has earned an ACT of 19 or above or equivalent COMPASS score in Reading and English and an ACT of 21 or above or equivalent on the COMPASS in Math.

#### b. Conditional First Admission \*

Any applicant who has no previous college enrollment and does not meet the requirements for unconditional admission will be classified as conditional first admission. A student admitted conditionally is a student who has earned an ACT of 15 or above or the equivalent COMPASS score in Reading, English, Writing and Math and is admitted with certain requirements, conditions, or restrictions placed on initial and/or future enrollment status (Act 520 of 1997).

#### c. Conditional Prep Admission

Any applicant who has no previous college enrollment and scores an ACT of 11-14 or equivalent COMPASS score in reading, writing, and math will be classified as conditional prep status. A student admitted with Conditional Prep Status will be admitted with certain requirements, restrictions and conditions placed on their initial and future enrollment status. A conditional prep student may not declare an associate degree program. The student will be allowed to enroll only in designated certificate programs for which the required placement scores are met.

#### d. Readmission

Students previously enrolled at Arkansas Northeastern who have been out of school for one or more semesters should file an application for readmission. Official transcripts must be provided from all institutions attended since the previous Arkansas Northeastern enrollment. Students who return after an absence of ONE semester are readmitted under the same catalog which was in effect at the time of their last enrollment. Students readmitted after an absence of TWO OR MORE semesters (or one calendar year) are admitted under the catalog in effect at the time of their readmission. Students who change their degree programs are governed by the catalog that is in effect at the time of their admission to the program.

#### e. Ability to Benefit

Persons at least 18 years of age who have not graduated from an accredited high school and who have not completed the GED examination will be admitted as a regular student after scoring an ACT of 11 or above (or the equivalent COMPASS score) in Reading, Writing, and Math. \* Not Financial Aid eligible.

#### f. Transfer Students

Students previously enrolled in other post-secondary institutions must provide evidence of good standing at those institutions. An official college transcript must be sent from each institution previously attended to the Registrar's Office at Arkansas Northeastern. Students who are not eligible for readmission to their previous institution will not be considered for admission to Arkansas Northeastern until they have been out of school for at least one regular term (spring or fall), or are eligible to return to the institution previously attended. **All transcripts must be received by the Registrar's Office prior to enrollment.**

## 2. High School Students

- a. Currently enrolled high school students in grades 9 through 12 may enroll for college credit, with a signed High School Authorization Form, approval from their high school principal or counselor, and appropriate placement test scores.
- b. The student's combined course load for both high school and college cannot exceed a normal full-time load for either institution.
- c. High school students must provide ACT or COMPASS scores for placement purposes.

## 3. Special

- a. Students who are non-degree seeking or who have previously completed a college degree and do not wish to pursue a degree at the college may be admitted as special students.
- b. Persons who wish to enroll for self-enrichment or skill improvement may do so as special students. Upon completion of **12 or more semester hours**, special students may be reclassified as regularly admitted students and will be encouraged to pursue the completion of a degree.
- c. Temporary students maintaining primary enrollment at another college or university may enroll for one semester or summer session per academic year for courses to be transferred back to the parent institution. Evidence of good standing at the primary institution must be provided prior to enrolling at Arkansas Northeastern College. For courses requiring pre-requisites, official college transcript(s) must be received showing the required course

## ADVISEMENT AND PLACEMENT

Students entering Arkansas Northeastern College for the purpose of obtaining a certificate or degree are required to submit placement test scores before registering. The Arkansas State Legislature established in Section 19 of Act 1052 of 1987 a testing and evaluation program for all degree or technical certificate students in the state. The Arkansas Department of Higher Education followed the established guidelines and issued cut-off scores for student placement in college level or preparatory level courses in math, English composition, and reading skills. Students may submit scores from the American College Test (ACT) or the COMPASS. Students transferring to Arkansas Northeastern College are not required to submit test scores for placement if they have successfully completed a college level course in English composition, a college level math course, and/or made satisfactory progress in other college level courses. Arkansas Northeastern requires ACT, or COMPASS scores prior to enrollment in college level math, composition, reading, and selected occupational courses.

Students without one of these test scores at the time of registration will be required to take the COMPASS test at Arkansas Northeastern College. Students should arrange to take the COMPASS before registration. Students may schedule the COMPASS assessment, at their convenience, through the *Testing Center*. This placement service is free to the student. For more information, contact the Testing Center at 870-762-3104.

In order to be admitted, prospective students must score an ACT of 11 or above (or the equivalent COMPASS score) in all three areas: Reading, Writing, and Math. Students scoring an ACT of 15 or above (Reading, Writing, and Math) or the equivalent COMPASS score may declare any degree or certificate program. Students scoring between 11 and 14 on the ACT (Reading, Writing, and Math) will have a limited menu of program options. Students who do not achieve the required score will be given the opportunity to improve their basic skills and retest through the Adult Education Center.

## Classification of Students

*Freshman* - A student who has earned less than 30 semester hours of college credit.  
*Sophomore* - A student who has earned 30 or more semester hours of college credit.

### **Concurrent Credit Opportunities - Secondary Technical Center**

Arkansas Northeastern College's Secondary Technical Center, located on the ANC Burdette Center campus, provides career and technical courses for high school students in automotive services, criminal justice, education, medical professions, welding, advanced manufacturing, and building trades. Work ethics, employability, leadership, and teamwork skills are embedded in the curriculum.

Students can earn concurrent credit for classes that are aligned with college course curriculum. Credit attempted and earned through this program will be posted to a college transcript and becomes a part of the student's permanent academic and financial aid record. The grades earned as well as credit attempted and earned will be included in all grade point averages and completion rates to determine satisfactory progress for both academic and financial aid calculations.

### **Concurrent Credit Opportunities – Early College Program**

The Arkansas Northeastern College Early College Program (ECP) offers eligible high school students the opportunity to earn college credit while still attending high school. The program is a partnership between ANC and participating school districts. High school students can earn concurrent credit for classes that are aligned with college course curriculum. Credit attempted and earned through this program will be posted to a college transcript and will become part of the student's permanent academic and financial aid record. The grades earned as well as credit attempted and earned will be included in all college grade point averages and completion rates to determine satisfactory progress for both academic and financial aid calculations.

High school students must obtain approval from their principal or counselor and meet certain eligibility requirements. Students availing themselves of this legislative approved option can accrue a significant number of college credits prior to their graduation from high school. The ANC Early College Program Student Guide is designed to provide students information on applying, registering, and paying for courses and is available on the College website.

### **Curricula**

Arkansas Northeastern College offers a large array of educational options to meet the needs of students. These include both credit and non-credit offerings in the form of traditional courses, online courses, compressed video courses, workshops, and seminars. *See Programs of Study.*

### **Educational Records - FERPA**

The Registrar's Office maintains a permanent record on each student which contains his or her application for admission, transcripts received from other institutions, and other pertinent documents. Students are allowed to examine their files, but must first make an appointment through the Registrar's Office.

Student educational records (except directory information) are confidential, and access is restricted to: (1) the student, (2) Arkansas Northeastern faculty and staff who have a legitimate educational interest, and (3) authorized officials/agencies cited in the Family Educational Rights and Privacy Act of 1974, as amended.

Directory information is defined as the student name, address, telephone number, major field of study, classification by year, number of hours in which enrolled and number completed, dates of attendance, degrees and awards received, including type and date granted. Directory information is considered public information; however, a student may request that his/her directory information be classified as confidential. Such requests should be made in writing to the Registrar each semester at the time of registration. No information may be released on students whose records have been classified as confidential. A copy of Arkansas Northeastern College's Educational Records Policy is available in the Registrar's Office.

### **Equal Opportunity**

Arkansas Northeastern College offers equal educational opportunity to all persons without regard to race,



sex, creed, color, national origin, age, marital status, or handicap. Admission inquiries should be addressed to the Admissions Office. This office receives and processes all applications for admission, high school transcripts, and college transcripts, immunization records (two MMR's), and issues notices of acceptance to qualified applicants. Students may enter at the beginning of the fall, spring, or summer semester. Students wishing to enter any of the Associate of Applied Science programs should check with the appropriate department or the ACE Advising Center in order to be familiar with any special admission requirements. Please note that **Admission to the College does not ensure admission to any particular program of study.**

### **Immunization Requirements for all enrollees at Arkansas Colleges and Universities**

Arkansas State Law, Act 141 of 1987, requires college students born after 1/1/57 to provide proof of two MMR Immunizations or immunity against measles, mumps, and rubella within 30 calendar days of enrollment. Exemptions shall be granted only by the Department of Health and must be applied for each academic year. Forms can be obtained by e-mail only at [www.immunization.section@arkansas.gov](mailto:www.immunization.section@arkansas.gov) after July 1, each year.

### **Registration Procedures**

Students should:

1. Obtain and complete an Application for Admission form and return it to the Admissions Office. Application forms are available in the Admissions Office, extended campus centers, and on the ANC website ([www.anc.edu](http://www.anc.edu)).
  2. Request that official transcripts be sent to the Registrar's Office from the high school from which he/she graduated (or present high school equivalency diploma—GED scores). Transfer students should request that official transcripts from all colleges or other postsecondary institutions previously attended be sent to the Registrar's Office.
  3. Take all completed documents to the Registrar's Office for residency determination.
  4. Provide proof of Immunization.
  5. Provide Placement Test Scores (if applicable)
  6. Contact an advising specialist for academic advising, and complete a class schedule form. (Admissions Office: (870) 838-2955)
  7. Students on scholarships and grant recipients should contact the Student Financial Aid Office regarding fee deferments. (Financial Aid Office: (870) 762-3103)
  8. Contact the Business Office for assessment and payment of fees. Registration is completed when all fees have been paid, deferments authorized, and a student ID is issued.
- NOTE: All courses listed in the schedule are subject to change or cancellation.

### **Transfer Policy**

Students transferring to Arkansas Northeastern College from another college or university must request that official transcripts of their academic records be sent to the Registrar at the college. All transcripts should be received and evaluated prior to admission. Individual's transcript records at Arkansas Northeastern will be withheld if transcripts are not received by the Registrar's Office by the end of the term.

Credit accepted for transfer must have been earned at an accredited college or university with a grade of "C" or better for which Arkansas Northeastern offers equivalent courses. Transfer courses with no Arkansas Northeastern equivalent offerings will be evaluated for possible general elective credit. Transcripts from non-accredited colleges will, in general, be evaluated on the same basis as that used by the state university of the state in which the transfer college is located. Transfer students must be in good academic standing at the last institution attended. Entering transfer students should have a cumulative grade point average which falls within Arkansas Northeastern College's guidelines for good academic standing. Students on academic suspension from another institution will be eligible for admission after having remained out of school for one semester. No transfer student will be admitted who is ineligible to return to the transfer institution. Students must be enrolled as certificate or degree candidates at Arkansas

Northeastern in order to have transfer credit evaluated and added to their permanent record. Initial transfer credit is evaluated based on student's major.

Grades earned in transfer courses are not considered in calculating students' grade point averages. The cumulative grade point average at Arkansas Northeastern is computed only on Arkansas Northeastern courses completed. Transfer credit will be recorded showing the equivalent Arkansas Northeastern course title and credit hours. Vocational or technically oriented courses will be accepted when directly related to a particular applied science program at Arkansas Northeastern and will be applicable only toward the appropriate Associate of Applied Science degree.

### **Arkansas Course Transfer System (ACTS)**

The Arkansas Course Transfer System (ACTS) contains information about the transferability of courses within Arkansas public colleges and universities. Students are guaranteed the transfer of applicable credits and the equitable treatment in the application of credits for the admissions and degree requirements. Course transferability is not guaranteed for courses listed in ACTS as "No Comparable Course." Additionally, courses with a "D" frequently do not transfer and institutional policies may vary. ACTS may be accessed on the Internet by going to the ADHE website (<http://adhe.edu>), click the student tab and then Arkansas Course Transfer System. ACTS Equivalent Course numbers are listed in the course description section of the catalog. For questions concerning the transferability of courses not listed on the ACTS transfer list, contact the Registrar's Office of the college in which the student is transferring.

### **Residency Regulations for Fee Assessment Purposes**

Students are classified for fee assessment purposes on the basis of their legal domicile (or that of their parents, if they are minors). No student shall be classified as an "in-county" student for fee purposes unless he or she is a genuine resident of Arkansas and has resided in this county in that status for at least six consecutive months prior to the beginning of the term for which the fees are to be paid. The six-month requirement may be waived for persons, their spouses, and their unmarried children under the age of 23, who move to Arkansas with attendance at Arkansas Northeastern only as a by-product of the primary purpose of establishing domicile in this state. Residency determinations are made by the Registrar and are based on the regulations and guidelines of the Arkansas Department of Higher Education. Such guidelines are on file in the Registrar's Office and are available for review upon request.

### **Semesters & Terms**

Credit classes are scheduled on a semester basis. Fall classes begin in mid-August and conclude in December. Spring classes resume in mid-January and continue through mid-May. Two summer terms are offered in the daytime, one in June and the other in July, with an evening and online summer term beginning in June and ending in July.

### **Student Hold List**

A student hold list is maintained in the Registrar's Office. Students may be placed on this list for the following reasons:

- Failure to register with the Selective Service.
- Incomplete records, including high school transcripts, college transcripts from other institutions, and immunization records.
- Other obligations to the college such as library materials, equipment, and textbooks which have not been returned.
- Proof of Good Standing
- Unpaid financial obligations to the college.

*The following restrictions apply to those students whose names are placed on the hold list:*

- Enrollment may not be certified to the V.A., Social Security Administration, employers, or other outside agencies.
- Further enrollment at Arkansas Northeastern will be denied.
- Graduation diploma will not be released.

- Records will not be released.
- Transcripts will not be released.

The student's name will be removed from the hold list, and restrictions removed, when his or her obligations to the institution have been resolved.

### **Transcripts**

Students transferring from Arkansas Northeastern College to another college or university should request that an official transcript of credits earned at ANC be sent to the Registrar's Office at the institution to which they plan to transfer. "Transcript Request" forms are provided for this purpose in the Student Services Department and are available on the ANC website ([www.anc.edu/admissions](http://www.anc.edu/admissions)). No transcript may be released without the written consent of the student. Students with outstanding financial obligations, incomplete records and other obligations to Arkansas Northeastern College may not have transcripts released.



Arkansas Northeastern  
COLLEGE

Tuition & Fees

# TUITION AND FEES

Arkansas Northeastern College's tuition costs are among the most affordable in the tri-state region and are significantly less than those at four-year institutions.

Tuition/Technology Fees are assessed to a maximum of 18 credit hours each semester. Students enrolled in more than 18 credit hours will not be charged for any hours above the 18.

The following fees are in effect at the time of this document; however, the listing of any fees does not constitute a contract between the College and the student. Because of changing economic and regulatory conditions, it may be necessary to alter the fee structure before the next edition of the catalog is published. As a condition of registration, each student will pay the fees in effect at the time of registration.

<b>PER SEM HR.</b> <i>(maximum of 18 18 semester hours)</i>	<b>In-County</b>	<b>Out-of-County*</b>	<b>Out-of-State**</b>	<b>International</b>
	\$65.00	\$75.00	\$125.00	\$125.00

\* Includes the Missouri counties of Dunklin, Pemiscot, and New Madrid

\*\* Includes Obion, Dyer, Lauderdale, Tipton, and Shelby Counties in Tennessee

## STUDENT BILLING POLICY

Upon completion of registration, a student acknowledges the financial responsibility commitment for all associated tuition and related fees. Fees are payable at the time of registration each term. A complete schedule of tuition, fees, and refund schedule by semester are published in the current college catalog and the college web site. Registration is considered complete when a payment or a deferment is entered on the student account in the Business Office. Any unpaid charges may be subject to collection agency fees, attorney fees, or state income tax attachment (Act 372 of 1983 as amended). Any outstanding balance will place a student on financial hold. This will prevent a student from accessing academic records on Campus Connect or myANC (the college web site), bar the student from registration, and will prevent the student from receiving an official transcript.

Students can view their account on the college website using the following links: Student Campus Connect, Log in using student ID and pin number, click drop down – student Information. Choose Pay/Review Account. Payments can be made at the Business Office Monday through Friday during the hours of 8:00 a.m. - 4:30 p.m. or online by credit card. ANC accepts cash, checks, credit cards, (American Express, Visa, MasterCard, Discover/Novus), and debit cards backed by a credit card company. Payments can be mailed to the following address:

Arkansas Northeastern College, Business Office  
P.O. Box 1109  
Blytheville, AR 72316-1109

Debit and credit card payments may be made by calling the Business Office at (870) 762-3120. An installment payment plan is available upon request. Fall and spring semester tuition and fees may be divided into three payments, the first payment due at registration. The summer term may be divided into two payments, the first payment due at registration. The student will be required to sign an installment agreement clearly stating the payment due dates. At the present time no additional fee is charged for late payments. If a student can provide proof of current Financial Aid from another institution of higher education, a 45-day deferment may be granted. If a student has not made the payment of tuition and fees, or submitted a deferment to the Business Office, before the 4th day of class for Spring/Fall or before the 2nd day of class for Summer semester, they will be administratively withdrawn from all classes.

## TUITION

Tuition-In-County	\$65 per credit hour**
Out-of-County Residents	\$75 per credit hour**
Out-of-State for Missouri Bootheel & Tennessee Border Counties*	\$75 per credit hour**
Out-of-State Residents	\$125 per credit hour**
International Students	\$125 per credit hour**

\*Residents of Dunklin, New Madrid, and Pemiscot Counties, in Missouri, and residents of Obion, Dyer, Lauderdale, Tipton, and Shelby Counties, in Tennessee, will be charged \$75.00 per semester hour. Residency for fee purposes will be determined at the time of enrollment. The classification will be made by the Registrar in accordance with regulations of the Arkansas Department of Higher Education.

## Additional Fees

Registration/Infrastructure Fee	\$25 per term
Technology Fee**	\$10 per credit hour
AC & Refrigeration Industry Competency Exam Fee	\$40
AC & refrigeration EPA Exam Fee	\$60
Air Conditioning/Refrigeration Course Fee	\$30 per AC/Ref. Course
Art Fee	\$40 per course
Automotive Course Fee	\$20 per Auto course
Aviation Maintenance Fee	\$45 per credit hour
College Prep Fee	\$30 per course
Commencement Fee:	\$40
Computer Lab Fee	\$40 per course
Construction Fees	\$50 per course
Dental Assisting ADAA Dues Fees	\$35
Dental Assisting Continuing Education Course Fall Fee	\$40
Dental Assisting Continuing Education Course Spring Fee	\$65
Dental Assisting Fee	\$33 per course
Dental Assisting Student Insurance Fee:	\$25
Early Childhood Development Associate Exam Fee:	\$350
Early Childhood Development CDA Application	\$30
Early Childhood Development Student Insurance Fee	\$70
ECG/Rhythm Strip Monitoring	\$35 lab fee
Emergency Medical Technician & Paramedic Liability Insurance	\$71
Emergency Medical Technician	\$90 per basic course
Emergency Medical Technician/Paramedic	\$47 per course
HESI Testing Fee	\$45 per Concepts of Nursing course
IC3 Testing Fee	\$85 per Internet Application II course
Internet Course Fee	\$20 per credit hour
Licensed Practical Nurse Fee	\$45 per nursing course
Microsoft Access Testing Fee	\$80 per Database Management course
Microsoft Excel Testing Fee	\$80 per Spreadsheet Applications course
Microsoft Word Testing Fee	\$80 per Word Processing course
Music Fee	\$65 for each ½ hr. lesson per week/\$90 per 1 hour lesson
Networking Course Fee	\$10 per course
Paragould R.N. Course Fee	\$46 per CV course
Patient Care Tech (PCT) Liability Insurance Fee	\$25
Patient Care Tech (PCT) ECG Course Fee	\$35 per course
Phlebotomy Fee	\$50 per course
Phlebotomy Liability Insurance Fee	\$25
PRAXIS Test Fee	\$130 per Praxis Prep I course

Public Safety Dispatch Fee .....	\$80 per course
Racquetball .....	\$60 per course
Registered Nurse Fee .....	\$275 per Fundamentals & LPN/RN Transition Course; \$113 all others
Returned Check Fee .....	\$30 per check
RN and Licensed Practical Nurse Student Malpractice Insurance Fee .....	\$25
Science Fee.....	\$40 per laboratory course
Welding Certification (ARC) Test Fee .....	\$150
Welding certification (MIG) Test Fee.....	\$150
Welding Certification (TIG) Test Fee.....	\$150
Welding Course Fee .....	\$50 per Welding course

\*\*Tuition/Technology fees are assessed to a maximum of 18 credit hours each semester.

### Refund of Tuition and Fees for Credit Courses

A full refund of all tuition and fees for the fall or spring semester will be made for persons who officially withdraw from the course before the end of the second week of classes on the academic calendar. A full refund of all tuition and fees for a summer term or shorter courses will be made for persons who officially withdraw from the course by the end of the first week of classes. Refunds will be made according to the following schedule (upon completion of an official withdrawal form through the Registrar's Office). Refunds involving Title IV funds will be restored to the Title IV fund proportional to the amount received.

<u>Fall or Spring Semester</u>		<u>Summer Term or Shorter Courses</u>	
1st/2nd Weeks	100%	1st Week	100%
3rd Week & thereafter	0%	2nd Week & thereafter	0%



Arkansas Northeastern  
COLLEGE

Student Services & Activities



# STUDENT SERVICES & ACTIVITIES

Arkansas Northeastern College recognizes the total college experience extends beyond the formal classroom. The student's personal and social development is supported by varied co-curricular programs.

## GENERAL INFORMATION

### Advising Services

#### Academic and Career Enrichment Advising Center

The ACE Advising Center provides intensive academic and career counseling to students. Designed to offer professional guidance in the process of enrollment, from placement testing to career and goal setting. This format offers students a very hands-on approach in their decision-making.

The ACE Advising Center utilizes data analysis and test scores to direct students toward paths where their interests and aptitude intersect. Testing services are available including: CLEP, COMPASS, a variety of interest inventories, and career exploration.

Tutorial services are available through the Academic and Career Enrichment Tutoring Center on an individual basis for those who have difficulty with instructional materials. The tutors work with individuals needing help on an appointment basis. The Tutoring Center works to match students and tutors based on subject areas and available times. In addition to providing tutoring services, the Tutoring Center offers other resources available to ANC students. The Tutoring Center houses books on a variety of subjects—that students may use while in the center. Additionally, the Tutoring Center has computers available for ANC students to complete homework or ANC related work. Any student needing assistance with his/her classes may contact the Tutoring Center located in Statehouse Hall Room S144 (next to the ACE Advising Center).

Offering a host of free services to ANC students such as access to computers in the computer lab, one-one-tutoring, group tutoring, workshops in areas such as test anxiety, study skills, note taking, etc.

Students planning to transfer to senior colleges, such as Arkansas State University, the University of Arkansas, Southeast Missouri State University, and other institutions should work closely with their advisor to assure the transfer of credits.

#### ANC Connections

The College's bi-annually magazine is published and direct mailed throughout the service district. Copies are also made available at each campus location for students, faculty, and staff. To place announcements in this publication, students and organizations must provide information to the Associate Vice President for Development and College Relations or the publication editor.

#### ANC NewsLinks

The ANC NewsLINKS is a weekly, internal newsletter for faculty and staff of Arkansas Northeastern College which provides them with current information regarding upcoming student events. Faculty and staff use this document to stay abreast of student activities for announcement in their classes.

#### Bookstore

The College's bookstore, located in the Student Center, provides the textbooks and supplies needed for Arkansas Northeastern College courses. Eligible students may defer the cost of books, book rental, and supplies through the Financial Aid Office. Bookstore services are also provided during registration periods on the Burdette, Osceola and Paragould locations.

#### Career Counseling

To assist students in career planning, the College provides career information services. Information about a wide range of careers and assessment services are available to assist students in defining their career and educational goals. Workshops and other assistance relative to resume writing and job interviewing techniques, are provided as well as information relative to local job opportunities through its virtual career center found at ANC's home page [www.anc.edu](http://www.anc.edu).

### **Child Care Services**

Mississippi County Head Start has entered a partnership with the College to provide child care for students of the College on the main campus. Through a grant from the Rex and Alice A. Martin Foundation, the "NIBCO Children's Care Center" was created through the renovation of a facility on the back side of the main campus. This facility operates while classes are in session at the College. Parents of infants, toddlers, and preschoolers are encouraged to apply early. Students may check with the NIBCO Children's Care Center on the main campus or contact the program director of the Mississippi County Head Start at 870-532-2348.

### **Food Services**

Food services on campus are available in the Outback Café, located in the Student Center on main campus. Students may purchase hot entrees, salads, sandwiches, drinks, and snack items. The snack bar is open Monday through Thursday while classes are in session.

Packaged foods, soft drinks, and other such items are available via automated vending machines throughout the different campus sites both day and evening.

### **Google Apps For Education**

Email accounts for faculty, staff, and students of Arkansas Northeastern College are provided by Google Apps for Education. Although hosted by Google, the email addresses will be ANC email addresses. The ANC student email is the official communication tool between college faculty and staff, and students. In addition to providing student email addresses, Google Apps will enable students to share calendars, call or instant message their contacts, and collaborate with peers, by sharing and working together on documents, all online. With any web enabled phone students can send and receive email, schedule and retrieve events and reminders from their calendar so they can stay connected.

### **Identification**

Students are provided a photo ID at the point of registration from the ANC Security Office, located in the Student Center. All students must present a valid student ID when positive student identification is necessary. ANC facilities such as the Adams/Vines Library and the Briggs/Sebaugh Wellness Center require a valid student ID for their use.

### **Intramural Recreation**

Students may participate in a variety of intramural sports activities provided each year at the Briggs/Sebaugh Wellness Center. The development of this program is directed by staff and student interest. Intramural activities include basketball, flag football, volleyball, and other seasonal sports.

### **Japan Ambassadors**

The Arkansas Northeastern College Foundation, along with a donor company—Yamato Kogyo, Ltd. of Japan, works to increase student opportunities and enrichment through the Arkansas Northeastern College Ambassadors to Japan Program. The Foundation co-sponsors two Arkansas Northeastern students each year as ambassadors to Japan for a two-week stay. Students learn about a new culture, share their culture with the Japanese and, when they return, share what they have learned with the College and community.

### **Lost and Found**

Misplaced articles are held in the Security Office, located adjacent to the Outback Cafe in the Student Center. Positive identification is necessary for claiming an item. Unclaimed articles are normally discarded at the end of each semester. Evening students may contact the Public Safety Officer for lost and found articles.

## **myANC**

myANC is Arkansas Northeastern College's web portal and Learning Management System (LMS). myANC is an online web tool that allows faculty, students and staff to collaborate and communicate in a variety of ways for courses and other approved campus groups. myANC houses *Campus Connect* for students and faculty and course level chat rooms, forums, announcements, online quizzes, tests and other coursework and assignments, and online grading as part of the LMS called *e-Racer*. The school's calendar of events, message board and emergency notification system are part of myANC. Although some of myANC's information is available to the public, a personal UserID and password is required to access most of the portal. myANC can be found at <http://myanc.anc.edu> or accessed using the link on our homepage, [www.anc.edu](http://www.anc.edu). Help for new users is available through the myANC Tutor tab found on myANC or by emailing [ANCHelp@smail.anc.edu](mailto:ANCHelp@smail.anc.edu).

## **Parking**

Parking is available and free at all campus sites. On the Blytheville campus, there is ample parking for students, visitors, and employees on the east side for easy access to the John P. Sullins Administration Building, B and C Wings, Adams/Vines Library, and the Angela Wren Nursing and Allied Health Center. There is also parking on the west side of campus near the Briggs/Sebaugh Wellness Center and Statehouse Hall. Parking areas are for general parking and handicapped parking is clearly marked. Parking areas are patrolled by college security personnel throughout the day and night. During evening hours, lighting in the parking areas and at the entrances to the buildings gives added security for students and employees.

## **Services for the Disabled**

Recognizing its responsibilities regarding Section 504 of the Rehabilitation Act of 1973 and American Disabilities Act, ANC is committed to providing all students equal access to its educational opportunities. If you have a disability, contact the Admissions Office in Student Services for assistance with class scheduling, parking, transportation, study aids, etc. To allow us to anticipate your special needs, contact us prior to arrival.

The campus, in its design, includes many features that provide ease of access to the various areas. The following features were designed for persons who use wheelchairs or have mobility impairments: alternate lowered water fountains, elevators to all second floor areas, ramps, reserved parking, restrooms with wide doors and side rails, and wide door openings to all other rooms. Automated doors are provided throughout the ANC campus.

## **Student Center**

The Student Center, located in the John P. Sullins Administration Building on the main campus,

## **Sun Room**

The newly constructed ANC Sun Room, located in the Student Center, was designed to bring together students of Arkansas Northeastern College in a common area to engage in student activities, socializing, playing games, student club meetings and even study groups. ANC believes engagement in these various activities will contribute to the student's educational, emotional and social growth through informal interaction. The Sun Room offers games such as Billiards, Air Hockey, an Arcade Game Station and Touch Screen Game Station, Table Tennis, Video Games and various Table Games. A large Multi-purpose Room is also available for student club meetings, group and individual study, playing board games, individual electronic device use, and other student related activities.

## **Student Publications**

ANC Students are encouraged to contribute to the *ANC Connections* with a section of the publication being specifically held for student contributions when submitted. Additionally, the English faculty work with students to create a yearly magazine *Energy* which includes creative writings, photography, and artwork by students.

## **Student Medical Services**

Arkansas Northeastern College does not provide medical related services, nor does the College assume responsibility for injuries incurred by students during any College activity. Physical examinations, which may be required for some courses or activities, must be verified in writing by an examining physician.

## Student Housing Referral

Arkansas Northeastern College is a commuter college and, therefore, residential facilities for students are not available on the campus. Students desiring housing accommodations are encouraged to inquire through local housing sources.

## Telephone Service

Students are not normally permitted to use college telephones except for emergencies. The College will not accept telephone messages or requests to call students to the telephone except in cases of serious illness or death in the student's immediate family.

## Testing Services

The Testing/Assessment function is coordinated through the Testing Center. Students enrolling in certificate or degree programs must be assessed in basic skills. Any student can take advantage of this free assessment program in order to better plan a successful course of study. COMPASS Testing is offered by the College at no charge to all students who have applied to ANC. In addition, the office provides testing services for CLEP, PRAXIS, PAX RN and PN.

## SEXUAL HARRASSMENT POLICY

Arkansas Northeastern College is committed to providing an environment that is free from any sexual harassment. It is the policy of the College to maintain the College community as a place of work and study for staff, faculty, and students free of sexual and gender harassment. Sexual harassment of employees is prohibited under Title VII of the Civil Rights Act of 1964 and sexual harassment of students may constitute discrimination under Title IX of the Education Amendments of 1972 as amended. Harassment may otherwise be defined under the Equal Employment Opportunity Commission guidelines. Individuals who are subjected to sexual or gender harassment are encouraged to pursue the matter through the established informal and formal grievance procedures. Generally, the informal procedures afford an opportunity to explore a problem and consider alternative means for its resolution.

### Sexual Harassment / Assault

Arkansas Northeastern College is committed to maintaining an environment that is safe and that supports educational and career advancement on the basis of job and academic performance. Sexual assault, relationship violence and stalking subvert the mission of the College and offend the integrity of the College community. Sexual assault is not only an act of physical violence, but an attack on one's sense of safety, well-being and dignity. Sexual assault is a form of sexual harassment. The ANC Sexual Harassment policy prohibits all forms of sexual harassment, including sexual assault. The ANC Sexual Harassment Policy applies to all members of the College community -- faculty, staff, and students.

What Is Sexual Assault? Actual, attempted or threatened sexual contact with another person without that person's consent.

What Is Sexual Harassment? Unwelcome sexual advances, unwelcome requests for sexual favors, or other unwelcome behavior of a sexual nature when:

- submission to such behavior is made, explicitly or implicitly, a term or condition of an individual's employment or status in a course, program, or activity; or
- submission to or rejection of such behavior is used as a basis for a decision affecting an individual's employment or participation in a course, program, or activity; or
- such behavior is so severe, persistent, or pervasive that a reasonable person would find that it:
  - a. alters the terms or conditions of a person's employment or educational experience, or
  - b. unreasonably interferes with an individual's work or performance in a course, program, or activity, thus creating a hostile or abusive working or educational environment.

How To Report Sexual Harassment / Assault: Complaints of sexual harassment/assault are investigated and handled pursuant to the College's Sexual Harassment Policy.

- If the alleged harasser is a faculty or staff member, the complaint should be made, orally or in writing, to the alleged harasser's respective Academic Dean or to the College's Title IX Coordinator.
- If the alleged harasser is an administrator, the complaint should be made, orally or in writing, to the respective Vice-President or to the College's Title IX Coordinator.

- If the alleged harasser is a student, the complaint should be made to the Vice-President of Student Services or to the College's Title IX Coordinator.

**Title IX Coordinator:** *James McClain Vice-President for Management Information Technology Services/Human Resources 2501 S. Division, Blytheville, AR 72315 (870)762-1020 jmccclain@smail.anc.edu .*

## STUDENT CONDUCT

Arkansas Northeastern College is a tax-supported educational institution whose mission is to provide educational opportunities to all who enroll. Enrollment as a student at the College is a voluntary entrance into the academic community through which the student voluntarily assumes obligations of performance and behavior which are imposed by the College relevant to its lawful missions, processes, and functions. Arkansas Northeastern College reserves the right to discipline students to secure compliance with its missions, processes, and functions.

The College may ask the student to leave the academic community. Although it is impossible for a regulation to cover every possible act of misconduct, the principle areas of misconduct which may subject a student to disciplinary action are as follows:

2. Possession, use, and/or distribution of alcoholic beverages, in any form, in or upon College grounds.
3. Use, distribution, or possession of drugs, narcotics and/or chemicals without medical prescription under medical supervision.
4. Gambling on or about College property.
5. Disorderly or disruptive conduct which substantially threatens, harms, or interferes with College classes, personnel, students or visitors, or orderly College processes and functions, including but not limited to (a) fighting, (b) public intoxication, or (c) lewd, indecent, obscene conduct, or expression on College property or at any College sponsored function.
6. Entering a locked area or vehicle of another student or other unauthorized use of College property.
7. Dishonesty, such as cheating, plagiarism, sale or purchase or exchange of term papers or research papers, or knowingly furnishing false information, including forgery, alteration, or misuse of College documents, or identification.
8. Physical assault or abuse or attempted physical assault or abuse, or conveyance of threats of physical assault or abuse, of any person on College owned or controlled property or at College sponsored or supervised functions or conduct which threatens or endangers the safety or health of such person.
9. Violation of College policies or regulations concerning approval of student organizations, the use of College facilities, or the time, place, and manner of public expression.
10. Failure to comply or willful obstruction with the legitimate oral or written directions of College personnel acting in the performance of their duties.
11. Illegal or unauthorized possession or use of firearms, fireworks, other weapons, or chemicals which are of an explosive or corrosive nature.
12. Theft, attempted theft, possession, sale or barter, destruction, vandalism, misuse, or threats to destroy any property of the College or of a member of the College community or campus visitor.
13. Any student operating a vehicle on the campus must abide by the stated rules of the College regarding the operation/parking of such vehicle.
14. Engaging in overt physical acts which interfere with the normal activities of the College; the creation of any disturbance or noise so as to disturb others and/or interfere with the College's learning environment are prohibited. Radios (including automobile radios) are not allowed to be played within the buildings or on the grounds unless earphones are used or unless the radio is played in an appropriate area of the grounds and at a volume not disturbing to others. Cellular phones must be turned off while in class.
15. The making of false fire alarms, tampering with fire extinguishers, alarms, or other safety equipment.
16. Engaging in hazing such as any action taken intentionally to produce mental/physical discomfort, embarrassment, ridicule, or possibly cause mental/physical harm or injury to any person.
17. Violation of the College computer use policy found in the Student Handbook. Students are subject to

all national, state, and local laws and ordinances. If a student's violation of such laws or ordinances adversely affects the institution's pursuit of its educational objectives, the College may enforce its own disciplinary policies and procedures. In order to maintain a drug free campus, the College provides information to students about the dangers of drug abuse, the availability of counseling, and the penalties for violations.

Students are subject to all national, state, and local laws and ordinances. If a student's violation of such laws or ordinances adversely affects the institution's pursuit of its educational objectives, the College may enforce its own disciplinary policies and procedures. In order to maintain a drug free campus, the College provides information to students about the dangers of drug abuse, the availability of counseling, and the penalties for violations.

### **Student Appeals Committee**

The Student Appeals Committee exists to review and recommend matters regarding misconduct or student grievances. The Student Appeals Committee is advisory to the Cabinet and meets only when requested by a Cabinet member, the President, or by actual need. The members shall include five professional employees (total) from the division of Academic Affairs and Student Services. No more than one member may be from the administration. Members of the Committee are appointed by the President for one year. Additional information on the student appeals process is available in the student handbook.

### **Student Complaint Procedure**

Students wishing to register a complaint shall follow the following steps: (a) first, state the complaint to the staff member involved and attempt to resolve the problem, (b) second, if the problem remains unsolved, the student should next contact the immediate supervisor - i.e., dean, chairperson, director, coordinator, etc., (c) third, if the problem remains unsolved, the student should contact the respective vice president. Guidelines for handling complaints are outlined in the official Policy Manual.

## **STUDENT ORGANIZATIONS**

ANC recognizes that student organizations provide an avenue for college students to develop their own unique talents and interests. Student organizations foster educational, social, and/or personal development and provide for profitable use of leisure time. The College encourages students to create new organizations to meet the changing needs and interests of the student body. If a student group wishes to use College facilities on a regular basis or conduct programs on campus, it must request to become an approved student organization. Any group of six or more students may petition for recognition and funding as a new organization by submitting a constitution and by-laws for approval by Student Services staff and by securing a faculty/staff advisor to work with the group. Complete guidelines for approval are available in the office of the Vice President of Student Services. Student organizations vary each academic year based on student interest.

### **ANC Alumni Association**

The ANC Alumni Association was formed as an entity under the auspices of the College's Foundation for the purposes of providing added value to former and current students. The association recruits members while also participating/assisting in College and Foundation functions.

### **Association of Childhood Education International (ACEI)**

The primary purpose for this organization to promote and support in the global community the optimal education and development of children, from birth through early adolescence. In addition, it influences the professional growth of educators and efforts of others who are committed to the needs of children in a changing society. Club members participate in the Scholastic Book Fairs, Chili Cook-Off and Mayfest. They are also involved in the Week of the Child and National Library Week.

### **Cultural Diversity Association**

The Cultural Diversity Association is an organization designed to share, explore, and experience elements

of different races and cultures in American society. Its main purpose is to promote racial equality and racial harmony among students and faculty, as well as in the community. CDA will provide an environment for all students of various ethnic backgrounds to express their cultural heritage, opinions, and concerns about college life, as well as the society in which we all live.

### **Dental Assisting Student Club**

The purpose of the Dental Assisting Student Club is to develop leadership that is competent and self-reliant, improve scholarship and develop skills that will enable young men and women to participate effectively in the occupation of Dental Assisting as well as our local communities, to engage in individual and group projects which will promote education, character and citizenship, create school loyalty and help preserve the principles of democracy. Membership is for students accepted into the Dental Assisting Program.

### **Females & Males Mentoring Club**

This organization is designed to train student on how to become a peer mentor while preparing and enhancing their social and career skills for future success. This organization encourages and facilitates training through relational workshops by incorporating techniques such as role playing, trust and rapport building, and the development of team-building skills. Ultimately, participation, training, and membership are designed for students who are interested in becoming a member of the ANC community mentor program under the direction of Dr. Blanche Hunt.

### **Gamma Beta Phi**

Gamma Beta Phi is a scholastic, honor, educational, service oriented national honor society for students in accredited two- and four-year colleges and universities that was established to recognize those students who have excelled academically and have demonstrated high personal characteristics in leadership and service. Membership into Gamma Beta Phi is by invitation, extended at the beginning of each semester. Students are invited to join GBP if they have completed 12 credit hours, are degree seeking, and have a minimum 3.4 G.P.A. The objectives of the Gamma Beta Phi Society are to recognize and encourage excellence in education, to promote the development of leadership ability and character in its members, and to foster disseminate and improve education through appropriate service projects. These school and community service projects add to the success of this organization, which receives regional and national attention for its quality. The Arkansas Northeastern College chapter of Gamma Beta Phi is one of the three chapters within the society to have received the National Gamma Beta Phi Distinguished Chapter Award and the Exemplary Chapter Award every year since their inceptions.

### **Lifeline Student Outreach**

Lifeline Student Outreach is a service and awareness group. The main purpose is to identify and serve students with a specific need, whether academic, physical, medical, financial or individual and work, toward total awareness on the part of others. Projects in the past have included installation of an automatic door, collection of food for the needy, assistance with transportation for visually impaired students, and compiling a resource manual of various services offered in Arkansas and Missouri.

### **LifeSavers (LS)**

LifeSavers is a club promoting abstinence from all drugs. The members must be drug free as an example to other students. LS will provide the facts about drugs by sponsoring educational lectures; discussion groups and free literature to ANC students and the area schools. We will invite students to join LS every semester and strive to create a positive environment for ANC students.

### **Skills USA**

The purpose of the organization is to help the student develop social and leadership skills. Activities will enhance the development of these skills and will be conducted by the clubs' members and advisors. The activities may include competitive events between technical institutes and colleges.

### **Special Activities**

The Division of Student Services sponsors cultural events, campus activities and entertainment throughout

the school year for the benefit of all students and the community.

### **Student Ambassador Program**

Student Ambassadors are a select group of students who shall effectively and responsibly represent the college to student inquiries, applicants, and incoming freshmen. Students selected for the program will work on a part-time basis with Admissions Counselors. Some of their duties will include traveling with Admissions Counselors to area high schools, providing student prospects with a “friend on campus”, and conducting campus tours. For more information about the program, contact the Admissions Office.

### **Student Nurses Association**

The purpose of the Associate Degree Student Nurse Club (AD-SNC) is to provide peer support and promote professionalism in nursing through involvement in the community. Members develop leadership and professional skills by participating in volunteer activities with local organizations promoting physical and psychosocial health. Membership is extended to students admitted to the Associate Degree Nursing program.

### **Student Practical Nurse (SPN Club) Blytheville & Paragould**

These organizations promote and encourage student participation in community activities, especially those directed toward preventative healthcare and the resolution of social issues. Members participate in volunteer activities with local organizations promoting physical and psychosocial health. Membership into this club is open to ANC Practical Nursing students enrolled at the ANC Blytheville and Paragould campuses.





Arkansas Northeastern  
COLLEGE

Financial Aid & Scholarships

# FINANCIAL AID & ANC SCHOLARSHIPS

## Student Financial Aid Services

Arkansas Northeastern College strives to provide an educational opportunity by identifying and processing financial assistance for eligible applicants. Various types of financial aid are available, including scholarships and grants. Financial aid programs and eligibility guidelines are identified in the *Student Financial Aid Handbook* in the Financial Aid Office or online at [www.anc.edu](http://www.anc.edu). Each financial aid resource is governed by factors such as a family's ability to pay, need, and cost of attending college. The following criteria are used to determine student eligibility for most financial aid programs available at Arkansas Northeastern College.

1. Financial need as determined by the U.S. Department of Education's FAFSA Application.
2. Be admitted as a regular student as defined in the Arkansas Northeastern College catalog.
3. Be enrolled in an eligible technical certificate or degree program.
4. Make satisfactory academic progress as defined below.
5. Have a high school diploma from an accredited institution or a GED.

### Satisfactory Academic Progress Statement

To receive financial assistance under Title IV programs at Arkansas Northeastern College, a student must be a regular student enrolled in an eligible program. The term "regular student" is defined in regulations as a person who enrolls in an eligible program at an institution of higher education for the purpose of obtaining a degree, certificate, or in a transfer program. ANC defines a regular student as a student who is accepted in one of the following regular admission categories: unconditional first admission, conditional first admission, readmission, ability to benefit, and transfer.

In addition, federal regulations governing the Title IV Student Financial Aid programs require the institution to measure a student's progress toward a degree or certificate program. Students must complete requirements for a degree within a reasonable length of time, maintain a minimum cumulative grade point average, and maintain a minimum cumulative completion rate as determined by the institution. For more information on the satisfactory academic progress policy as it applies to Title IV recipients, please refer to the *Student and Financial Aid Handbook* available in the Student Financial Aid Office on the ANC website at [www.anc.edu](http://www.anc.edu).

### How to Apply for Financial Aid

To apply for financial aid the student may:

1. Obtain the FAFSA Application from the Financial Aid Office, and
2. Apply online at [www.fafsa.ed.gov](http://www.fafsa.ed.gov)

Students should apply well in advance of the beginning of the semester since processing the application requires time. Students completing and submitting the FAFSA by the April 15<sup>th</sup> priority deadline are offered a financial aid package which may include one or more types of aid to meet demonstrated financial need. Applications received after April 15 will be considered for campus based aid if funds are available.

## FAFSA APPLICATION

Completing the FAFSA Application is the first step to applying for each of the following aid programs:

### Federal Pell Grant

This is the largest federal student aid program. Its purpose is to ensure that all eligible students have some financial resources necessary to continue their education. The amount of Federal Pell Grant received depends on the student's financial need, the cost of attendance, the number of hours enrolled/completed, and the actual time frame he or she is enrolled during the school year.

### Federal Supplemental Educational Opportunity Grant

Students demonstrating exceptional financial need may receive a Federal Supplemental Educational Opportunity Grant.

### **Arkansas Workforce Improvement Grant**

The Arkansas Workforce Improvement Grant is a need based grant for non-traditional students at least 24 years old and an Arkansas resident. The program's goal is to help those students returning to school who have financial need but might not be eligible for assistance from traditional state and federal programs.

Students apply by completing the Free Application for Federal Student Aid and ANC institutional forms.

### **Arkansas Go Opportunities Grant**

The Arkansas Go Opportunities Grant is a need based grant that is intended to help low income students complete their college degree. Applicants must be a U.S. citizen or permanent resident alien, be an Arkansas resident 12 months prior to application, certify they are drug free, complete the FAFSA application by June 1st enroll at an eligible Arkansas higher education institution, and apply by June 1 for Fall enrollment or by November 1st for Spring enrollment at [www.adhe.edu](http://www.adhe.edu).

### **Arkansas Academic Challenge (Lottery) Scholarship**

The Academic Challenge Program provides scholarships to Arkansas residents pursuing a higher education. Funded in large part by the Arkansas Scholarship Lottery, the Academic Challenge Scholarship is available to students regardless of their academic status, whether just graduating from high school, currently enrolled in college, enrolling in college for the first time, or re-enrolling after a period of time out of college. For more information, visit the Arkansas Department of Higher Education website at: <http://www.adhe.edu>

### **Great River Promise Scholarship**

The GRP Scholarship provides an opportunity to every high school graduate in Mississippi County and Buffalo Island Central to receive a tuition and mandatory fees scholarship to Arkansas Northeastern College. Students must earn a high school diploma, maintain a 95% attendance record throughout high school and have no drug or alcohol offenses to qualify. This scholarship promotes the idea that students should do their best, stay in school, and avoid the negative temptations sometimes facing them by awarding them the opportunity of a college education. This scholarship will not be stacked and will only be awarded after all other sources of aid have been exhausted. Students are required to file the FAFSA. If eligible, the scholarship will be continued for a maximum period of three (3) years, providing the recipient makes satisfactory academic progress toward a degree, remains continuously enrolled, and maintains a cumulative GPA of 2.5. Students must enroll in a minimum of twelve (12) hours for Fall/Spring semesters in order to receive funds.

### **Trimue Pathways Travel Stipend**

This travel stipend is made possible through the generosity of the late George Moore and Nancy McCauley Trimue who bequeathed their farm to ANC for the expressed purpose of providing needed assistance to students living in Mississippi County. Proceeds from the Trimue farm rental will be used to fund approximately \$100,000 annually in travel/gas vouchers for students from Mississippi County enrolling in the following certificate programs: Air Conditioning and Refrigeration, Automotive Service Technology, Child Development Associate, Clerical Support, Dental Assisting, Emergency Medical Technician, Aviation Maintenance, General Industry, Patient Care Technology, and Welding. With a limited number of vouchers available, funding is offered on a first-come, first-served basis and students must meet with their advisors weekly and maintain satisfactory academic progress in their classes to maintain eligibility.

## **FOUNDATION SCHOLARSHIPS**

The ANC Foundation (a private, 501 C-3 tax exempt, nonprofit corporation) provides scholarships to students attending ANC through private contributions. The College's Foundation, created in 1977, is one of the most successful two-year college foundations in the state. The foundation's assets include endowments for scholarships, farmland, facilities such as the Harry L. Crisp Center, and is directed by a Board of Governors. Scholarships are constantly being sought and one-time opportunities occur on a regular basis. Gifts may be made at any time by contacting the Development Office. Memorials and gifts are acknowledged to both the donor and the person or family being honored.

## **How to Apply for ANC Foundation Scholarships:**

- 1) Complete FAFSA Application
- 2) Complete ANC Foundation Scholarship Application available online at [www.anc.edu](http://www.anc.edu)
- 3) Submit application, typed essay and one letter of recommendation to address on the application

Because many students have financial issues, the Foundation works closely with both the Financial Aid Office and the Admissions Office to help students remedy these problems. Awards of various amounts are made by the College Scholarship Committee to students who have demonstrated financial need.

## **ANC Foundation Scholarships**

### **Bonnie Wheeler Davis Memorial Scholarship**

The Bonnie Wheeler Davis Memorial Scholarship was established by the family of Ms. Davis after her death in October 2003. It is an endowed scholarship available to students who exemplify need and a desire to earn a college education. Ms. Davis was a supporter of education, and funds from this scholarship can be used toward tuition, fees or books. Recipients can be either full-time or part-time and must maintain a minimum 2.5 G.P.A.

### **Brandon J. Elliott Memorial Scholarship**

This scholarship was established by family and friends of Brandon J. Elliott who passed away in 2009 while still a student at Arkansas Northeastern College. Brandon, son of Pastor Jerome & Cassandra Elliott, was active in the community and the College where he is remembered as a caring, giving, and respectful young man. This scholarship is annually funded through fund-drives and gifts to the ANC Foundation. The goal is to offer two \$500 scholarships each semester when funds are available. Priority will be given to students who are single parents and students with disabilities. Preference will also be given to students interested in sociology, psychology, nursing and auto mechanics.

### **Cecil H. Holifield Scholarship**

This scholarship was established by friends of Cecil H. Holifield in honor of his many years of service and dedication to Arkansas Northeastern College. This scholarship is available to any full-time or part-time student.

### **Cohen Scholarship**

Mr. and Mrs. Jerry Cohen, formerly of Blytheville, endowed a scholarship in memory of his parents, S. J. (Jimmie) and Luba T. Cohen, in 1991. Interest from this fund is used to provide scholarships to Mississippi County residents. This scholarship is open to both full-time and part-time students. This scholarship is awarded from interest received from an endowed fund.

### **Col. J.M. Crane Memorial Scholarship**

The Col. J.M. Crane Memorial Scholarship was established by the family of Col. Crane in recognition of his commitment to higher education and his longtime support of Arkansas Northeastern College. Col. Crane was dedicated to his military career and served for 31 years in the Air Force. He held both a bachelor's and a master's degree and was committed to providing educational opportunities in this area through his work as a longtime member of the ANC Foundation Board of Governors. This scholarship pays \$1,000 a semester toward tuition, books and fees and is open to ANC students who maintain a 2.5 cumulative G.P.A.

### **David Mann Memorial Scholarship**

Ms. LaVelle Mann established the David Mann Memorial Scholarship in memory of her son. Ms. Mann, a retired teacher, wishes to honor the memory of David, who lost his life in a tragic accident in 1995 at the age of 32, by offering scholarship assistance to single fathers looking to better their lives through education. This scholarship is for men who are enrolled part-time, with 30 or more hours already completed, and who have a minimum, cumulative grade point average of 2.5. Students majoring in education will be given special consideration.

### **Dorothy Borschel Jennings Memorial Scholarship**

This scholarship was established by the family of Ms. Jennings after her death in June, 2003. Because of Ms. Jennings' love of music and her commitment to education, students entering the field of music are given primary consideration for this award. Both full-time and part-time students are eligible for this scholarship which varies in amount.

### **Dr. Charles C. & Carolyn Brock Scholarship**

This scholarship is endowed by a gift from Dr. and Mrs. Charles C. Brock, Jr. Interest from the endowment provides financial assistance for tuition and books for one student enrolled in the Practical Nursing Department. The recipient will be selected based upon his/her need for the scholarship and his/her desire and ability to become a licensed practical nurse. Residents of Mississippi County will be given preferential consideration.

### **Dr. Daryl H. Johnson Scholarship**

The Dr. Daryl H. Johnson Scholarship was established in 2010 at the time of Dr. Johnson's 80th Birthday. Dr. Johnson spent 19 years as an educator with ANC and was one of the original faculty members hired by the College at its creation in 1975. He worked to develop the College's Science department where he taught Biology, Botany, Zoology. He also taught Power Lifting and holds many American and World Records. The scholarship amounts vary depending on funds available.

### **Dr. Eldon Fairley and Dr. John Williams Scholarship**

The Mississippi County Medical Society hereby establishes a scholarship fund to be used for the support of nursing students at Arkansas Northeastern College. This is an unrestricted fund with annual award(s) to be made by the ANC Scholarship Selection Committee--not to exceed \$1,000 a year with the goal of awarding two \$250 scholarships each fall and spring. These scholarships can be used for the support of tuition, books or other nursing program student expenses.

### **Dr. King Nunn, III Memorial Scholarship**

The King Nunn Memorial Scholarship is a tribute to a man who was ahead of his time, and recipients of this award should set goals to reach, stretch, and lead as he did throughout his life. Dr. Nunn was a charter member of the College's Board of Trustees. Gifts to the King Nunn Scholarship Fund have enabled the institution to establish an annual award of approximately \$500 for each recipient.

### **Drs. Tommy and Mabelee Carney Scholarship**

This scholarship was given as both a Mother's Day and Father's Day gift to the Carney's by their children: Joe, Rick, Randy, Susan, and Alan. The Carney family intends to fund this scholarship annually. The Carneys, both of whom taught at ANC, are strong supporters of education. Because the Carneys understand the struggles of managing a family while attending college, the scholarship will be available to ANC students with a minimum 2.5 grade point average who are married or have been married and have children, and who exhibit financial need.

### **Eileen Hagan O'Neal Scholarship**

The Eileen Hagan O'Neal Scholarship has been created through a generous donation by Ms. O'Neal. The scholarship was established in honor and memory of Ms. O'Neal's parents and grandparents. The Hagan's were early settlers in the Huffman community, having made their home in that area in the early 1900's. They held a strong belief in the importance of education, and Ms. O'Neal was the first graduate of Armorel High School where she was valedictorian. She has established this scholarship to assist local students in earning a college education. This is an endowed scholarship and anyone wishing to learn more about it or to contribute to this fund can do so by contacting Rachel Gifford at Arkansas Northeastern College at 870-838-2902. Available to graduates of Armorel High School.

### **Eddie Ward Ford, Jr. Memorial Scholarship**

This scholarship is funded annually by the family of Eddie Ford, Jr. Mr. Ford was a strong supporter of the

College, and during the time of the College's involvement in athletics, he served as President of the Booster Club. Mr. Ford's dedication to the College is continued through this scholarship in his memory. It is a \$250 per semester scholarship open to students who are active members of the First Baptist Church in Blytheville with a minimum cumulative G.P.A. of 2.5

### **George Moore Trimue and Nancy McCauley Trimue Scholarship**

It is with great honor that Arkansas Northeastern College recognizes the late George Moore and Nancy McCauley Trimue for the lasting contribution that they have left to our College and its students. The Trimues purchased a 1,500 acre farm near Frenchman's Bayou in the early sixties, not long before Mr. Trimue's death on October 26, 1964. His wife, Nancy, stayed on their plantation in Frenchman's Bayou for several years managing the farm before returning to her childhood hometown of Blytheville and closer to her dear friend Helen Armstrong Miller. Ms. Trimue succumbed to the complications of a stroke and passed away on March 1, 2001, at the age of 82. It was her desire to help people long after her death; therefore, she bequeathed her farm to Arkansas Northeastern College with the request that the College establish a scholarship in her family's name that could benefit many students throughout the future of Arkansas Northeastern College.

### **Great River Promise Scholarship**

The Great River Promise Scholarship, which covers tuition and mandatory fees to Arkansas Northeastern College, is awarded to Mississippi County and Buffalo Island Central graduating seniors who earn their high school diploma, attend four years at a Mississippi County high school, achieve a 95% attendance throughout high school, and have no drug or alcohol offenses. Students receiving ample aid from other sources will not be eligible for Promise funds. The scholarship pays current in-county tuition and mandatory fees for a total of 64 semester hours or completion of the required credits in any program having a total hour requirement greater than 64. The scholarship will be continued for a maximum period of three (3) years, providing the recipient makes satisfactory academic progress toward a degree, remains continuously enrolled. If the student transfers to another institution prior to completing degree work at ANC, the scholarship will not be offered during future enrollment periods. The scholarship must be initiated during the immediate summer, fall, or spring term following high school graduation.

### **Hoskins-Whitener Scholarship**

This scholarship was established by Ms. Mildred Whitener of Cooter and her family through the donation of 40 acres of farmland. The proceeds from this farm will be used to fund at least one scholarship each semester in the amount of \$500 to any Cooter High School graduate. The recipients must maintain a 2.5 G.P.A.

### **Hospital Gift Shoppe Auxiliary Scholarship**

The Hospital Gift Shoppe Auxiliary Scholarship was established in July of 2008 by the Great River Medical Center Gift Shoppe volunteers. This scholarship is an annual gift made possible through proceeds made in the hospital gift shop. The scholarship amount is \$1,500 a semester for both fall and spring and may be awarded in full to one recipient or in part to several recipients. It is the intent of the hospital gift shop volunteers to assist in the education of nurses for this area. The scholarship is available to first and second year Associate Degree Nursing students who reside in Mississippi County.

### **Jim Grimes Memorial Scholarship**

This endowed scholarship fund will be available to ANC students with preferential consideration going to those living within the city limits of Blytheville. The scholarship is named in memory of former Blytheville resident Jim Grimes. This endowment was made possible through the planned gift by Marie Grimes who passed away on December 1, 2009. Ms. Grimes was a longtime resident of Blytheville where she was a retired office clerk of Entergy and a member of the North Tenth Street Baptist Church. Mrs. Grimes lost her husband, Benny, to cancer in 1962 when he was only 39 years old. Because of her husband's death, someone told her that her son would no longer be able to attend college. This statement, and her commitment to education, motivated her to prove the opposite and she worked to provide for her son's college. Her son Jim was a graduate of Blytheville High School later earned an engineering degree from the University of Arkansas. At the time of his death, he was an engineer for Raytheon Aircraft in Wichita, Kansas. Sadly, Jim passed away unexpectedly on August 20, 2001, at the age of 54. Because of Ms. Grimes' efforts and her understanding of the importance of

education, it was her wish to help others who might have financial barriers to attending college. She left this gift to the Arkansas Northeastern College Foundation as a lasting tribute to her son who was able to find success in both his educational and career endeavors.

### **Jeannetta Briggs Memorial Scholarship**

Dale Briggs established this scholarship in memory of his wife Jeannetta. Mrs. Briggs was born in Kansas and moved to Blytheville when she was six years old where she lived until her death at the age of 70. Mrs. Briggs had a love of music and studied the fine arts in college having majored in organ and minored in piano. This is an endowed scholarship awarded on an annual basis. It is available to any Arkansas Northeastern College student with preference being given to music majors.

### **Johnny W. Nutt Memorial Scholarship**

The Johnny W. Nutt Memorial Scholarship was established in 1999 by the Chickasawaba Masonic Lodge #134 in memory of one of their late member, Johnny Nutt. The scholarship provides \$250 a semester, while funding continues, to a full-time or part-time student with at least a 2.5 G.P.A. and selected by the College's Scholarship Committee.

### **Johnston Memorial Scholarship**

This scholarship fund was established in 1976 as a memorial to Robert K. and Blanche Johnston, former Blytheville Water Company owners, by their son, Robert C. Johnston. This fund has helped many individuals. It is an endowed fund which earns interest used to provide funds for students in the Blytheville area and was the first privately funded scholarship at this institution.

### **Judge Graham Partlow Honorary Scholarship**

The Judge Graham Partlow Honorary Scholarship was established in 2002 by friends of Judge Partlow. Approximately \$15,000 was raised and endowed for this scholarship through a fund-raiser in Judge Partlow's honor and other community support. Interest from this fund is used to provide scholarships to full-time and/or part-time students who maintain a 2.5 cumulative grade point average. Scholarship amounts vary depending on funds available.

### **Kagome Creative Foods, Inc. Scholarship**

This scholarship was established through an endowment given by Kagome Creative Foods, Inc. in 2007. Students working toward a technical, industrial, or manufacturing education, who maintain a minimum 2.5 G.P.A., are eligible for this scholarship. Special emphasis will be given to students interested in industrial maintenance, technical support or employment in the food industry. This scholarship is for \$750 per semester with part-time students receiving a prorated amount.

### **L.D. and Reddie Harris Scholarship**

Upon his retirement from Arkansas Northeastern College as Director of Special Projects in 1993, Mr. L.D. Harris announced the establishment of the endowed L.D. and Reddie Harris Scholarship. Both Mr. and Mrs. Harris have had a lifelong interest in education and wanted to continue to be involved by having a part in helping somebody get an education who otherwise would not have the opportunity. This scholarship is available to any student who needs financial assistance. This scholarship is awarded from interest received from an endowed fund.

### **Lindsey Ohlendorf Fairley Scholarship**

The Lindsey Ohlendorf Fairley Scholarship is an endowed fund which was established in 1991 following Mr. Fairley's death. Mr. Fairley's memory is honored through this scholarship opportunity. Eligible students may be full-time or part-time students and must maintain a minimum 2.5 G.P.A. Scholarship amounts vary and can be utilized toward tuition, books, fees, and travel. This scholarship is awarded from interest received from an endowed fund.

### **Loretta Smith Memorial Scholarship**

This scholarship was established in 2008 by the Blytheville ESA Chapter in memory of Loretta Smith. Smith

was a member of the ESA Sorority and a nursing student at ANC at the time of her death. This scholarship is designated for two awards of \$500 each annually to any students enrolled in the field of Allied Health. The scholarship can cover tuition, fees, and/or books.

### **Martha Ann Moore Memorial Scholarship**

This scholarship is established in memory of Ms. Martha Ann Moore who passed away in October, 2013. Ms. Moore was a life-long educator who loved working with students. She was an English Instructor at Arkansas Northeastern College for many years. This is a fluctuating fund with scholarship amounts depending upon funds available. This scholarship is open to ANC students who maintain a minimum 2.5 grade point average. Funds are available to both full-time and part-time students and can be used toward books, fees, and/or tuition.

### **Marvel B. Dickerson/ANC Recruitment Grant**

This is an annually funded scholarship in the amount of \$500. Eligible applicants must be female students who are planning to enter the teaching field and must maintain a minimum 2.5 G.P.A.

### **Minnie Vines Scholarship**

The Minnie Vines Scholarship was established in December of 1991 following her death. This lady loved life and people, and funds will be used to help make life more rewarding for the selected students. Funds for tuition, books, or transportation will be awarded to the limit of availability. Mrs. Vines' daughter, Mrs. Myrna Adams, is very committed to education and educational opportunities for citizens of Mississippi County.

### **Nelson Nursing Scholarship**

The Nelson Nursing Scholarship sponsored by the late R. A. and Mary Blanche Nelson assists individuals as they pursue the nursing profession. The development of the College for this area and a quality nursing program inspired the Nelsons to establish this award. Either part-time or full-time students are eligible. The number of scholarships awarded will vary and depend upon the course load of the recipients and the number of students qualifying. Recipients must be accepted for enrollment, or currently enrolled in the R.N. nursing program.

### **Newcomb Memorial Scholarship**

This scholarship was previously named for Blan Newcomb the son of Guy and Evelyn Jean Newcomb. He died in a tragic fire in 1979, at the age of 21. Later, after the death of Guy Newcomb in 1985, the scholarship name was changed to the Newcomb Scholarship to commemorate both Blan and Guy. Guy Newcomb served on the College's Board of Trustees for seven years. In 1982, he accepted an active role as a member of the Board of Governors of the College's Foundation. This scholarship can be used toward tuition, books, required fees and may include an expense allowance. Children of employees of Mississippi County school districts are eligible. Students from Osceola and Rivercrest will be given preferential consideration.

### **Paul C. Hughes Scholarship**

The Paul C. Hughes Scholarship is an endowed fund which will provide interest each year to fund a scholarship annually. The initial contribution to this fund was a gift from the Mid-South Grain Growers Association in appreciation of his 40 years of service as Secretary-Treasurer of that organization. Additional donations have been received, and following Mr. Hughes' death in 1999, an annually funded scholarship established by the children of Paul and Corina Hughes in their parents' honor was merged with the Paul C. Hughes Scholarship. The late Mr. Hughes was an outstanding community leader and served on the College's Board of Trustees for many years.

### **Ruth and Acton Holmes Scholarship**

This scholarship is established in memory of Mr. and Mrs. Acton Holmes by their daughter and son-in-law, Mr. and Mrs. Allen Bush. This is an endowed fund which will provide funding on an annual basis and can be utilized by either part-time or full-time students. It is primarily intended for part-time students with strong educational drive and financial need. Special consideration is given to single parents.

### **Savannah Paige Pollock Memorial Scholarship**

The Savannah Paige Pollock Memorial Scholarship was established by friends and family of "Paige" following



her death in 1995 and will be a part of the ANC Foundation's scholarship opportunities beginning fall 2009. Paige had ambitions of becoming a nurse and had been accepted into a nursing program prior to her death. The Savannah Paige Pollock Memorial Scholarship pays tribute to her life and is to second-year nursing students at Arkansas Northeastern College. Scholarship amount will not exceed \$500 for the final semester of an associate degree nursing student, and applicants must follow the general application process.

### **Sharon Wingo Churchill Scholarship**

The Sharon Wingo Churchill Scholarship was established through the estate of Joe Churchill. This endowed scholarship was created in memory of Mr. Churchill's wife who preceded him in death. Mr. Churchill was a longtime friend of the College and had been active in many fund raising events for the Foundation. In his final months of life, he initiated this scholarship which will honor Sharon Wingo Churchill and serve future students. Special consideration is given to students enrolled in the R.N. nursing program. This scholarship is awarded from interest received from an endowed fund.

### **Sims Family Memorial Scholarship**

The family of James M. Sims, Anna Lois Sims, and Edward "Jerry" Sims established this scholarship in their memory. James "Marcus" Sims was the youngest of Mrs. Sims' three children. He was an outstanding scholar throughout his academic career. He briefly attended medical school. He died prematurely in 1994 at the age of 40. Mrs. Sims was born into a family of 10, with her father serving as a rural school teacher, farmer and postman. She was an avid supporter of higher education throughout her life. Edward G. Sims was a successful business man and devoted father. He was a veteran of World War II, serving in the European Theater with the U.S. Army Air Force. These scholarships may vary in amount with special consideration being given to students entering the field of business.

### **Temple Israel Scholarship**

Following the closing of the Temple Israel Synagogue in Blytheville, the trustees donated \$120,000 to the ANC Foundation to be endowed for scholarships. Interest from the endowment is used to fund \$300 scholarships to two graduating high school students from each of the represented Temple Israel communities: Blytheville, Osceola, Hayti, Kennett, and Caruthersville. Students must maintain a 2.5 G.P.A.

### **THANK YOU RN's SCHOLARSHIP**

The THANK YOU RN's scholarship was established by David and Sallye Russell in May of 2015 to honor the many nurses who cared for them during a long hospital stay by Ms. Russell. With personal and thoughtful care of her many nurses, Ms. Russell overcame a life-threatening illness and she and her husband established this scholarship to help others pursuing the nursing field. This scholarship will be funded annually and is available to two students, up to \$500 each, per semester. Scholarship funds can be used toward tuition, books, fees, and/or any nursing expense. Recipients must be women enrolled in ANC's RN program with preference going to full-time students from Mississippi County. Recipients must maintain a 2.5 cumulative G.P.A.

### **Tom and Jane Miller Scholarship**

Mr. and Mrs. Miller had strong interests in horticulture and the arts, devoting much of their lives to both disciplines. Their endowed gift is used for scholarships with emphasis on the horticulture and music programs. Tom and Jane believed in the opportunities offered by the College. The College is appreciative to be the recipient of a gift which fulfills the Millers' wishes of richer lives for students and the community.

### **Trimue Pathways Travel Stipend**

This travel stipend is made possible through the generosity of the late George Moore and Nancy McCauley Trimue who bequeathed their farm to ANC for the expressed purpose of providing needed assistance to students living in Mississippi County. Proceeds from the Trimue farm rental will be used to fund approximately \$100,000 annually in travel/gas vouchers for students from Mississippi County enrolling in the following certificate programs: Air Conditioning and Refrigeration, Automotive Service Technology, Child Development Associate, Clerical Support, Dental Assisting, Emergency Medical Technician, Aviation Maintenance, General Industry, Patient Care Technology, and Welding. With a limited number of vouchers available, funding is offered on a first-come, first-served basis and students must meet with their advisors weekly and maintain

satisfactory academic progress in their classes to maintain eligibility.

### **Wayne Taylor Memorial Scholarship**

The late Wayne Taylor, who served on the ANC Foundation Board of Governors, was instrumental in the creation of the Annual Big Lake Scholarship Golf Tournament. He served on the tournament planning committee from the beginning and worked at all of the tournaments as well as personally contributing by sponsoring a tee-box each year. Mr. Taylor passed away in August of 2004, and the ANC Foundation changed the name of this scholarship to honor his memory and to recognize his dedication and contributions to Arkansas Northeastern College. This scholarship is funded through proceeds raised from an annual golf tournament held at the Manila Big Lake Country Club. Students eligible for this scholarship must be from the Buffalo Island area or the Bootheel of Missouri and may be full- time or part-time students and must maintain a minimum 2.5 G.P.A. each semester. This scholarship is awarded by the College's Scholarship Committee with the number of recipients dependent upon available funds.

### **Yamato-Kogyo Scholarship**

This scholarship is funded through an annual gift from Yamato-Kogyo Ltd. and proceeds raised from an annual golf tournament. Funds raised annually total approximately \$15,000 and are awarded by the College's Scholarship Committee. Approximately 20-40 students receive assistance from this fund each semester.

### **MISCELLANEOUS**

Other individuals provide funding on an annual basis for scholarships which are not endowed.

## **INSTITUTIONAL SCHOLARSHIPS/WAIVERS**

A number of scholarships and tuition waivers are provided to recognize academically gifted students, students with special abilities, and students who meet specific criteria as designated by the ANC Board of Trustees or the Arkansas State Legislature. Students interested in these awards should complete the required application forms available in the Financial Aid Office or online at [www.anc.edu](http://www.anc.edu). *Priority Deadline: April 15.*

### **ACT 188 Scholarship**

Act 188 provides tuition and mandatory fees for any student whose parent was an Arkansas resident and was either killed in active duty, missing in action, or was a P.O.W.

### **ACT 291 Scholarship**

Provides students who are State Police Officers, Wildlife Officers, State Capitol Police, and their dependents with reduced college tuition at a rate equal to employees of the institution. The officers/police must have been employed by their respective employers for at least 10 years.

### **ACT 678 Scholarship**

Any person aged 60 or older who is admitted and enrolled is entitled to free tuition and mandatory fees while attending the College. Any person qualified for this scholarship should notify the Financial Aid Office. This scholarship does not cover specific fees associated with a particular course or tuition for courses taken as audit.

### **Families of Full-Time ANC Employees**

Fee waivers may be granted to the employee's immediate family for registration in all college credit classes. Immediate family is defined as spouse and dependent children. Dependency is defined as "meeting the definition of dependency according to IRS regulations." A maximum of 62 semester hours will be waived. The waiver is administered by the Financial Aid Office.

### **George Moore Trimue and Nancy McCauley Trimue/Board of Trustees Academic Scholarship**

The Board of Trustees Academic Scholarship is awarded to students in recognition of outstanding high school

performance. Students must be graduates of a public high school in Arkansas or a graduate of a public high school in Pemiscot, Dunklin, or New Madrid counties in Missouri and rank in the top 10% of their high school graduating class or have a composite score of 24 or above on the ACT. The scholarship pays current in-county tuition and mandatory fees for a total of 64 semester hours or completion of the required credits in any program having a total hour requirement greater than 64. The scholarship will be continued for a maximum period of three (3) years, providing the recipient makes satisfactory academic progress toward a degree, remains continuously enrolled and maintains a cumulative G.P.A. of 3.0. If the student transfers to another institution prior to completing degree work at ANC, the scholarship will not be offered during future enrollment periods. The scholarship must be initiated during the immediate summer, fall, or spring term following high school graduation. Board of Trustees Academic Scholarships are extended to GED high school equivalency certificate/diploma adults who have high scores and are recommended by the staff of Adult Education.

### **George Moore Trimue and Nancy McCauley Trimue/Board of Trustees Technical Scholarship**

The Board of Trustees Technical Scholarship is given to students in recognition of performance in a technical or vocational field while in high school. The scholarship pays in-county tuition and mandatory fees for a total of 35 credit hours or completion of the required credits in a certificate program. Eligible students must be graduates of an accredited public high school in Arkansas or in Dunklin, Pemiscot, or New Madrid Counties in Missouri. Students must be recommended for the scholarship by a high school counselor, a high school vocational/occupational instructor, or the ANC Secondary Center Director. Eligibility will be for one academic year or continued for the period of time required to complete the chosen certificate program, providing the recipient remains continuously enrolled, makes satisfactory progress toward the certificate, and maintains a minimum 2.5 G.P.A. each term. The scholarship must be activated during the immediate summer or fall semester following graduation from a public high school. The award of the Technical Scholarship does not mean automatic admission into special programs. Scholarship students interested in one of the College's special admissions programs should contact an advisor in the occupational field.

### **Mississippi County Public School Teachers Fee Waiver**

ANC is authorized to waive in-county cost of tuition and mandatory fees for certified full-time teaching personnel of the Mississippi County Public School Districts, the Buffalo Island Central School District and the public school districts in Pemiscot, Dunklin, and New Madrid Counties in Missouri. The waiver of fees is not to exceed a total of four credit hours for each regular semester and may not be used for physical education activity courses. Waivers may be used for credit classes only. Summer applicants must have a signed contract for the subsequent academic year to be an eligible recipient. The Financial Aid Office administers the waiver through the superintendents of the designated school districts.

### **Scholarship Waiver for Police & Correctional Officers**

The College is authorized to scholarship the tuition for certain full-time Mississippi County law enforcement employees enrolling in the College's Criminal Justice degree program. Such scholarship is available to full-time personnel of Mississippi County, any of the County's municipalities, Arkansas Department of Community Correction employees, or Troop C of the Arkansas State Police. The applicable scholarship is limited to the total credit hour requirement (as published by the College) necessary for the completion of the Associate of Applied Science degree in criminal justice. This scholarship is limited to a maximum enrollment of six credit hours during each major semester (fall and spring) annually and three credit hours during each summer term. The scholarship is for tuition at the applicable in-county rate only and does not include fees. The scholarship shall be continued providing the student makes satisfactory progress toward a degree and maintains a satisfactory level of academic achievement.

### **Scholarships in Fine Arts**

The College will award Fine Arts scholarships for gifted students to simulate Fine Arts Activities.. The recipients of these awards will be selected by the Dean of Arts and Sciences upon recommendation of faculty in the respective areas. The major area of study is open to any student enrolled in any type of Fine Arts course with the course prefix of MU, AR, or TH. Interested students should contact the Dean for Arts and Sciences for more information.

## OTHER AVAILABLE PROGRAMS

### Arkansas Career Pathways Initiative (CPI)

The Career Pathways Initiative (CPI) provides low- income students with the higher education skills and credentials they need to gain immediate entry into targeted occupations – ultimately leading these students to economic self-sufficiency. CPI offers financial support and counseling to students with dependent children under the age of 21. Services provided may include paid tuition, books and fees, childcare assistance, transportation assistance, career counseling, resume assistance and job placement.

### Arkansas Vocational Rehabilitation

The Vocational Rehabilitation Program in Arkansas offers assistance for tuition and books to students who are vocationally handicapped. Information may be obtained from the local Vocational Rehabilitation Office or from the Division of Vocational Rehabilitation, State Department of Education, Little Rock, Arkansas 72201. For more information, visit their website at: [arsinfo.org](http://arsinfo.org) or call: 501-686-9433.

### Missouri Vocational Rehabilitation

The Vocational Rehabilitation Program in Missouri offers assistance for tuition to students who are vocationally handicapped. Information may be obtained from the Division of Vocational Rehabilitation, State Department of Education, Jefferson City, Missouri, or the local Missouri Vocational Rehabilitation Officer. For more information, visit their website at: [dese.mo.gov/vr](http://dese.mo.gov/vr) or call: 877-222-8963.

### Transfer Scholarships

Transfer scholarships are available at many four-year colleges and universities. The criteria for the scholarships vary by institution and are contingent upon funding. Students who plan to apply for a transfer scholarship should contact the financial aid office at the institution to which they plan to transfer.

### Veteran Benefits

Arkansas Northeastern College is approved by the State Approving Agency for Veterans as a college whereby veterans and dependents or spouses of deceased or 100% disabled veterans may obtain subsistence while working toward a degree. Eligible students should contact the Veteran's representative in the Financial Aid Office to obtain information regarding school attendance. Monthly educational allowances, paid to veterans for training during a fall or spring semester, are computed in the following way: 12 or more semester hours, full-time; 9-11 semester hours, 3/4 time; 6-8 semester hours, 1/2 time; 4-5 semester hours, less than 1/2 time; and 1-3 hours, 1/4 time. Monthly educational allowances paid to veterans for training during a Summer I or Summer II session are based upon the number of weeks a course meets. If deployment affects your enrollment, please come see the Financial Aid Office. See the Financial Aid Office for more information.

*Note: Official transcripts from previous colleges attended should be received by the Registrar's Office prior to certification for VA benefits. VA students must be pursuing an approved degree or certificate program and should follow the curriculum outline since only required courses may be certified for VA benefits.*



Arkansas Northeastern  
COLLEGE

Academic Information

## ACADEMIC INFORMATION

Arkansas Northeastern has established specific academic requirements which must be met before a certificate or degree is granted. Counselors, faculty, and administrators will assist students in meeting these requirements, but each student is personally responsible for fulfilling them. It is important for each student to be acquainted with all regulations and to remain currently informed throughout his or her college career. Changes may be made in academic requirements to promote the best interests of the students and the college.

### Academic Affairs Committee

The Committee shall function as a referral body for other academic decisions, as might be referred to them by the Vice President for Finance, the Vice President for Student Services, or the Chief Academic Officer. The Committee is advisory in nature to the President or his designated representative. The Committee is the “due process” committee for the academic standards of the institution.

Within the policies established by Arkansas Northeastern College, the Academic Affairs Committee shall be responsible for clarification, definition, and recommendations in the following areas:

- Curriculum
- Admission
- Graduation
- Credit by Examination
- Instruction
- Probation
- CLEP
- Grade Changes
- Residence
- Suspension
- Transfer of Credit

### Assessment of Student Learning

Arkansas Northeastern College is a student-centered institution. To appraise the success of our students, the College actively engages in the assessment of student learning. The primary purpose of the assessment program is to improve instruction. In addition, the quality of student experiences as they interact with the various service areas of the College is evaluated to determine the effectiveness of the delivery of those services. To obtain the data necessary to make evidenced-based decisions, ANC collects periodic measurements of student academic achievement, attitudes, perceptions, satisfaction, and professional and career development. Throughout their course of study, Arkansas Northeastern College students participate in a variety of assessments that help determine the nature and extent of their learning. Assessment activities include, but are not limited to the following:

- ❖ Evaluation of scores on placement testing exams
- ❖ Course-level assessments of learning outcomes
- ❖ General education and discipline specific proficiency exams prior to Graduation
- ❖ Internship experiences
- ❖ Licensing exams
- ❖ Graduate follow-up surveys

All assessments, provide feedback that is used to guide the continuous improvement of ANC academic programs and services and to create a quality learning environment. The students' conscientious contribution to this process is essential. Candidates for any associate degree or certificate awarded by Arkansas Northeastern College are required, as a condition of graduation, to participate in the outcomes assessments conducted by the academic units of the College, including general education.

### Evening Classes

In addition to day classes, Arkansas Northeastern College provides equivalent college credit courses during the evenings, Monday through Thursday. The evening academic courses are taught by college staff and contain the same material as the regular day sessions, as approved in institutional syllabi. Students may elect to enroll in day classes, evening classes, or a combination of classes. The bookstore remains open in the evening, during main registration as well as the first two weeks of a fall or spring semester Monday through Thursday. Security is available any time classes are in session.

## **Faculty**

The Arkansas Northeastern College faculty is committed to quality instruction and personal attention to students. The normal teaching load is 15 credit hours per semester. Classes seldom have more than 25 students. Faculty keep abreast of educational and technological changes through attendance at conferences, seminars, and visits to other higher education institutions.

## **Regular Enrollment**

Arkansas Northeastern College is committed to providing access to educational opportunities for all citizens. Students may enroll in as little as one credit hour or as many as 18 without administrative approval.

# **COURSES AND CREDITS**

## **Academic & Career Enrichment**

All first-time, full-time, degree-seeking freshmen are required to complete a two credit hour course in Academic and Career Enrichment (ACE). The course is designed to offer students the opportunity to examine their present level of personal development and their unique learning styles as is applicable to college and life experiences. In the ACE Class, students will be assisted in examining and clarifying personal, academic and career goals. Student orientations are given/held during the first two weeks of class by the Admissions staff.

## **Class Attendance**

Regular class attendance and punctuality are required for all classes and laboratory sessions. When absent because of illness or emergency, students are responsible for contacting instructors regarding work missed. In general, a student should not miss more than the following:

3 classes in a MWF or MTWH sequence. 2 classes in a MW or TH sequence.

1 class in the evening (6:25-8:55 p.m.).

*In each class the instructor determines the limits and the extent to which absences and tardiness affect the students' grades.*

## **Credit for Courses**

The standard unit of college work is called the credit hour. Credit hours are not always equal to contact or classroom hours.

## **Course Load**

Part-time Student - One who has a course load of less than 12 semester hours in one fall or spring semester

Full-time Student - One who has a course load of 12 or more semester hours in one semester. The normal course load for a full-time student during a regular semester is 15 hours. Eighteen

(18) hours is the maximum which may be carried without approval. A student who wishes to take additional courses must obtain approval from the Chief Academic Officer, but in no case may the total exceed 21 semester hours.

These course load definitions are prorated for the summer session.

## **Course Numbering System**

Arkansas Northeastern College uses a five-digit course numbering system. The first digit indicates the course level (0-developmental, 1-freshman, 2-sophomore). The second digit represents the academic division. The next two digits represent the numerical sequence of the course and the fifth digit indicates the credit hour value of the course.

## **Credit Transfer**

Arkansas Northeastern emphasizes the transferability of courses to other colleges and universities. Arkansas Northeastern is accredited by the Higher Learning Commission and a member of the North Central Association of Colleges and Schools; therefore, courses transfer to all colleges and universities within the state and to other post-secondary institutions in the United States. Arkansas Northeastern College has engaged in an articulation agreement with all public four-year institutions in the State of Arkansas. Thus, an Arkansas Northeastern College student who completes the Associate in Arts degree will be able to transfer to the participating university with junior status. Arkansas Northeastern complies in the General Education Curriculum with the 35-credit-hour core approved

by Arkansas public colleges and universities.

Arkansas Northeastern courses transfer by generally accepted, but unwritten agreements with other colleges and universities in Arkansas. Students should be aware that a course which transfers to a university may not be the necessary course to meet a degree requirement within a particular college of that university.

### **Mandatory Remediation of Deficiencies in Basic Skills**

Arkansas Northeastern College complies with Section 19, Act 1052 of 1987, approved by the State Legislature, and requires remediation in areas profiled as deficient. The college employs a comprehensive assessment and placement program to assist each individual in realizing his or her potential and success as a student. Certificate and degree-seeking students must take the assessments; the college, furthermore, encourages all entering students to take the assessments. Assessments, in compliance with legislative mandate, are based upon any of the following: ACT or COMPASS. In order to be admitted to ANC, a student must score an ACT of 11 or above (or the equivalent COMPASS score) in all three areas: Math, Reading, and Writing. Students who do not achieve the required score will be given the opportunity to improve their basic skills and retest. Students scoring 11 to 14 on the ACT or equivalent COMPASS in any one area will have a limited menu of program options.

A student who meets admission requirements, but is deficient in any area (mathematics, writing, or reading) must enroll in and successfully complete the appropriate developmental course(s) during the first semester of enrollment. Students who require remediation must have the approval of their advisor in order to enroll in any college level course prior to completing developmental course work.

### **Prior Learning Assessment (PLA)**

Arkansas Northeastern College recognizes that much learning takes place outside the walls of the College. Some of this learning is comparable to knowledge gained in a classroom environment. This type of learning is based on a variety of life experiences and is referred to as “experiential learning” and will be evaluated for credit by institutional assessment. When considering whether one possesses experiential learning which may be credited toward a degree, it is best to begin discussions with a faculty advisor. They are trained to assist students in the various methods available for experiential credit.

#### ***Institutional Assessment for Credit***

A student may not seek credit by institutional assessment after attending that particular course and receiving a grade of A, B, C, or I at the College or after earning credit for an advanced course in that area. Students are required to be currently enrolled at Arkansas Northeastern College in order to seek credit by assessment.

Upon conclusion of the institutional assessment for credit, a copy of the results (exam, portfolio, etc.) shall accompany the appropriate forms to the Chief Academic Officer. Request forms will be validated and the examination, portfolio, etc., filed. A student may earn a maximum of 30 semester hours by any or all methods combined, as follows:

***Credit by Examination*** - Requirements for credit in a number of college courses may be satisfied by successful completion of a departmental examination. **Note: If a CLEP examination is available for a course, the student may not apply for a discipline-made examination for credit.**

The departmental examinations are constructed and graded by instructors based on goals and objectives stated in departmental course syllabi. Due to the content of certain courses, a discipline may elect not to offer an examination for these courses. A non-refundable fee of \$20 for each credit hour requested is charged for this assessment.

Credit by examinations may be attempted for the second time after a lapse of one full academic term beyond the term in which the first attempt was made. A student may not attempt credit by examination more than twice in the same course. Credit by examination will not be available during the period between official college terms or during official college holidays. Credit by examination will not be counted in the student's load or GPA.

***Portfolio Development*** - Students with prior educational experience not suited for assessment through other methods may wish to develop a portfolio which will be assessed by faculty members who will judge the content and



will assess whether or not credit for a course will be given (normally, faculty members interview the students in addition to reviewing any written document). A non-refundable fee of \$25 will be assessed upon portfolio submission. An additional fee equal to the existing credit hour tuition rate will be required for each hour of credit awarded through portfolio evaluation. The department involved, the appropriate Dean/division chairperson, and the Chief Academic Officer will award credit on the basis of the results of the assessment.

**Technical Advanced Placement** - High school students, who are enrolled in a technical course, may earn college credit. Students requesting technical advanced placement credit must provide a copy of their high school transcript to the Dean for Business and Technical Programs.

**Other Assessment** - Students holding licenses, certificates, diplomas, and other documented learning which has previously been assessed and accepted as Arkansas Northeastern College credit should officially petition for the credit by completing a "Request for Credit for Previous Training or Experience" form. Current examples of such awarding of credit include Standard First Aid and Safety, Cardio-Pulmonary Resuscitation, Red Cross Safety Certificate, and training at the Arkansas Law Enforcement Academy.

**National League of Nursing (NLN) Nursing Acceleration Challenge Exam (NACE)** – Graduates from practical nursing programs outside the State of Arkansas not accredited by the Accreditation Commission for Education in Nursing (ACEN) are required to take the NLN NACE-I exam. This exam is a nursing validation exam designed to evaluate previous learning and is administered at the ANC Testing Center. The exam exists of 184 multiple-choice, four-option items that may require approximately three and one-half hours to complete. The ANC Testing Center will provide current testing fees which are subject to change by the NLN. For more information, call 870-762-3104.

**Advanced Placement Program** - Students enrolled at Arkansas Northeastern may earn college credit for acceptable scores in the Advanced Placement Program. Advanced Placement Examinations are offered annually to give high school students opportunities to demonstrate college-level achievement and be awarded appropriate credit for that achievement. The college will award some level of AP credit, provided the student achieves the minimum AP score required for that course and meets any other requirements designated by the department offering the course. Advanced Placement exam scores on the basis of which Arkansas Northeastern awards credit, placement, or exemption (including scores lower than 4 or 5) will be entered on the transcript along with the number of credit hours equivalent to credit hour value of the corresponding course.

If a student has received AP credit from another college or university for a score of 4 or 5, Arkansas Northeastern will accept credit for that course or courses in the same manner in which course credit is accepted for other courses transferred from an accredited institution of higher education. ANC must have the score. AP credit is listed as follows:

**COLLEGE CREDIT FOR AP EXAMS**

<b>AP EXAM</b>	<b>Minimum AP Score for Credit</b>	<b>ANC Credit</b>
English Lit./Comp. or Language/Comp.	3	EN 12003 English Comp. I
English Lit./Comp. or Lang./Comp	4	EN 12003 English Comp. I EN 12013 English Comp II
Spanish	3	LA 12003 Spanish I
Spanish	4	LA 12003 Spanish I and LA 12013 Spanish II
Biology and Lab.	4	BI 14033 Gen. Biology BI 14041 Gen. Biology
Calculus AB	4	MA 24015 Calculus I

Calculus BC	4	MA 24015 Calculus I
U.S. History	4	HI 23003 U.S. to 1876 and HI23013 U.S. since 1876
World History	4	HI 13003 World Civ to 1600

**Military Service** - Veterans and active duty military personnel who have completed 181 days of continuous active military service may qualify for two credit hours in physical education. Veterans must present a certified copy of the DD-214 to the Registrar's Office. Active duty military personnel must contact the Registrar's Office regarding the required documents. Additional credit for training in formal service schools may be granted on the basis of recommendations published in the current edition of *A Guide to the Evaluation of Educational Experiences in the Armed Services* insofar as the recommended credit can be evaluated as equivalent to a specific Arkansas Northeastern College course. Students requesting credit for formal service schools should follow the procedures for portfolio assessment.

Arkansas Northeastern College subscribes to the American Council on Education recommendations.

### College Level Examination Program (CLEP)

Arkansas Northeastern students may earn up to 30 semester hours through the College Level Examination Program. Students must pay a fee online to the College Board ([collegeboard.org](http://collegeboard.org)) to receive an exam ticket. The ticket must then be presented to the Testing Center Counselor in S146 where the test will be administered online. Anyone may take the CLEP tests; however, CLEP credit is not awarded for a course previously completed, or if the student has already completed a more advanced course in the subject matter area.

#### CLEP SUBJECT EXAMINATIONS:

CLEP Exam	Passing Score	Arkansas Northeastern Credit Awarded In	Sem. Hrs. Credit
Intro/Business Law	50	BU 11013 Legal Environment/Bus.	3
Prin. of Marketing	50	MK 21003 Principles of Marketing	3
Prin. of Management	50	MG 21013 Principles of Mgmt	3
Intro/Accounting	50	AC 21003/21013 Accounting I/II	6
Macroeconomics	50	EC 21003 Macroeconomics	3
Microeconomics	50	EC 21013 Microeconomics	3
College Comp.	50	EN 12003 English Composition I	3*
Eng. Lit.	50	EN 22033/22043 Engl. Lit. I/II	6
Western Civ. to 1648	50	HI 13003 World Civ. to 1600	3
Western Civ. to Present	50	HI 13013 World Civ. since 1600	3
Amer. Hist. (I)	50	HI 23003 U.S. to 1876	3
Amer. Hist. (II)	50	HI 23013 U.S. since 1876	3
Gen. Psychology	50	PY 23003 General Psychology	3
Intro/Sociology	50	SO 23013 Intro. to Sociology	3
College Alg.(I)	50	MA 14043 College Algebra	3
Trigonometry	50	MA 14053 Plane Trigonometry	3
Calc. Elem. Functions	50	MA 24015/24025 Calculus I/II	10

CLEP credit will be accepted on a transfer basis from other Arkansas institutions, provided it is in the areas in which the College grants credit, and provided the scores fall within the College's minimum standards for acceptance of credit. CLEP examinations may be re-taken, but a waiting period of six months is required between tests in both the General Examinations and the Subject Examinations. No CLEP test may be repeated more than once in a 12-month period. CLEP credit is posted to the student's academic record without grades. Such credit is counted as hours earned, not as hours attempted. Students interested in taking one or more of these examinations should

contact the Testing Center in S146 for more information. \*section updated August 2015

## GRADES

The instructor's evaluation of the student's work is expressed by the following letter grades which are converted to grade points for the purpose of obtaining a grade point average (G.P.A.).

Grade Interpretation      Grade Point Value (per semester hr.)

A	Excellent	4
B	Good	3
C	Satisfactory	2
D	Poor	1
F	Failure	0
I	Incomplete	0
P	Pass	*
W	Withdrawal	*
AU	Audit	*

\* Grades of W, AU and P are not included in the computation of the grade point average. Grades in college preparatory courses are calculated as hours earned, but do not accrue grade points.

The "F" grade is recorded when: (1) student has failed on the combined evaluation of work through the semester and the final examination; (2) student stopped attending the course without completing the proper drop/withdraw procedure as outlined in the catalog; (3) student has a grade of "I" which has not been converted to a passing grade by mid-term of the next semester after it was assigned. A student who earns a "D" or "F" on the first semester of a continuous two semester course is not allowed to continue in that course until the "D" or "F" has been repeated for a grade of "C" or better. College preparatory courses are graded A<sup>^</sup>, B<sup>^</sup>, C<sup>^</sup>, D<sup>^</sup>, or F. Credit hours earned in these courses will not be applied toward graduation.

### Auditing a Course

Students wishing to enroll in courses for no grade and no credit may enroll as audit students. Audit status must be declared in the Registrar's Office by the Friday before classes begin. Audit students will be charged the current tuition and fee rate. Audited courses are **NOT** financial aid eligible.

### Grade Changes

Grades can be changed only by the instructor who assigned them and must be approved by the Dean or Division Chairperson and the Chief Academic Officer. Grade changes **MUST** occur within one calendar year from the time the original grade was assigned. Students who wish to challenge assigned grades must do so by petition within one calendar year after the grade was assigned.

### Grade Point Average

G.P.A. is determined by dividing the total grade points earned by the total credit hours attempted during the same period of time. Grades of W, AU, A<sup>^</sup>, B<sup>^</sup>, C<sup>^</sup>, D<sup>^</sup>, and P are not included in computation of the G.P.A.

### Grade Report Procedures

Mid-term grades are issued to students in the fall and spring semesters to inform them of progress in their courses. The mid-term grades are temporary grades and are not recorded on the student academic records. Students may access their term grades and unofficial transcripts at any time through myANC on the college's website at <http://myanc.anc.edu/ics>.

Final grades will be issued to all students at the end of each semester or at the end of the summer session. The final grades are permanent grades and will be recorded on student academic records. Inquiries concerning grades should be referred to the Registrar's Office.

## Grading Scale

Students will be given First-Day Handouts for each class at the beginning of each semester. Each handout will include the grading scale for that particular class as well as attendance requirements and materials needed for successful completion of the course.

## Incomplete Grades

A grade of "I" (incomplete) is assigned on the final grade roster when a student fails to meet all course requirements for reasons beyond his/her control, i.e., illness of the student, or serious illness or death in the family.

Procrastination or pressures of work in other courses are not satisfactory reasons for an "I" grade.

The "I" grade will be calculated into the grade point average with the appropriate hours attempted and no quality points earned. Students who do not complete the requirements for removal of the "I" grade by mid-term of the following fall or spring semester will be assigned a grade of "F." Students who complete the requirements will have the instructor assigned grade posted to the transcript and the grade point average will be adjusted accordingly.

## Repeating Courses

Students receiving a grade of "D" or "F" in a course may repeat the course in an attempt to improve the grade. The grade earned the last time the course is taken will be the final grade. Only the final grade will be considered in computing the grade point average. A student who enrolls in a physical education or applied music course for which he or she has been enrolled previously must establish, at the time of registration, if the enrollment is for the purpose of improving a previously earned grade of "D" or "F." Grades of "C" and above may not be repeated for a higher grade. In the event such courses are repeated, the original grade will stand and the repeated grade and credit will be ignored.

## SCHEDULE CHANGES

### Adding Courses

Courses may be added only during the first two days of class and only if a class that the student is enrolled in is cancelled. Students may add classes by contacting their academic advisor and completing the Registrar, Financial Aid and Business Office procedures.

### Dropping/Withdrawing From a Course

Courses dropped during the first ten days of a fall or spring semester or the first five days of a summer term will not appear on the student's record. Courses withdrawn from after the first ten days of a fall or spring semester or the first five days of a summer term will carry a grade of "W" and will appear on the student's record. Students who wish to drop/withdraw from a course or who are unable to continue attending a course must initiate the drop/withdraw procedure with the instructor of the course and a counselor or faculty advisor. It is imperative that students complete the procedure by notifying the Student Financial Aid Office, the Registrar's Office, the Business Office, and the Veterans Aid Assistant (if attending on the G.I. Bill). Students who stop attending a class and do not complete the proper procedure will be assigned a grade of "F" in the class, and the grade point average will be affected. **Classes may be dropped through the deadline date specified in the official college calendar for that semester.**

### Withdrawing from College

If a student finds it necessary to withdraw from any or all courses, it is important that the proper procedures be followed by beginning with the academic advisor and notifying the Student Financial Aid Office, the Registrar's Office, the Business Office, and the Veterans Aid Assistant (if attending on the G.I. Bill). Failure to complete the withdrawal procedure will result in failing grades being placed on the student's permanent academic record. Students may withdraw from the College within the deadline date specified in the official college calendar for that semester. A completed withdraw form must have instructor, advisor, financial aid and student signatures.

## GRADUATION

Arkansas Northeastern College awards certificates of proficiency, technical certificates and associate degrees.

Certificates of Proficiency - Certification of this type is awarded to students who have demonstrated mastery of skills and knowledge against specified performance standards in a specific area or discipline. Credit hours required for completion of certificates of proficiency are 7 to 18 credit hours with a grade of "C" or better in each required course and a cumulative GPA of 2.0 or better.

Technical Certificates - Certification of this type is completed through a planned and coherent program of classroom and laboratory work at the collegiate level. It recognizes the completion of a specified level of competency in an occupational field. The program of study may be part of an associate of applied science curriculum or a standalone program. Credit hours required for completion of a technical certificate range from 24 to 75 credit hours with a grade of "C" or better in each required course and a cumulative grade point average of 2.0 or better.

Associate Degree - The degree represents the successful attempt on the part of the College to guide students through learning experiences designed to develop proficiencies and insights. The associate degree reflects the conviction of the faculty and staff that the recipients possess certain basic principles, ideas, and skills both unique to, and common to, the various academic disciplines.

Students receiving the associate transfer degree are expected to evidence the ability to think and to communicate effectively and clearly both orally and in writing; to apply mathematics; to be aware of our culture and other cultures; to understand the modes of inquiry; to develop the capacity for self-understanding; to develop an appreciation for the arts; and finally, to gain sufficient knowledge in the field in order to contribute to the progress of society.

Students must earn a grade of "C" or better in English Composition I, English Composition II, and the required math course as stated in the degree plan (either Mathematical Applications or College Algebra) to receive an associate degree from ANC. Students must maintain a cumulative grade point average of 2.0 or above.

*Current Arkansas Northeastern College associate degrees include:*

Associate in Arts Degree - Designed for students who wish to complete the first two years of a baccalaureate degree and transfer to a senior institution.

Associate in Science Degree - Designed for students who wish to complete the first two years of a baccalaureate degree in Business, Criminology, or Childhood Education and transfer to a senior institution.

Associate of Applied Science Degree - Designed for students who wish to gain skills in a specific occupational area and enter directly into employment upon completion of the degree.

Continuously enrolled students may graduate under the catalog in effect at the time of their admission or the one in effect at the time they graduate. Students who have a break in enrollment of consecutive fall-spring or spring-fall semesters must meet catalog requirements in effect at the time of their readmission or the one in effect at the time they graduate.

Students planning to complete program requirements at the end of the semester for which they are registering should make an appointment with an advisor prior to registration to make sure that all program requirements will be met. An Application for Graduation should be filed with the Registrar's Office no later than the end of the fourth week of the spring semester. In order to graduate, a student must have a minimum G.P.A. of 2.00 and meet all the program requirements as outlined by the catalog which may require a higher G.P.A. Transfer students graduating from Arkansas Northeastern College must complete the last 15 semester hours in residence at ANC. Arkansas Northeastern College students who transfer to other colleges prior to graduation may petition to graduate from the College, provided they have earned 30 or more hours at the College and complete the additional requirements at the transfer institution. The 15 hour residency requirement must be met when a student works toward subsequent degrees from Arkansas Northeastern.

Commencement for the College's graduates is held once each year at the end of the spring semester. Eligible participants are those students who have completed requirements for the Associate of Arts Degree, Associate of Science Degree, the Associate of Applied Science Degree, or a Technical Certificate during the, the previous fall semester, the current spring semester, or upcoming summer term.

Honors - Graduating students whose cumulative grade point average is 3.75 to 4.00 will graduate with highest honors. Graduating students whose cumulative grade point average is 3.50 to 3.74 will graduate with honors. In order to be eligible for honors a student must have earned a minimum of 30 semester hours at Arkansas Northeastern College.

## POLICIES

### Academic Integrity Policy

Arkansas Northeastern College promotes academic integrity as the only fair and ethical way to achieve your educational goals. Cheating, plagiarism, collusion, giving or receiving test questions, use of annotated texts or teacher's editions are all violations of this code. Ultimately, you are held responsible for all college work that you do - inside and outside of class.

To help you keep to the level of integrity ANC requires, the College provides the following definitions:

**Integrity:** firm adherence to a code (<http://www.merriam-webster.com/dictionary/integrity>).

**Cheating:** to practice fraud or trickery; to violate rules dishonestly  
<http://www.merriamwebster.com/dictionary/cheat>

Examples: giving or receiving test questions/answers; copying computer files from another student; submitting another's work as your own; using any method to retrieve information in violation of the instructor's guidelines

**Plagiarism:** to steal and pass off (the ideas or words of another) as one's own, use (another's production) without crediting the source, to commit literary theft, present as new and original an idea or product derived from an existing source (<http://www.merriam-webster.com/dictionary/plagiarize>).

Examples: using the exact wording of another without the proper use of quotation marks and citations; paraphrasing another's ideas without giving credit to the producers or writers of the source

**Collusion:** secret agreement or cooperation especially for an illegal or deceitful purpose  
(<http://www.merriam-webster.com/dictionary/collusion>)

Examples: assisting another in an act of academic dishonesty; providing/accepting papers, projects, computer files or test answers to/from another student; allowing another student to copy one's work, including, but not limited to, essays, term papers, homework assignments, math problems, lab exercises and science lab manuals; working together on an assignment or take-home exam when instructed not to do so; removing tests or answer sheets from a test site; copying test questions, in any form, from the computer screen in an Internet course; allowing another student to view test/quiz items in an Internet course, whether purposefully or negligently (not logging out of myANC in a public area).

Academic dishonesty is a serious offense and will not be tolerated at ANC. The following consequences are in effect for all ANC courses:

- **1st Offense:** The instructor will determine the consequences of the academic dishonesty based on his/her policy in the First Day Handout for that course. The student's name and documentation of the offense will be submitted to the office of the Dean/Chair of that Division.
- **2nd Offense:** The student will be required to meet with the Division Dean/Chair and/or Chief Academic Officer. At that time, the Dean/Chair and/or VP of Instruction will decide the appropriate consequences of the academic dishonesty, possibly including a failing grade in the course. If the first and second offenses occurred in internet courses, then that student will be banned from enrolling in future internet courses at ANC. Second offense does not have to occur in the same class or same division as the first offense; this policy is in effect for all ANC courses.

Instructors have additional policies in effect for their particular courses, and these are clearly stated in the First Day Handout. Consult with your instructor if you have any doubt as to what constitutes violations of academic integrity in his/her particular course.

### No-Show Policy

Students who do not attend class(es) by the 4<sup>th</sup> day of a fall or spring semester or by the 2<sup>nd</sup> day of a summer

term will be reported by the instructor to the Registrar's Office as a "No Show." These students will be administratively dropped from the class. Students who are dropped as a "No Show" will receive a 100% refund of tuition and fees. Students will only be dropped from the classes in which they are reported as having never attended. Students who attend ONE class meeting will NOT be considered a "No Show" for that class and will be responsible for all tuition and fees.

*NOTE: Financial aid funds will be calculated based upon the student's official 11<sup>th</sup> day enrollment status for the fall and spring semesters and 5<sup>th</sup> day for the summer semester.*

## **SCHOLASTIC STANDARDS**

### **Academic Clemency**

Academic clemency provides a second chance for those undergraduate students who performed poorly early in their academic careers and who wish to return to college after having gained an appreciation of the benefits of higher education. This policy allows students to petition to have previously earned credits removed from the calculations of their cumulative grade point average. The policy is provided for students who have gained maturity through extended experience outside higher education institutions and have demonstrated acceptable academic performance following their return. This is a one-time, irrevocable recalculation of grade point average and credit hours toward graduation to be based only on work done after an extended separation from college.

The student will be granted or denied clemency by the Chief Academic Officer. If the petition for clemency is approved, the student's transcript will contain a record of all work; however, the grade point average will not reflect the credits for which the student is granted clemency and those credits will not count toward graduation.

In order to petition for academic clemency, the student must have:

- Been separated from all academic institutions for a period of at least 5 consecutive years;
- Met all assessment/placement requirements for entering freshman at Arkansas Northeastern College at the time of reentry;
- Re-enrolled at Arkansas Northeastern College and demonstrated acceptable academic performance by completing at least 12 degree credit hours with a grade point average of 2.00, or better; (hours earned in remedial courses are not counted)
- Upon completion of the above validation period, filed a Petition for Academic Clemency with the Chief Academic Officer.

Transfer students who have received clemency at another institution will be allowed to petition for clemency at Arkansas Northeastern under the above policy. The date of clemency will coincide with the date of reentry following the prolonged separation. The permanent student record (transcript) will note "Academic Clemency Granted" and the effective date.

### **Academic Honors**

- President's List - Students are named to the President's List when they earn a grade point average of 4.00 for 12 or more semester hours of work completed in any semester. College Preparatory courses are not included in the 12 hours.
- Dean's List - Students are named to the Dean's List when they earn a grade point average of 3.50 to 3.99 for 12 or more semester hours of work completed in any semester. College Preparatory courses are not included in the 12 hours.

### **Academic Probation**

All students regardless of admission category are subject to the academic probation and suspension policies of the College. Students whose cumulative grade point average (G.P.A.) is less than the level stated below will be placed on academic probation.

<b>Attempted</b>	<b>Cumulative G.P.A.</b>
6-20 semester hours	1.50
21-40 semester hours	1.75
41+ semester hours	2.00

Students who are placed on academic probation will be limited to a reduced course load (normally not to exceed 12 semester hours). They must consult an advisor and develop a plan of courses prior to enrollment for the next term. At this time, the students' aptitudes and interests will be reevaluated with respect to future educational plans. In addition to being placed on academic probation, students with grades of 'F' or 'W' for all classes in any semester will be required to meet with an assigned advisor in order to re-enroll. These students are subject to a severely reduced course load and may be required to attend tutoring sessions or participate in other support service activities.

### **Continued on Academic Probation**

Students who are on academic probation may be continued on probation as long as they maintain a semester grade point average of 2.00 or above for each term of enrollment. The probationary status will be removed when the cumulative grade point average is above the level shown in the table above.

### **Removed from Academic Probation**

A student previously on probation who raises his cumulative grade point average above the level stated, in the table above, will be removed from academic probation and reinstated in good standing.

### **Academic Suspension**

A student who is on academic probation and does not earn at least a 2.00 G.P.A. in the next semester of enrollment will be academically suspended and must remain out of school for one regular semester. Students who return to Arkansas Northeastern College after an academic suspension are continued on probation and must make a semester grade point average of at least 2.00 for each semester until the probationary status is removed; failure to do so will result in academic suspension. **Courses taken at another college or university during any suspension period may not be transferred to Arkansas Northeastern College for degree credit.**

### **Good Standing**

A "C" average (2.0 GPA) is considered good standing and is required for the successful completion of all degree and certificate programs. This level is considered satisfactory progress **in all academic programs.**

### **Petitions Committee**

The Petitions Committee is an ad hoc committee which handles student academic appeals. Students may make appeals to this Committee by completing a petition (forms are in the Registrar's Office and online at [www.anc.edu/admissions](http://www.anc.edu/admissions)). Petitions must be discussed with a counselor or faculty adviser prior to submission to the committee. The decision of the Committee is considered final. Students will receive notification of the committee's decision.





Arkansas Northeastern  
COLLEGE

Programs of Study

# PROGRAMS OF STUDY

## GENERAL EDUCATION

### General Education Mission

*To offer programs in general education that provide students with the skills and knowledge to succeed in their academic and career paths.*

### General Education Outcomes

General Education Outcomes are the goals for learning and development upon which higher education general education programs are based. They can be defined as the knowledge, skills, attitudes, and values that college students will need to be successful in work, family, and community. They are what students should know, understand, and be able to do in order to be an educated person and to meet the demands that the future will place on them, the demands of the complex, diverse, and globally interdependent world of the 21st century. They often include the competencies, skills, and qualities in What Work Requires of Schools by The *Secretary's Commission on Achieving Necessary Skills*, U.S. Department of Labor. The SCAN Competencies are Resources, Interpersonal Skills, Information, Systems, and Technology. The SCAN Foundation competencies include Basic Skills, Thinking Skills, and Personal Qualities such as individual responsibility.

General Education Outcomes are also known as general education abilities, general education goals, general competencies, core abilities, core competencies, essential learning outcomes, learning goals, learning objectives, college-wide outcomes, principles of undergraduate learning, and transferable skills of liberal learning etc.

The achievement of general education outcomes gives students the learning techniques they need to acquire and apply new knowledge and skills even if they do not retain all the content knowledge of the disciplines or if the content becomes outdated. They are cross-cutting skills; they are addressed both within courses and across the curriculum.

### Institutional General Education

The broad knowledge and intellectual concepts as well as the skills and attitudes that Arkansas Northeastern College believes every student receiving an associate degree should possess. (Excerpted from the Higher Learning Commission Criteria for Accreditation, effective January 1, 2013.)

## INSTITUTIONAL GENERAL EDUCATION OUTCOMES

### 1. Information Literacy

- Students use information legally and ethically.
- Identify and locate resources for the investigation of a topic.
- Analyze and evaluate information for its usefulness and validity.
- Organize information and cite information resources properly.

### 2. Quantitative Reasoning

- Students apply appropriate quantitative reasoning skills to solve a problem.
- Identify the information needed to clarify and solve the problem.
- Interpret data, perform calculations using the appropriate problem-solving techniques, and analyze the validity of the results.
- Communicate and defend these results to the appropriate audience.

### 3. Communication Fluency

- Students communicate effectively.
- Compose and present effective prose in argumentative, expository, and/or technical forms to general and specialized audiences.

- Synthesize multiple credible and relevant sources to support a position.

#### **4. Critical Thinking**

- Students apply higher-order analytical skills.
- Evaluate the validity of competing hypotheses and apply appropriate skills to make decisions.
- Analyze information to support a chosen position with consideration of consequences.

#### **5. Diversity Awareness**

- Students demonstrate awareness of diversity.
- Recognize and respond effectively to cultural biases.
- Acknowledge the contributions made by people with different backgrounds.
- Interact respectfully with persons of diverse backgrounds.
- Adapt behavior to unfamiliar cultural and social perspectives.

## **DEGREES AND CERTIFICATES**

### **Associate of Arts Degree (A.A.)**

The Associate of Arts Degree is designed for students who wish to complete the first two years of a baccalaureate degree and transfer to a senior institution. The Associate of Arts Degree requires successful completion of 60 credit hours with a minimum cumulative 2.00 GPA including the completion of the General Education Requirements.

Students planning to complete graduation requirements at the end of any given semester will be required to file an application for graduation with the Registrar's Office no later than the end of the 6th week of that semester.

*\* Note: Students must earn a "C" or better in English Composition I, English Composition II, and College Algebra to receive an Associate degree from ANC.*

### **Associate of Applied Science Degrees (AAS)**

Career and Technical Education (CTE) programs integrate employability skills, technical knowledge and skills, and core academic knowledge to prepare students for a wide range of occupations. They also provide the education necessary for additional workplace training, skills upgrades and career advancement. Arkansas Northeastern College offers a wide range of CTE programs that vary in length as described below.

The Associate of Applied Science Degree is a technical degree designed to prepare the student in a specific occupational area. Persons receiving the AAS normally enter directly into employment in the area of specialization. The AAS is a terminal degree; therefore, it is not designed to transfer to a four-year institution. In most cases, students to whom transfer is important should obtain assurances in advance from the institution to which they wish to transfer. The AAS degree requires successful completion of one of the prescribed curricula that appear on the following pages. This will include the completion of the number of hours specified in that curriculum with a minimum grade point average of 2.00.

A minimum of 15 additional hours of specified course work must be completed for a student to receive a second Associate degree. The 15 hours must be selected from the major requirements for the second degree and be approved by the appropriate Dean.

Students who plan to complete graduation requirements at the end of any given semester must file an application for graduation with the Registrar's Office no later than the end of the sixth week of that semester.

*\* Note: Students must earn a "C" or better in English Composition I, English Composition II, and the math requirement to receive an Associate of Applied Science Degree from ANC.*

## Technical Certificates

Technical certificates are available in certain technical areas as listed on the following pages. A technical certificate requires 24 to 75 credit hours of course work for completion depending on the course of study. Students must earn a grade of "C" or better in each required course. Exceptions to program requirements must have the approval of the Dean of the division and the Chief Academic Officer. The last 15 hours of regular course work must be completed at the College. If a student plans to complete certificate requirements at the end of any given semester, it will be necessary for him/her to file an application with the Registrar's Office no later than the end of the sixth week of that semester.

## Certificates of Proficiency

The Certificate of Proficiency is awarded to students who have demonstrated mastery of skills and knowledge against specified performance standards in a specific area or discipline. The Certificate of Proficiency requires between 7-18 hours of course work for completion depending upon the area of study. Students must earn a grade of "C" or better in each required course. If a student plans to complete certificate requirements at the end of any given semester, it will be necessary for him/her to file an application with the Registrar's Office no later than the end of the sixth week of that semester.

## DEGREE PLANS

### TRANSFER DEGREES

Students should earn the Associate in Arts or Associate in Science degree before transferring to another college or university. Courses transfer easily. Arkansas Northeastern College has transfer agreements that are certified by the admissions staff and the academic vice president. Students transferring to other colleges and universities should contact the Admissions Office to assure articulation and transfer to fit specific conditions of receiving institutions. Transfer students can begin preparing for careers in fields such as communications, business, education, medicine, mathematics, science, music, and computer science. Arkansas Northeastern has formal transfer agreements with all four-year public colleges in Arkansas, Southeast Missouri State University, Franklin University, and other out-of-state colleges and universities. These agreements allow students who complete the Associate in Arts degree at Arkansas Northeastern to transfer with junior standing.

### The Associate of Arts Degree (A.A.)

#### English Composition and Mathematics (9 HOURS)

Rationale: General education skills in writing and mathematics will provide students with the competencies that are required in academic and professional careers. To write and read competently in a critical and organized manner are necessities in the world of college and work. To perform computations, reason logically, and think independently are also essential skills that will aid the student in every college or career endeavor. Students must earn a "C" or better in English Composition I, English Composition II, and College Algebra to receive a degree from ANC.

English Composition (6 hours): (Grade of C or above in each)  
EN 12003 English Composition I EN 12013 English Composition II

Mathematics: (3 hours) (Grade of C or above)  
MA 14043 College Algebra or MA 14123 Quantitative Reasoning or higher level math

#### Natural Sciences (8 HOURS)

(A minimum of 4 semester hours of life science and 4 semester hours of physical science.)

Rationale: The Natural Sciences provide the opportunity for the development of independent, creative, and logical thinking while enhancing one's understanding of the effects of the sciences upon the individual, society, and the environment. The information gained from studies in the biological and physical sciences is based upon

acute observations, experimentation, and arriving at logical conclusions. The decision-making processes that are used daily in coping with life in a modern society are basically those practiced in all science classes. The historical development of this logical process is an integral part of each science class and, as such, provides the individual with a foundation for continued personal growth.

Life Sciences (Choose one)

- BI 14033/14041 General Biology and Lab
- BI 14053/14061 Botany and Lab
- BI 14073/14081 Zoology and Lab
- BI 24003/24011 Anatomy & Physiology I and Lab
- BI 24023/24031 Anatomy & Physiology II and Lab
- BI 24043/24051 Microbiology and Lab

Physical Sciences (Choose one)

- PS 14003/14011 Physical Science and Lab
- CH 14023/14031 General Chemistry I and Lab
- CH 14043/14051 General Chemistry II and Lab
- PS 24023/24031 General Physics I and Lab
- PS 24043/24051 General Physics II and Lab
- PS 14043/14051 Physical Geology and Lab

**Fine Arts/Humanities (6 HOURS)**

(Select a 3 semester hour integrative course and a 3 semester hour appreciation course)

Rationale: The Humanities provide an integrated view of civilization and society. The universal aspects of human emotions, self-preservation, and self-identity are studied as they have been expressed through the arts to supply answers to the basic questions, "Who am I?" and "Why am I here?" Such study results in flexibility, tolerance, and acceptance of other points of view and allows students to see themselves and their time in perspective. The Humanities also develop appreciation for aesthetic and creative endeavors through active participation in the areas of art, music, and theatre.

Integrative (Choose one):

- EN 22003 World Literature I
- EN 22013 World Literature II
- HU 22003 Humanities through the Arts
- PH 22003 Introduction to Philosophy

Appreciation (Choose one):

- AR 22003 Art Appreciation
- MU 22003 Music Appreciation
- TH 22013 Fine Arts Theatre

**U.S. History/Government (3 HOURS) Choose one**

Rationale: History and social sciences provide the student the opportunity to develop an appreciation of the essential worth of the individual person as a viable and active instrument of change, socially and politically, in the affairs of life. This can be accomplished through an integrated view of civilization, economic development, and social evolution.

- HI 23003 The U.S. to 1876
- HI 23013 The U.S. since 1876
- PO 23003 American National Government

**Social Sciences (9 HOURS)**

(Select 3 hours of World Civilization and 6 hours of Social Sciences not already chosen.)

World Civilization (3 hours): Choose one.

- HI 13003 World Civilization to 1600
- HI 13013 World Civilization since 1600

Social Science (6 hours): Choose two.

- HI 13003 World Civilization to 1600
- HI 13013 World Civilization since 1600
- HI 23003 The U.S. to 1876
- HI 23013 The U.S. since 1876
- PO 23003 American National Government
- PY 23003 General Psychology
- EC 21003 Macroeconomics
- SO 23013 Introduction to Sociology

**Institutional Requirements (7 HOURS)**

Communication.....3 HOURS

Rationale: Speaking, listening, and interpreting competently are necessary skills for the successful communication of ideas. This course provides a firm knowledge of how people send, receive, and perceive messages in everyday life.

- SP 12103 Introduction to Communication

Physical Fitness and Recreation.....2 HOURS

Rationale: Physical fitness and recreation provide students the opportunity to understand and participate in physical fitness and health maintenance while exploring the lifelong leisure and recreational options. Such opportunities help develop lifelong attitudinal and recreational skills for maintaining physical and mental fitness. PE 17112 Fitness for Life or two one-hour activity courses

Academic & Career Enrichment.....2 HOURS

Rationale: This course provides the necessary survival skills for academic and career success as well as lifelong learning. The course enhances the learning, success, satisfaction, retention, and graduation of college students.

PY 13002 Academic and Career Enrichment

**Directed Electives (18 HOURS)**

Select courses, not already taken, from the following areas to fulfill requirements:

Prefix	Elective Credit
AN, AR, BI, CH, EC, HI, HU, LA, MU, PH, PO, PS, PY, SO, SP, GE, TH	All courses with these prefixes are applicable
EN	Technical Communications may not be selected. All other EN courses are applicable.
MA	No Math Applications course nor Math for Teachers I or II may be selected. All other MA courses are applicable.
CJ	Only CJ 15003 Intro to CJ is applicable. No other CJ courses may be selected.

**Total Hours - 60 HOURS**

**Summary of Associate of Arts Degree Requirements:**

General Education Core Requirements	
English Composition and Mathematics	9 hours
Natural Sciences	8 hours
Fine Arts/Humanities	6 hours
U.S. History or Government	3 hours
Social Sciences	9 hours
Institutional Requirements:	
Communications	3 hours;
Physical Fitness & Recreation.	2 hours;
Academic & Career Enrichment	2 hours
Directed Electives	<u>18 hours</u>
Total Hours	<u>60 hours</u>

Associate of Arts Minimum Scores Required			
	Math	English	Reading
ACT	15	15	15
COMPASS	(A) 18 (P) 27	49	70

## Associate of Science Degree - Business

The Associate of Science in Business Degree is designed for students who wish to complete the first two years of a business-related bachelor's degree and then transfer to a four-year college or university. This degree program includes both general education courses and core business courses. The Associate of Science in Business Degree requires successful completion of 64 credit hours with a minimum cumulative grade point average of 2.0.

Students pursuing this degree must satisfy all remediation and prerequisite course requirements in addition to the courses listed below. The following sequencing of courses is recommended for full-time students who have completed all prerequisites. Many individuals, especially part-time students and those taking college preparatory courses will require additional semesters of study. Consult with your advisor each semester to determine an appropriate schedule.

### Credit Hours

#### **FALL SEMESTER – 17 credit hours**

PY 13002 Academic & Career Enrichment	2
EN 12003 English Composition I	3
MA 14043 College Algebra	3
CS 11033 Computer Fundamentals	3
AR 22003 Art Appreciation <b>OR</b> MU 22003 Music Appreciation <b>OR</b> TH 22013 Fine Arts Theatre	3
SO 23013 Introduction to Sociology	3

#### **SPRING SEMESTER – 16 credit hours**

EN 12013 English Composition II	3
MA 24073 Business Calculus	3
BI 14033/14041 General Biology & Lab	4
SP 12103 Introduction to Communication	3
HI 13003 World Civilization to 1600 <b>OR</b> HI 13013 World Civilization since 1600	3

#### **FALL SEMESTER – 16 credit hours**

AC 21003 Principles of Accounting I	3
EC 21003 Macroeconomics	3
BU 11013 Legal Environment of Business	3
PS 14003/14011 Physical Science & Lab	4
OT 21003 Business Communications	3

#### **SPRING SEMESTER – 15 credit hours**

AC 21013 Principles of Accounting II	3
PO 23003 American National Government <b>OR</b> HI 23003 U.S. to 1876 <b>OR</b> HI 23013 U.S. since 1876	3
EN 22003 World Literature I <b>OR</b> EN 22013 World Literature II	3
BU 21013 Business Statistics	3
EC 21013 Microeconomics	3

**TOTAL DEGREE CREDIT HOURS 64**

<b>AS Business</b>			
<b>Minimum Scores Required</b>			
	Math	English	Reading
ACT	15	15	15
COMPASS	(A) 18 (P) 27	49	70

**Note:** Students must earn a "C" or better in English Composition I, English Composition II, and the math requirement to receive an Associate of Science Degree from ANC.

## Associate of Science Degree - Childhood Education (prior to Sept 11, 2015)

This two-year Associate of Science Degree in Childhood Education is designed for the student who is interested in transferring to a senior institution and completing a Bachelor of Science in Elementary Education at the pre-school through eighth grade level. This program combines a broad background of courses in elementary education with a concentration in specific areas of emphasis in addition to a sound liberal arts education.

<b>General Education Core:</b>	<b>Credit Hours</b>
EN 12003 English Composition I	3
EN 12013 English Composition II	3
SP 12103 Introduction to Speech	3
MA 14043 College Algebra	3
BI 14033 General Biology	3
BI 14041 General Biology Lab	1
PS 14003 Physical Science	3
PS 14011 Physical Science Lab	1
EN 22003 World Literature I OR EN 22013 World Literature II	3

<b>HUMANITIES - 3 hours (choose 1 course)</b>	<b>3</b>
AR 22003 Art Appreciation <b>OR</b> MU 22003 Music Appreciation <b>OR</b> TH 22013 Fine Arts Theatre	

HI 13003 World Civ. to 1600 <b>OR</b> HI 13013 World Civ. since 1600	3
HI 23003 US History to 1876 <b>OR</b> HI 23013 US History since 1876	3
PO 23003 American National Gov't.	3
PY 23003 General Psychology	3

<b>PHYSICAL EDUCATION - (any PE course)</b>	<b>1</b>
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<b>Total General Education Core Credit Hours</b>	<b>39</b>
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**Directed Electives: Choose Seven Courses (21 hours)**

ED 23003 Intro. to Elementary Education	3
ED 23113 PRAXIS I Prep	3
ED 23103 Intro. to Edu. Technology	3
ED 23053 Child Development	3
ED 23013 Survey of Early Child. Edu.	3
MA 24003 Math for Teachers I (Fall Only)	3
MA 24043 Math for Teachers II (Spring Only)	3
GE 23003 Introduction to Geography	3
HI 23023 Arkansas History	3

<b>Total Directed Electives Credit Hours</b>	<b>21</b>
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<b>TOTAL DEGREE CREDIT HOURS</b>	<b>60</b>
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<b>AS Childhood Education Minimum Scores Required</b>			
	Math	English	Reading
ACT	15	15	15
COMPASS	(A) 18 (P) 27	49	70

**Notes:**

Mid-level majors (4-8 should take the directed electives of Introduction to Geography, Arkansas History, Introduction to Elementary Education, Introduction to Education Technology, Math for Teachers I, and Math for Teachers II. P through 4 majors should take Introduction to Elementary Education, Introduction to Education Technology, Child Development, Survey of Early Childhood Education, Math for Teachers I, and *Math for Teachers II*.

Students must earn a "C" or better in English Composition I, English Composition II, and College Algebra to receive an Associate of Science degree from ANC.

Students must earn a "C" or better in English Composition I, English Composition II, Communications, and College Algebra, and pass the PRAXIS I Test prior to admission into the Teacher Education Program at ASU.

**Note: Students must pass PRAXIS I Test prior to admission into the Teacher Education Program at ASU.**



**Associate of Science Degree – Childhood Education- Elementary K-6** (adopted Sept 11, 2015)

**General Education Core Requirements 41 hours**

- \_\_\_ PY13002 Academic and Career Enrichment (ACE)
- \_\_\_ EN12003 English Composition I
- \_\_\_ EN12013 English Composition II
- \_\_\_ SP12103 Introduction to Communications
- \_\_\_ MA14043 College Algebra
- \_\_\_ BI14033 General Biology **and** BI14041 General Biology Lab
- \_\_\_ PS140003 Physical Science **and** PS14011 Physical Science Lab
- \_\_\_ PS14043 Physical Geology **and** PS14051 Physical Geology Lab
- \_\_\_ EN22003 World Literature I **or** EN22013 World Literature II
- \_\_\_ HI13003 World Civilization to 1600 **or** HI13013 World Civilization Since 1600
- \_\_\_ HI23003 US History to 1876 **or** HI23013 US History Since 1876
- \_\_\_ PO23003 American National Government
- \_\_\_ AR22003 Art Appreciation **or** MU22003 **or** SP22013 Fine Arts Theatre

**Education Requirements 24 hours**

- \_\_\_ ED23103 Intro to Ed. Tech.
- \_\_\_ ED23003 Introduction to Teaching
- \_\_\_ ED23033 Survey of Exceptional Child
- \_\_\_ ED23133 Child Growth and Learning
  
- \_\_\_ MA24003 Math for Teachers I
- \_\_\_ MA24043 Math for Teachers II
- \_\_\_ GE23003 Introduction to Geography
- \_\_\_ HI23023 Arkansas History

<b>AS Childhood Education Minimum Scores Required</b>			
	Math	English	Reading
ACT	15	15	15
COMPASS	(A) 18 (P) 27	49	70

**TOTAL: 65 hours**

Students must earn a “C” or better in English Composition I, English Composition II, and College Algebra to receive an Associate of Science degree from ANC.

Prior to admission into the Teacher Education Program at Arkansas State University, all students must:

- Attain minimum passing scores on the Praxis Core tests for reading, math and writing
- Have an overall GPA of at least 2.7

**Associate of Science Degree - Childhood Education Midlevel** (adopted Sept 11, 2015)

**General Core Requirements**

**37 hours**

- \_\_\_ PY 13002 Academic and Career Enrichment (ACE)
- \_\_\_ EN12003 English Composition I
- \_\_\_ EN12013 English Composition II
- \_\_\_ SP12103 Introduction to Communications
- \_\_\_ MA14043 College Algebra
- \_\_\_ BI14033 General Biology **and** BI14041 General Biology Lab
- \_\_\_ PS14003 Physical Science **and** PS14011 Physical Science Lab
- \_\_\_ EN22003 World Literature I **or** EN22013 World Literature II
- \_\_\_ HI13003 World Civilization to 1600 **or** HI13013 World Civilization Since 1600
- \_\_\_ HI23003 US History to 1876 **or** HI23013 US History Since 1876
- \_\_\_ PO23003 American National Government
- \_\_\_ AR22003 Art Appreciation **or** MU22003 **or** SP22013 Fine Arts Theatre

<b>AS Childhood Education Minimum Scores Required</b>			
	Math	English	Reading
ACT	15	15	15
COMPASS	(A) 18 (P) 27	49	70

**Education Requirements**

**12 hours**

- \_\_\_ ED23103 Intro to Ed. Tech.
- \_\_\_ ED23003 Introduction to Teaching
- \_\_\_ HI23023 Arkansas History
- \_\_\_ ED23033 Survey of Exceptional Child

**Specialty Electives (choose 2 specialty content areas)**

**13-16 hours**

<i>English Language Arts (6 hours)</i>	<i>Math (9 hours)</i>
___ EN22003 World Lit I <b>or</b> EN22013 World Lit II ___ EN22083 Introduction to Poetry and Drama <b>or</b> ___ EN22093 Introduction to Fiction	___ MA24003 Math for Teachers 1 ___ MA24043 Math for Teachers 2 ___ MA12143 Quantitative Reasoning <b>or</b> ___ MA24073 Business Calculus
<i>Social Studies (6-9 hours) With Math – 6; With Language Arts or Science – 9</i>	<i>Science (7 hours)</i>
___ GE23003 Introduction to Geography ___ HI23003 US History to 1876 <b>or</b> HI 23013 US History Since 1876 ___ HI13003 World Civilization to 1600 <b>or</b> HI13013 World Civilization Since 1600 ___ EC21003 Macroeconomics (fall only) <b>or</b> ___ EC21013 Microeconomics (spring only)	___ CH14003 Survey of Chemistry ___ PS14043 Physical Geology <b>and</b> PS14051 Physical Geology Lab

**Total: 62-65 hours**

Students must earn a “C” or better in English Composition I, English Composition II, and College Algebra to receive an Associate of Science degree from ANC.

Prior to admission into the Teacher Education Program at Arkansas State University, all students must:

- Attain minimum passing scores on the Praxis Core tests for reading, math and writing
- Have an overall GPA of at least 2.7

## Associate of Science Degree - Criminology

This two-year Associate of Science Degree in Criminology is designed for the student interested in transferring to a senior institution and completing a Bachelor of Arts Degree in Criminology. The program combines a broad background of core Criminology courses with a sound liberal arts education. This degree may be used as the springboard for desired employment with federal law enforcement agencies such as the FBI, CIA, DEA, ATF or Federal Probation and Parole as well as pre-law or political ambitions.

Students pursuing the AAS degree must satisfy all assessment, remediation, and prerequisite course requirements. The following sequencing of courses is recommended for full-time students who have completed all prerequisites. Many individuals, especially part-time students and those taking college preparatory courses, will require additional semesters of study. Consult with your advisor each semester to determine an appropriate schedule.

### Credit Hours

<b>FALL SEMESTER – 16 credit hours</b>	
PY 13002 Academic & Career Enrichment	2
EN 12003 English Composition I	3
MA 14043 College Algebra <b>OR</b> MA 14123 Quantitative Reasoning	3
SP 12103 Introduction to Communication	3
PE 17112 Fitness For Life	2
CJ 15003 Introduction to Criminal Justice	3

<b>SPRING SEMESTER – 16 credit hours</b>	
EN 12013 English Composition II	3
BI 14033 General Biology	3
BI 14041 General Biology Lab	1
SO 23013 Introduction to Sociology	3
HI 13003 World Civ To 1600 <b>OR</b> HI 13013 World Civ Since 1600	3
CJ 25023 Criminal Evidence	3

<b>FALL SEMESTER – 16 credit hours</b>	
PS 14003 Physical Science	3
PS 14011 Physical Science Lab	1
EN 22003 World Literature I	3
AR 22003 Art Appreciation <b>OR</b> MU 22003 Music Appreciation <b>OR</b> TH 22013 Fine Arts Theater	3
PY 23003 General Psychology	3
CJ 25013 Criminal Investigation	3

<b>SPRING SEMESTER – 12 credit hours</b>	
PO 23003 American National Gov't	3
HI 23003 US History To 1876 <b>OR</b> HI 23013 US History Since 1876	3
EN 22013 World Literature II	3
SO 23103 Criminology	3

**TOTAL DEGREE CREDIT HOURS 60**

<b>AS Criminology Minimum Scores Required</b>			
	Math	English	Reading
ACT	15	15	15
COMPASS	(A) 18 (P) 27	49	70

**Note:** Students must earn a "C" or better in English Composition I, English Composition II, and the math requirement to receive an Associate in Science Degree from Arkansas Northeastern College

## **CAREER AND TECHNICAL EDUCATION DEGREES/PROGRAMS**

Many students enroll in courses leading to certification or to the Associate in Applied Science Degree to obtain the necessary skills for a particular occupation or enhance their skills so that they can advance in their jobs. Career programs can be completed in one semester, one year (certificate) or two years (degree).

Career and Technical Education programs (CTE) are administered by several divisions within the College. A listing of these divisions and the programs they offer are as follows.

### **Business and Technical Division**

The Business and Technical Division is committed to providing quality academic and technical programs that meet the needs of students, the community, business, industry, and government. The Division strives to provide associate degree and certificate students with occupational skills necessary for success in the workplace through a carefully sequenced curriculum. In addition, the programs have been designed to prepare students to work effectively with others, to solve problems, to make decisions, and to adapt to change. A goal of the Division is to create an environment that promotes life-long learning, respect for diversity, and ethical and professional behavior. Programs administered by ANC's Business and Technical Division include:

#### **Associate of Applied Science**

- Business Management
- Computer Information Systems
- Criminal Justice
- Office Technology

#### **Technical Certificate**

- Team Leadership

#### **Certificates of Proficiency**

- Clerical Support
- Medical Transcription

The Business and Technical Division also offers two degrees for students who are planning to transfer to a college or university to obtain a bachelor's degree. These degrees include:

#### **Associate of Science**

- Business
- Criminology

All candidates for an Associate of Applied Science degree taken within the Business and Technical Division must have a cumulative grade point average of 2.0 in order to graduate. In addition, students are required to have a cumulative grade point average of 2.0 in all courses listed as major requirements. For students majoring in Business Management and Office Technology, a cumulative grade point average of 2.0 is also required in the following courses: AC 21003 Principles of Accounting I, BU 11013 Legal Environment of Business, BU 11023 Decision Strategies, CS 21003 Spreadsheet Applications, and OT 21003 Business Communications.

#### **Outcomes Assessment**

All business and technical program majors must take the proficiency exam adopted for their specific program area, if one is required, before they will be awarded their Associate degrees.

#### **Professional Credentials/Certification Testing**

Some students have an opportunity to enhance their professional credentials by successfully passing certification examinations from nationally recognized entities such as Microsoft Corporation. All students may sit for various national certification examinations on campus at the College's Testing Center. All tests are scheduled on an appointment basis. Please see the Business and Technical Division for more information about testing and consult your Financial Aid Advisor regarding possible financial assistance with examination costs. The following computer certification examinations are available through the College's Testing Center.

Microsoft Word \$80  
 Microsoft Excel \$80

Microsoft PowerPoint \$80  
 Microsoft Access \$80

## Business Management - Associate of Applied Science Degree

The Business Management program is designed for individuals who wish to enter the job market after completing approximately two years of study. This Associate of Applied Science Degree provides students with fundamental business knowledge and skills that prepare them for employment opportunities in both public and private business and industry settings. In addition, this program is a vehicle for improvement for those wanting to update and enhance current job skills.

Students pursuing the AAS degree must satisfy all assessment, remediation, and prerequisite course requirements. The following sequencing of courses is recommended for full-time students who have completed all prerequisites. Many individuals, especially part-time students and those taking college preparatory courses will require additional semesters of study. Consult with your advisor each semester to determine an appropriate schedule.

### FALL SEMESTER – 14 credit hours

PY 13002 Academic & Career Enrichment	2
EN 12003 English Composition I	3
MA 14093 Math Apps for Business <b>OR</b> MA 14043 College Algebra	3
CS 11033 Computer Fundamentals	3
BU 11003 Introduction to Business	3

AAS Business Management Minimum Scores Required			
	Math	English	Reading
ACT	15	15	15
COMPASS	(A) 18 (P) 27	49	70

### SPRING SEMESTER – 15 credit hours

EN 12013 English Composition II	3
CS 21003 Spreadsheet Applications	3
MK 21043 Customer Service	3
MG 21003 Principles of Supervision	3
BU 11023 Decision Strategies	3

### Curriculum Summary:

General Education Requirements	15
Institutional Requirements	2
Business Core Requirements	15
Major Requirements	28
<b>Total Degree Credit Hours</b>	<b>60</b>

### FALL SEMESTER – 15 credit hours

OT 21003 Business Communications	3
AC 21003 Principles of Accounting I	3
BU 11013 Legal Environment of Business	3
MK 21013 Marketing Fundamentals	3
MG 21073 Teamwork and Team Building	3

**Note:** Students must earn a "C" or better in English Composition I, English Composition II, and the math requirement to receive an Associate in Applied Science Degree from Arkansas Northeastern College.

### SPRING SEMESTER – 16 credit hours

MG 21063 Principles of Leadership	3
AC 21013 Principles of Accounting II	3
SO 23013 Introduction to Sociology	3
AC 21033 Computerized Accounting	3
IS 15053 Project Management	3
CE 21041 Career Management	1

A cumulative grade point average of 2.0 is required in the following courses: AC 21003 Principles of Accounting I, BU 11013 Legal Environment of Business, BU 11023 Decision Strategies, CS 21003 Spreadsheet Applications, and OT 21003 Business Communications.

**TOTAL DEGREE CREDIT HOURS 60**



## Computer Information Systems – Associate of Applied Science Degree

This program is designed for students who wish to enter the information technology field. The program provides students with a solid foundation in computer hardware and software, personal computer maintenance, programming, networking, and web page design. Students earning this degree may enter into a variety of occupations in a number of different industries such as education, manufacturing, health care, telecommunications or finance.

Students pursuing this degree must satisfy all assessment, remediation and prerequisite course requirements in addition to the courses listed below. The following sequencing of courses is recommended for full-time students who have completed all prerequisites. Many individuals, especially part-time students and those taking college preparatory courses will require additional semesters of study. Consult with your advisor each semester to determine an appropriate schedule.

	Credit Hours
<b>FALL SEMESTER – 14 credit hours</b>	
PY 13002 Academic & Career Enrichment	2
EN 12003 English Composition I	3
MA 14093 Math Apps for Business OR MA 14043 College Algebra	3
CS 11033 Computer Fundamentals	3
CS 11533 Intro. to Computer Information Systems	3

<b>SPRING SEMESTER – 15 credit hours</b>	
EN 12013 English Composition II	3
CS 21123 Networking I	3
CS 21443 PC Hardware and Software I	3
CS 21003 Spreadsheet Applications	3
BU 11023 Decision Strategies	3

<b>FALL SEMESTER – 16 credit hours</b>	
CS 21043 Visual Basic Programming	3
CS 21333 Networking II	3
CS 21463 Website Development	3
CS 21453 PC Hardware and Software II	3
SO 23013 Introduction to Sociology	3

<b>SPRING SEMESTER – 15 credit hours</b>	
CS 21343 Networking III	3
CS 21093 Database Management	3
CS 21473 Fundamentals of Network Security	3
MG 21073 Teamwork and Team Building	3
MK 21043 Customer Service	3
CE 21041 Career Management	1

**TOTAL DEGREE CREDIT HOURS 60**

<b>AAS Computer Information Systems Minimum Scores Required</b>			
	Math	English	Reading
ACT	15	15	15
COMPASS	(A) 18 (P) 27	49	70

### Curriculum Summary:

General Education Requirements	15
Institutional Requirements	2
Major Requirements	43
<b>Total Degree Credit Hours</b>	<b>60</b>

**Note:** Students must earn a “C” or better in English Composition I, English Composition II, and the math requirement to receive an Associate of Applied Science Degree from Arkansas Northeastern College.

## Criminal Justice- Associate of Applied Science Degree

This two-year Associate of Applied Science Degree in Criminal Justice is designed to prepare students, with or without experience, for entry-level jobs in criminal justice fields such as law enforcement, the court system, corrections, and security. The program combines a broad background of courses in the area of law enforcement, corrections, and criminal law with a sound liberal arts education. Employment opportunities for graduates are available in city, county, and state agencies, as well as private industry and the armed forces.

Students pursuing this degree must satisfy all assessment remediation and prerequisite course requirements in addition to the courses listed below. The following sequencing of courses is recommended for full-time students who have completed all prerequisites. Many individuals, especially part-time students and those taking college preparatory courses, will require additional semesters of study. Consult with your advisor each semester to determine an appropriate schedule.

### FALL SEMESTER – 14 credit hours

PY13002 Academic & Career Enrichment	2
EN 12003 English Composition I	3
MA 14073 Math Apps for Tech Programs <b>OR</b> MA 14043 College Algebra <b>OR</b> MA 14123 Quantitative Reasoning	3
CJ 15003 Introduction to Criminal Justice	3
SO 23013 Introduction to Sociology	3

### SPRING SEMESTER – 15 credit hours

EN 12013 English Composition II	3
CS 11033 Computer Fundamentals	3
BU 11023 Decision Strategies	3
CJ 15013 Introduction to Corrections	3
Approved Elective*	3

### FALL SEMESTER – 15 credit hours

PY 23003 General Psychology	3
CJ 25093 Forensic Science	3
CJ 25053 Criminal Law & Procedure	3
CJ 25013 Criminal Investigation	3
CJ 25143 Juvenile Law & Procedure	3

### SPRING SEMESTER – 16 credit hours

CJ15093 Criminal Justice Ethics	3
CJ 25023 Criminal Evidence	3
SO 23103 Criminology	3
CJ 25193 Police & Society	3
CE 21041 Career Management	1
Approved Elective*	3

**TOTAL DEGREE CREDIT HOURS 60**

### Curriculum Summary:

General Education Requirements	15
Institutional Requirements	2
Major Requirements	37
Approved Electives	6
<b>Total Degree Credit Hours</b>	<b>60</b>

AAS Criminal Justice Minimum Scores Required			
	Math	English	Reading
ACT	15	15	15
COMPASS	(A) 18 (P) 27	49	70

### \*Approved Electives:

#### Choose two courses from the following list.

- BU 11013 Legal Environment of Business
- CE 21013 Internship
- CJ 15033 Introduction to Jail Standards
- CJ 15103 Terrorism
- CJ 25033 Basic Law Enforcement/Corrections I  
(Officer Reserve Course)
- CJ 25043 Basic Law Enforcement/Corrections II  
(Credit granted through Certification only.)
- CJ 25003 Basic Law Enforcement/Corrections III  
(Credit granted through Certification only)
- CJ 25063 Community Corrections
- CJ 25163 Frontline Law Enforcement Supervision
- LA 12003 Spanish I
- LA 12013 Spanish II
- SO 23043 Social Problems

**Note:** Students must earn a "C" or better in English Composition I, English Composition II, and the math requirement to receive an Associate of Applied Science Degree from Arkansas Northeastern College.



## Office Technology- Associate of Applied Science Degree

This program is designed for students who wish to enter the job market after completing approximately two years of study. The Associate of Applied Science Degree in Office Technology prepares students to assume office support positions or to update or enhance current job skills. Students may utilize their electives to provide an emphasis in medical office careers. Students can use the transcription courses in the program to emphasize either medical office or legal office background. Students pursuing this degree must satisfy all remediation and prerequisite course requirements in addition to the courses listed below. The following sequencing of courses is recommended for full-time students who have completed all prerequisites. Many individuals, especially part-time students and those taking college preparatory courses, will require additional semesters of study. Consult with your advisor each semester to determine an appropriate schedule.

	Credit hours
<b>FALL SEMESTER – 14 credit hours</b>	
PY 13002 Academic & Career Enrichment	2
EN 12003 English Composition I	3
CS 11033 Computer Fundamentals	3
MA14093 Math Apps for Business <b>OR</b> MA 14043 College Algebra	3
OT 11043 Records & Information Management	3

AAS Office Technology			
Minimum Scores Required			
	Math	English	Reading
ACT	15	15	15
COMPASS	(A) 18 (P) 27	49	70

<b>SPRING SEMESTER – 15 credit hours</b>	
EN 12013 English Composition II	3
CS 21003 Spreadsheet Applications	3
BU 11023 Decision Strategies	3
SO 23103 Introduction to Sociology	3
Approved Elective*	3

<b>FALL SEMESTER – 15 credit hours</b>	
OT 21083 Word Processing—Microsoft Word	3
AC 21003 Principles of Accounting I	3
BU 11013 Legal Environment of Business	3
OT 21003 Business Communications	3
Approved Elective*	3

<b>SPRING SEMESTER -16 credit hours</b>	
OT 21033 Office Procedures	3
OT 21013 Advanced Keyboarding	3
CE 21013 Internship	3
CE 21041 Career Management	1
Approved Elective*	3
Approved Elective*	3

**TOTAL DEGREE CREDIT HOURS 60**

<b>Curriculum Summary</b>	
General Education Requirements	15
Institutional Requirements	2
Business Core Requirements	15
Major Requirements	16
Approved Electives	12
<b>Total Degree Credit Hours</b>	<b>60</b>

\*Approved Electives: Choose 3 from the following list.

OT 11003 Beginning Keyboarding**	3
OT 11073 Data Entry Applications	3
OT 21093 Medical Terminology For Transcription	3
OT 21043 Machine Transcription	3
OT 21103 Human Disease for Transcription	3
OT 21113 Legal Aspects of Medical Office	3
OT 21133 Legal Terminology for Transcription	3
OT 21143 Introduction to Coding	3
OT 21153 Advanced Medical Transcription	3
AC 21013 Principles of Accounting II	3
AC 21033 Computerized Accounting	3
BU 11003 Introduction to Business	3
CE 11003 Workplace Essentials	3
CS 20193 Database Management	3
MK 21043 Customer Service	3

Notes: \*\*OT 11003 Beginning Keyboarding is required for students who cannot type 30 net words per minute. If required, this course may count as three elective hours and CS 11033 Computer Fundamentals should be taken during the second semester.

*Students must earn a "C" or better in English Composition I, English Composition II, and the math requirement to receive an Associate in Applied Science Degree from Arkansas Northeastern College.*

A cumulative grade point average of 2.0 is required in the following courses: AC 21003 Principles of Accounting I, BU 11013 Legal Environment of Business, BU 11023 Decision Strategies, CS 21003 Spreadsheet Applications, and OT 21003 Business Communications.



## Clerical Support - Certificate of Proficiency Program

The certificate of proficiency in Clerical Support provides students with the essential clerical skills necessary for entry-level general office support positions, such as receptionists, file clerks, general office clerks, and data entry clerks. Students develop basic skills required to work efficiently, productively, and successfully in the modern business office. Courses in this program may be applied to the Associate of Applied Science Degree in Office Technology.

	Credit Hours
<b>FALL SEMESTER – 9 credit hours</b>	
OT 11003 Beginning Keyboarding	3
OT 11043 Records & Information Management	3
CE 11003 Workplace Essentials	3
<b>SPRING SEMESTER – 7 credit hours</b>	
OT 11073 Data Entry Applications	3
CS 11033 Computer Fundamentals*	3
OT 11061 The Total Office	1
<b>TOTAL CERTIFICATE CREDIT HOURS</b>	<b>16</b>

<b>CP Clerical Support</b>			
<b>Minimum Scores Required</b>			
	Math	English	Reading
ACT	13	13	13
COMPASS	(A) 15 (P) 17	33	61

\*Computer Fundamentals requires a demonstrated keyboarding speed of 30 net words per minute.

**Note:** Students must earn a "C" or better in each required course in order to receive a certificate of proficiency from Arkansas Northeastern College.

## Medical Transcription- Certificate of Proficiency

The certificate of proficiency in Medical Transcription prepares students for careers involving the transcription of verbal data in the healthcare industry. This certificate program emphasizes the importance of accuracy, organization, and professionalism. Careers in medical transcription may involve working in a healthcare facility, doctor's office, or independently out of one's home. Successful completion of this certificate requires a grade of C or better in each prescribed course.

	Credit Hours
<b>FALL SEMESTER – 9 credit hours</b>	
OT 11003 Beginning Keyboarding <b>OR</b>	
OT 21083 Word Processing-MS Word*	3
OT 21093 Medical Terminology for Transcription	3
OT 21103 Human Disease for Transcription	3
<b>SPRING SEMESTER – 9 credit hours</b>	
OT 21043 Machine Transcription**	3
OT 21113 Legal Aspects of the Medical Office**	3
OT 21153 Advanced Medical Transcription	3
<b>TOTAL CERTIFICATE CREDIT HOURS</b>	<b>18</b>

<b>CP Medical Transcription Minimum Scores Required</b>			
	Math	English	Reading
ACT	13	15	15
COMPASS	(A) 15 (P) 17	49	70

\*Word Processing requires a demonstrated keyboarding speed of 30 net words per minute.

\*\*Please Note: OT 21093 and OT 21103 must be completed prior to enrolling in OT 21043 and OT 21153.

**Note:** Students must earn a "C" or better in each required course in order to receive a certificate of proficiency from Arkansas Northeastern College.

## Team Leadership – Technical Certificate

The Team Leadership Technical Certificate is designed for individuals seeking to enhance their leadership and management skills. This program assists new, aspiring, or experienced leaders in developing skills that will help them maximize individual and team performance. It provides a foundation in core business concepts and includes courses designed to improve the decision making, problem solving, and interpersonal communication abilities of the student. Competencies needed to build and lead productive teams are emphasized. All courses in the Team Leadership Technical Certificate may be applied toward the Associate of Applied Science in Business Management.

Students pursuing this technical certificate must satisfy all assessment, remediation, and prerequisite course requirements in addition to the courses listed below. The following sequencing of courses is recommended for full-time students who have completed all prerequisites. Many individuals, especially part-time students and those taking college preparatory courses will require additional semesters of study. Consult with your advisor each semester to determine an appropriate schedule.

### FALL SEMESTER – 14 credit hours

PY 13002 Academic & Career Enrichment	2
EN 12003 English Composition I	3
MA 14093 Math Apps for Business	3
CS 11033 Computer Fundamentals	3
BU 11003 Introduction to Business	3

### SPRING SEMESTER – 16 credit hours

BU 11023 Decision Strategies	3
MK 21043 Customer Service	3
MG 21003 Principles of Supervision	3
MG 21063 Principles of Leadership	3
MG 21073 Teamwork and Team Building	3
CE 21041 Career Management	1

**TOTAL DEGREE CREDIT HOURS 30**

TC Team Leadership Minimum Scores Required			
	Math	English	Reading
ACT	15	15	15
COMPASS	(A) 18 (P) 27	49	70

### Curriculum Summary:

General Education Requirements	6
Institutional Requirements	2
Major Requirements	22

**Total Degree Credit Hours 30**

*Note: Students must earn a "C" or better in each required course in order to receive a technical certificate from Arkansas Northeastern College.*

## Early Childhood Department

### Early Childhood Education- Associate of Applied Science Degree (prior to Sept 11, 2015)

This two-year Associate of Applied Science Degree program in Early Childhood Education is designed to provide training to students employed or interested in being employed in the child-care profession or public school instructional assistance. Students will complete a minimum of sixty hours of college credit courses which will educate, train, and provide field experience in early childhood education. The goal of the program is to provide instruction in the basic competencies of early childhood education.

#### General Education Core (complete all)      Credit Hours

EN 12003	English Composition	3
EN 12013	English Composition II	3
PY 23003	General Psychology	3

#### Math Requirement (one of the following):      3

MA 14073	Math Apps for Technical Programs	OR
MA 14043	College Algebra	

#### Humanities Requirement (one of the following):      3

SP 12103	Introduction to Communications
AR 22003	Art Appreciation
MU 22003	Music Appreciation
SP 22063	Human Relations

#### Institutional Requirements (complete all):

PE17112	Fitness for Life	2
PY 13002	Academic and Career Enrichment	2

#### Early Childhood Dev. Core Requirements (complete all)

ED 23013	Survey of Early Childhood Education	3
ED 23053	Child Development	3
ED 13103	Environment for the Young Child	3
ED 13152	Advanced Field Experience	2

#### Early Childhood Education Core Requirements (complete all)

ED 13013	Curriculum & Materials for Preschool (Fall)	3
ED 13053	Curriculum & Materials for Infant/Toddler (Spring)	3
ED 13043	Child Guidance (Spring)	3
ED 13123	Childcare Practicum & Orientation	3
ED 13143	Literacy & Language Arts for Early Childhood (Fall)	3
ED 13163	Math & Science for Early Childhood (Spring)	3
ED 23103	Intro to Education Technology	3
ED 13173	Future Perspectives in Early Childhood	3

#### Additional Electives (two of the following)      6

ED 13023	Health/Safety/Nutrition (Spring)
ED 13063	Program Planning and Management (Fall)
ED 23033	Survey of Exceptional Children (Spring)

**Total Degree Credit Hours      60**

AAS Early Childhood Minimum Scores Required			
	Math	English	Reading
ACT	15	15	15
COMPASS	(A) 18 (P) 27	49	70

#### Curriculum Summary:

General Education Requirements	13
Institutional Requirements	6
Major Requirements	35
Approved Electives	6
<b>Total Degree Credit Hours</b>	<b>60</b>

**Note:** Students must earn a "C" or better in English Composition I, English Composition II, and the math requirement to receive an Associate in Applied Science Degree from Arkansas Northeastern College.

**Early Childhood Education - Associate In Applied Science Degree** (adopted Sept 11, 2015)

**\_\_\_ General Education Core (complete all)**

- \_\_\_ EN12003 English Composition I
- \_\_\_ EN12013 English Composition II
- \_\_\_ PY23003 General Psychology
- \_\_\_ PE17112 Fitness for Life
- \_\_\_ PY13002 Academic and Career Enrichment

<b>AAS Early Childhood Minimum Scores Required</b>			
	Math	English	Reading
ACT	15	15	15
COMPASS	(A) 18 (P) 27	49	70

**\_\_\_ Math Requirement (one of the following):**

- \_\_\_ MA14073 Math Applications for Technical Programs or MA14043 College Algebra

**\_\_\_ Humanities Requirement (one of the following):**

- \_\_\_ SP12103 Introduction to Communications
- \_\_\_ AR22003 Art Appreciation
- \_\_\_ MU22003 Music Appreciation
- \_\_\_ SP22063 Human Relations

**\_\_\_ Early Childhood Developmental Core Requirements (complete all)**

- \_\_\_ ED23013 Survey of Early Childhood Education
- \_\_\_ ED23133 Child Growth and Learning
- \_\_\_ ED13103 Environment for the Young Child
- \_\_\_ ED13153 Advanced Field Experience

**\_\_\_ Early Childhood Education Core Requirements (complete all)**

- \_\_\_ ED13013 Preschool Curriculum
- \_\_\_ ED13053 Infant/Toddler Curriculum
- \_\_\_ ED13043 Child Guidance
- \_\_\_ ED13123 Childcare Practicum
- \_\_\_ ED13143 Literacy and Language Arts for Early Childhood
- \_\_\_ ED13163 Math and Science for Early Childhood
- \_\_\_ ED23103 Intro to Education Technology
- \_\_\_ ED13173 Future Perspectives in Early Childhood

**\_\_\_ Additional Electives (two of the following)**

- \_\_\_ ED13023 Health/Safety/Nutrition
- \_\_\_ ED13063 Program Planning and Management
- \_\_\_ ED23033 Survey of Exceptional Children

**TOTAL: 61 Hours**

**Note:** Students must earn a "C" or better in *English Composition I*, *English Composition II*, and the math requirement to receive an Associate in Applied Science Degree from Arkansas Northeastern College.

## Child Development Associate (prior to Sept 11, 2015)

The Certificate of Proficiency in Early Childhood Development contains the basic courses that lay a solid foundation for a person wishing to pursue a career working with young children, birth through pre-kindergarten. This Certificate of Proficiency allows students to partially meet the requirements to apply for the Child Development Associate Credential (CDA). Arkansas Northeastern College only helps prepare the student for the Child Development Associate. The CDA credential is issued by the CDA Council in Washington D.C., after successful completion of the CDA process. Before a student can apply for the CDA credential they must provide documentation that they have worked with young children – ages 6 weeks through prekindergarten for a total of 480 clock hours within the last 3 years, and have completed the 120 hours of coursework training.

Coursework/Training	Credit Hours
ED 13093 Child Growth and Development	3
ED 13103 Environments for Young Children	3
ED 13083 Foundations for Early Childhood Education	3
ED 13152 Advanced Field Experience	2
ED 13111 CDA Essentials	1
<b>Total Certificate Credit Hours</b>	<b>12</b>

CP Child Development Associate Minimum Scores Required			
	Math	English	Reading
ACT	13	13	13
COMPASS	(A) 17 (P)	33	61

## Certificate of Proficiency in Early Childhood (adopted Sept 11, 2015)

The Certificate of Proficiency in Early Childhood contains the foundation courses for a person wishing to pursue a career in early childhood (birth through preschool.) Students will learn about the Child Development Associate (CDA) processes, and the necessary steps they can take to obtain the CDA. **Arkansas Northeastern College does not issue the CDA credential. Only the CDA council in Washington, DC can issue the credential.** Students interested in obtaining the CDA credential should go to the CDA website at [www.cdacouncil.org](http://www.cdacouncil.org) and read all of the requirements.

The following courses provide the training required of the CDA credential:

Coursework/Training	Credit Hours
ED 23133 Child Growth and Learning	3
ED 13103 Environments for Young Children	3
ED 23013 Survey of Early Childhood Education	3
ED 13153 Advanced Field Experience	3
<b>Total Certificate Credit Hours</b>	<b>12</b>

CP Child Development Associate Minimum Scores Required			
	Math	English	Reading
ACT	13	13	13
COMPASS	(A) 17 (P)	33	61

*ED 23133: Child Growth and learning may be substituted for ED 13093*

*ED 23053: Survey of Early Childhood Education may be substituted for ED 13083*

## Other Requirements

- Students must earn grade of “C” or better in each training course.
- All students will have a child maltreatment background check, and a criminal background check before field placement begins (all background checks must be clear.)
- There may be fees beyond ANC’s tuition and fees that are the responsibility of the student



## **Division of Nursing, Allied Health and Health, Physical Education and Recreation (HPER)**

### ***Nursing and Allied Health Programs***

The healthcare industry is one of the fastest growing employment sectors in the United States. Arkansas Northeastern College is proud to offer excellent nursing and allied health programs that prepare students to enter the high demand industry of healthcare. The Nursing and Allied Health programs, located in the state-of-the-art Angela Wren Nursing and Allied Health Center, provide degree and certificate programs designed to prepare students for a career in a specific healthcare occupation. Program completion time ranges anywhere from eight weeks to two academic years.

Programs administered by ANC's Nursing and Allied Health Departments include:

#### **Associate in Applied Science**

- Nursing

#### **Technical Certificates**

- Dental Assisting Technology
- Paramedic
- Patient Care Technology
- Practical Nursing

#### **Certificates of Proficiency**

- Emergency Medical Technician
- Nursing Assistant
- Patient Care Technology
- Phlebotomy Technician

### ***Health, Physical Education and Recreation (HPER)***

Arkansas Northeastern College is committed to developing activities and programs that promote and sustain health and wellness through the years. The Department of Health, Physical Education and Recreation (HPER) located in the Briggs/Sebaugh Wellness Center, offers credit courses such as Fitness for Life, Individual Wellness Activities and Step-Bench Aerobics scheduled each academic semester. (Refer to course descriptions).

Students enjoy the opportunity to play Intramural sports in flag football, basketball, and volleyball competing with other Community Colleges in the region. Faculty, Staff, Students and Community Members also have the opportunity to participate in various physical fitness and wellness activities along with having access to the Wellness Center Exercise Room, Gym and Walking Track with valid ANC ID.

## Dental Assisting Technology - Technical Certificate Program

The one year certificate in Dental Assisting Technology is designed to train dental assistants with the knowledge to perform the technical duties in all areas of the modern dental office. The Dental Assisting Technology program is based on a science-oriented program of study and skill development offered at the post-secondary level that requires critical thinking, psychomotor skills, and ethical reasoning. The program consists of formal training needed to assist the dentist in the dental operator, the laboratory, and the dental business office. Upon successful program completion, students are eligible to sit for the Dental Assisting National Board certification and to apply for registration with the Arkansas State Board of Dental Examiners. The program is accredited by the Commission on Dental Accreditation of the American Dental Association. Students must provide recent COMPASS/ASSET/ACT scores that meet the minimum required skill level. All recommended Academic Strengthening (College Prep) courses must be completed prior to admission into the program. Students wishing to enter this program should discuss their career objectives with an advisor to ensure this is the appropriate track for them.

Program applicants must be 18 years old and have a high school diploma or have earned a GED. Students are admitted in the Dental Assisting Program based on selective admission criteria. Refer to Dental Assisting Information Guidelines located on the ANC Allied Health Website.

This program of study includes special program fees beyond current tuition and college fees.

### Requirements

#### Fall Semester – 17 credit hours

DA 19003 Chairside Assisting I	3
DA 19011 Dental Science	1
DA 19022 Dental Biomedical Science	2
DA 19033 Dental Materials I	3
DA 19042 Dental Clinical Science I	2
DA 19052 Dental Radiology I	2
DA 19061 Preventive Dentistry	1
EN 10013 Technical Communications <b>OR</b>	
EN 12003 English Composition I	3

### Credit Hours

TC Dental Assisting Minimum Scores Required			
	Math	English	Reading
ACT	14	14	14
COMPASS	(A) 17 (P) 21	39	64

#### Spring Semester – 15 credit hours

DA 19073 Chairside Assisting II	3
DA 19082 Dental Materials II	2
DA 19093 Dental Clinical Science II	3
DA 19102 Dental Radiology II	2
DA 19112 Dental Clinical Experience I	2
DA 19123 Dental Clinical Experience II	3

#### Summer Semester – 6 credit hours

DA 19136 Dental Clinical Experience III	6
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#### Total Program Credit Hours

**38**

For more information about ANC graduation rates, the median debt of students who completed the program, and other important information, please visit the ANC website at: <http://www.anc.edu/gainfulemployment/index.htm>

## Emergency Medical Technician (EMT)- Certificate of Proficiency Program

The Emergency Medical Technician Program provides training to recognize, assess, and manage medical emergencies of acutely ill or injured patients in a pre-hospital care setting. Students are required to participate in a field internship, 48 hours in the emergency room and 24 hours at an ambulance service. The course content covers anatomy and physiology, initial patient survey and triage, airway management, oxygen therapy, and treatment of bleeding, shock, cardiac arrest, fractures, spinal injuries and other medical emergencies. Additional areas of study include automated external defibrillation, multi-lumen airways and general pharmacology. The course is designed for anyone interested in working in public safety, including fire, police and ambulance operations. Students who successfully complete this program are eligible to take the National Registry Examination. Students must complete the course with a grade of "C" or better.

### Course Requirements:

EM 18008 Emergency Medical Technician

### Credit Hours

8

### Program Admission Requirements:

Admission to the Arkansas Northeastern College EMT Program is selective. In order to be considered for admission to the program, applicants must meet the following minimum criteria:

- Must be 18 years of age prior to sitting for the certification exam.
- Be a high school graduate, have a GED, or be within one semester of graduating high school.
- Complete the Basic EMT Application Packet.
- Earn acceptable ACT/COMPASS scores (used as selection criteria).
- Must be able to lift, move and perform practical skills.
- Complete ANC application and EMT program admission application.
- Attend mandatory orientation.
- Refer to EMT Information Guidelines for additional admission information and application process.

<b>CP EMT Minimum Scores Required</b>			
	Math	English	Reading
ACT	11	11	13
COMPASS	(A) 17 (P) 21	19	61

## Nursing - Associate of Applied Science Degree

Arkansas Northeastern College offers an Associate in Applied Science Degree in Nursing. The registered nursing program is approved by the Arkansas State Board of Nursing. One traditional class is admitted annually in the fall semester with the LPN to RN Students accepted into the program joining the class in January of the Spring Semester each year. Throughout the program, general education courses and nursing courses are combined with client care in clinical settings in hospitals and health care agencies in the area. The nursing courses integrate application of the nursing process, communication skills, nutrition, pharmacology, and drug administration in care of clients. Legal/ethical responsibilities and current trends in health care are also integrated. The nursing courses are competency-based, and students are responsible for achieving certain competencies under specified conditions.

*Students will be required to complete standardized tests throughout the nursing curriculum and to earn acceptable scores on such examinations to progress through curriculum. In the last semester of the nursing curriculum, students will be required to earn a satisfactory score on a comprehensive exam.* Upon successful completion of the program, the student is granted the Associate in Applied Science Degree and may be eligible to take the National Council Licensure Examination for licensure as a Registered Nurse. Persons convicted of a crime may not be eligible to take the NCLEX-RN for licensure. See the program director for details.

Admission to Arkansas Northeastern College is not automatic admission to the nursing program. Traditional Students and LPN to RN students must score 100 or greater on the PAX-RN Exam, have a minimum grade point average of 2.0 and successfully complete all pre-requisite courses to meet minimal admission requirements. A grade of "C" or above is required in all academic courses required for the nursing degree. The Nursing Department has a selective admission policy and criteria. Students are referred to the Associate Degree Nursing Information Guidelines or should contact the Nursing and Allied Health Advising Specialist concerning admission, selection criteria, and graduation requirements.

### Associate Degree Requirements Prerequisites (Traditional Students & LPN to RN Students) Credit Hours

MA 14023 Mathematical Applications for Allied Health OR	
MA 14043 College Algebra	3
PY 23003 General Psychology	3
EN 12003 English Composition I	3
BI 24003 Anatomy & Physiology I	3
BI 24011 Anatomy & Physiology I Lab	1
<b>Prerequisites (LPN to RN Students only)</b>	
* NU 16063 LPN/RN Transition in Nursing	3
<b>General Education Courses:</b>	
BI 24023 Anatomy & Physiology II	3
BI 24031 Anatomy & Physiology II Lab	1
PY 23023 Developmental Psychology	3
EN 12013 English Composition II	3
CS 11033 Computer Fundamentals/Applications	3
BI 24043 Microbiology	3
BI 24051 Microbiology Lab	1
<b>Nursing Courses: (Progressive and must be taken in sequence)</b>	
NU 16008 Fundamentals of Nursing (1 <sup>st</sup> Semester)	8
NU 16045 Medical Surgical Nursing (2 <sup>nd</sup> Semester)	5
NU 16014 Psychiatric Nursing (2 <sup>nd</sup> Semester)	4
NU 26034 Maternal Nursing (3 <sup>rd</sup> Semester)	4
NU 26004 Pediatric Nursing (3 <sup>rd</sup> Semester)	4
NU 26035 Advanced Adult Medical Surgical I (4 <sup>th</sup> Semester)	5
NU 26045 Advanced Adult Medical Surgical II (4 <sup>th</sup> Semester)	5
NU 26022 Nursing Leadership & NCLEX Review (4 <sup>th</sup> Semester)	2

\* Prerequisite Course offered to articulating LPN students only (8 credit hours held in escrow until graduation). LPN students not graduating from an LPN school in Arkansas must have graduated from an accredited PN School or complete the NLN-NACE-I Exam prior to admission.

## Associate Degree Nursing Curriculum Plan

Prerequisites: As noted on the previous page.

### FIRST YEAR

Fall Semester	Credit Hours
NU 16008 Fundamentals of Nursing	8
<b>OR</b> * NU 16063 LPN/RN Transition in Nursing (LPN's only)	3
CS 11033 Computer Fundamentals	3
BI 24023 Anatomy & Physiology II	3
BI 24031 Anatomy & Physiology II Lab	1
<b>Total Credit Hours</b>	<b>15</b>

### Spring Semester

NU 16045 Medical Surgical Nursing	5
NU 16014 Psychiatric Nursing	4
EN 12013 English Composition II	3
PY 23023 Developmental Psychology	3
<b>Total Credit Hours:</b>	<b>15</b>

### SECOND YEAR

Fall Semester	Credit Hours
NU 26034 Maternal Nursing	4
NU 26004 Pediatric Nursing	4
BI 24043 Microbiology	3
BI 24051 Microbiology Lab	1
<b>Total Credit Hours</b>	<b>12</b>

### Spring Semester

NU 26035 Advanced Adult Medical Surgical Nursing I	5
NU 26045 Advanced Adult Medical Surgical Nursing II	5
NU 26022 Nursing Leadership & NCLEX Review	2
<b>Total Credit hours:</b>	<b>12</b>

### Curriculum Summary:

General Education Requirements:	30
Nursing:	37
<b>Total Credit Hours (including prerequisites):</b>	<b>67</b>

\* NU 16063 LPN/RN Transition in Nursing (8 credit hours held in escrow until graduation).

**Associate Degree Nursing LPN to RN Students:** must meet all selection/admission criteria to include completion of prerequisite courses prior to admission into the Nursing Program in the Spring each year.

Persons convicted of a crime may be ineligible to take the NCLEX-RN test for licensure.

AAS Nursing Minimum Scores Required			
	Math	English	Reading
ACT	15	19	19
COMPASS	(A) 18 (P) 27	80	83

## **Nursing Assistant (CNA)- Certificate of Proficiency Program**

Successful completion of the Nursing Assistant program qualifies students to work as nursing assistants in hospitals, long term care facilities, rest homes or convalescent homes. The Nursing Assistant Competency Exam offered through the Office of Long Term Care provides opportunity for those successfully completing the NA program to become a Certified Nursing Assistant (CNA). Students must also complete a medical terminology course as part of the Nursing Assistant curriculum. This course provides structural analysis, suffixes, pronunciation, pluralization, and spelling of medical terms. Students must complete the both courses with a grade of "C" or better. Refer to Nursing Assistant Information Guidelines located in the ANC Allied Health Website for additional information.

Admission to the Nursing Assistant Program is selective. Applicants must meet the following minimal criteria:

- Be at least 18 years of age.
- High School graduate or GED certificate.
- Complete ANC admission application and NA Program application process.
- Attend mandatory orientation for NA.
- Meet minimal admission scores as noted below:

<b>CP Nursing Assistant Minimum Scores Required</b>			
	Math	English	Reading
ACT	11	11	13
COMPASS	(A) 17 (P) 21	19	61

## Paramedic- Technical Certificate Program

The 12 month Paramedic Technical Certificate Program provides education and training to EMT's in advanced pre-hospital care. This program meets the requirements of the Arkansas Department of Health, Section of Emergency Medical Services and is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). The program combines hybrid courses (classroom and on-line), didactic, clinical and field experiences to provide the Paramedic student with the diversity of knowledge necessary to function effectively as a professional provider of advanced life support outside of the hospital environment. Students wishing to apply to the Paramedic Program should discuss their career objectives with the Nursing and Allied Health Advisor to ensure this is the appropriate program to meet their career goals.

Course Requirements for the Paramedic Technical Certificate Program:

### Spring Semester

### Credit Hours

AH 16093 Introduction to Anatomy & Physiology 3  
 EM 18017 Preparatory for Paramedics 7  
 EM 18046 Medical Emergencies for Paramedics I with Lab 6

### Summer Semesters I & II

EM 18054 Medical Emergencies for Paramedics II with Lab 4  
 EM 18063 Medical Emergencies Clinical 3  
 EM 18074 Trauma for Paramedics with Lab 4  
 EM 18103 Special Consideration for Paramedic with Lab 3

### Fall Semester

EM 18124 Paramedic Operations Management with Lab 4  
 EM 18132 Paramedic Clinical I 2  
 EM 18092 Paramedic Clinical II 2  
 EM 18146 Field Internship 6

**Total Program Credit Hours:**

**44**

TC Paramedic Minimum Scores Required			
	Math	English	Reading
ACT	15	14	14
COMPASS	(A) 18 (P) 27	39	64

### Program Admission Requirements:

Admission to the Arkansas Northeastern College Paramedic Program is selective. In order to be considered for admission applicants must meet the following minimum criteria:

- Be a minimum of 18 years of age.
- Be a high school graduate or completed GED certificate.
- Successful completion of approved DOT Basic EMT course with current state/national certification at the EMT-B level.
- Current CPR certification (AHA Healthcare Provider).
- Must meet minimal acceptance scores on COMPASS (taken within the last calendar year).
- Complete ANC application and Paramedic Program application packet.
- Refer to Paramedic Information Guidelines located on the ANC Allied Health webs page for additional admission requirements and program application.

*For more information about ANC graduation rates, the median debt of students who completed the program, and other important information, please visit the ANC website at: <http://www.anc.edu/gainfulemployment/index.htm>*

## Patient Care Technology - Certificate of Proficiency Program

The Patient Care Technology (PCT) Program is designed to provide education and training to individuals interested in a technical career in healthcare. Students in the proposed Certificate of Proficiency (CP) will be provided the opportunity to complete the required courses in one semester. Skills in basic nursing, venipuncture, specimen collection, performing ECG's and identifying rhythm strips will provide students the knowledge and clinical skills required to pursue a position in a variety of healthcare settings such as hospitals, long-term care facilities, medical offices and labs. PCT's are part of the healthcare team and are qualified to work under the supervision of licensed professional personnel and alongside other healthcare providers. The CP in PCT is pending approval from the ADHE.

<b>Course Requirements:</b>	<b>Credit Hours</b>
AH 16076 Nursing Assistant	6
AH 16011 Medical Terminology <b>OR</b>	1
OT 21093 Medical Terminology for Transcription	(3)
AH 16006 Phlebotomy	6
AH 16053 Introduction to ECG and Rhythm Strip Monitoring	3
<b>Total Credit Hours</b>	<b>16-18</b>

### Program Admission Criteria

Admission to the Arkansas Northeastern College PCT Program is selective. In order to be considered for admission to the program, applicants must meet the following minimum criteria:

- Be at least 18 years of age.
- High School graduate or GED certificate.
- Complete ANC admission application and PCT Program application process.
- Attend mandatory orientation for PCT.
- Complete the PCT Application & Statement of Responsibility located in the PCT Information Guidelines.
- Have a cumulative 2.0 minimum grade point average on previous college courses.
- Recent COMPASS scores (taken within the last year) which meet the minimum skill level. COMPASS scores will be used as selection criteria. Any recommended developmental course must be completed prior to entering the Patient Care Technology Program.
- Refer to Information Guidelines for detailed admission and selection criteria

<b>CP Patient Care Technology Minimum Scores Required</b>			
	Math	English	Reading
ACT	11	11	13
COMPASS	(A) 17 (P) 21	19	61



## Patient Care Technology- Technical Certificate Program

The Patient Care Technology (PCT) Program is designed to provide education and training to individuals interested in a technical career in healthcare. Students in the PCT Program will gain the knowledge, clinical skills and work habits required to pursue a position in a variety of healthcare settings such as hospitals, long-term care facilities, medical offices and labs. PCT's are part of the healthcare team and are qualified to work under the supervision of licensed professional personnel and alongside other healthcare providers. The role of the PCT includes duties traditionally performed by staff from several different departments such as nursing, phlebotomy, EKG and respiratory. There is a need for cross-trained healthcare workers in all types of healthcare facilities.

Requirements:	Credit Hours
NA 16006 Nursing Assistant	6
AH 16001 Medical Terminology <b>OR</b>	(1)
OT 21093 Medical Terminology for Transcription	(3)
AH 16006 Phlebotomy	6
*AH-16093 Introduction to Anatomy & Physiology <b>OR</b>	3
AH 16084 Body Structure and Function <b>OR</b>	(4)
BI 24003/BI 24011 Anatomy Physiology I with Lab <b>AND</b>	(4)
BI 24023/BI 24031 Anatomy & Physiology II with Lab	(4)
AH 16053 Introduction to ECG and Rhythm Strip Monitoring	3
AH 16044 Patient Medical Record & Clerical Principles	4
AH 16064 **Patient Care Technician (Advanced Concepts & Skills)	4
AH 16023 **Patient Care Technician Practicum	3
<b>Total Credit Hours</b>	<b>30-37</b>

TC Patient Care Technology Minimum Scores Required			
	Math	English	Reading
ACT	14	14	14
COMPASS	(A) 17 (P) 21	39	64

*\*\*Capstone Courses: All other courses above are prerequisites. Both courses are co-requisite courses and must be taken together.*

*\* Students may substitute both Anatomy and Physiology I & II with Labs (8 credit hours) or Body Structure and Function (4 credit hours) for the required Introduction to Anatomy & Physiology (3 credit hours).*

### Program Admission Criteria

Admission to the Arkansas Northeastern College PCT Program is selective. In order to be considered for admission to the program, applicants must meet the following minimum criteria:

- Be at least 18 years of age.
- High School graduate or GED certificate.
- Complete ANC admission application and PCT Program application process.
- Attend mandatory orientation for PCT.
- Complete the PCT Application & Statement of Responsibility located in the PCT Information Guidelines.
- Have a cumulative 2.0 minimum grade point average on previous college courses.
- Recent COMPASS scores (taken within the last year) which meet the minimum skill level. COMPASS scores will be used as selection criteria. Any recommended developmental course must be completed prior to entering the Patient Care Technology Program.
- Refer to Information Guidelines for detailed admission and selection criteria

*For more information about ANC graduation rates, the median debt of students who completed the program, and other important information, please visit the ANC website at: <http://www.anc.edu/gainfulemployment/index.htm>*

## Phlebotomy Technician- Certificate of Proficiency Program

The Phlebotomy Technician course prepares students for entry level competencies as phlebotomists in hospitals, clinics, blood donor centers, and other health care settings. Students develop skills in performing phlebotomy procedures, specimen collection and processing using proper techniques and universal precautions. The program is also designed to assist students in enhancing their critical thinking abilities and their interpersonal skills. The program includes 58 hours of theory classroom instruction and clinical laboratory experience on campus, with practice arms and tutorials. During the 120 hour Clinical practicum, students work in healthcare settings under the supervision of professional Medical Technologists and/or Phlebotomists to obtain practical, hands-on experience. The Phlebotomy Certificate Program is a one semester or 16 week course. Students successfully completing the course with a C or better are awarded a certificate proficiency in Phlebotomy.

Course Requirements	Credit Hours
AH 16006 Phlebotomy Technician	6
AH 16011 Medical Terminology	1 <b>OR</b>
OT 21093 Medical Terminology for Transcription	3
<b>Total Credit Hours</b>	<b>7/9</b>

<b>TC Phlebotomy</b>			
<b>Minimum Scores Required</b>			
	Math	English	Reading
ACT	11	11	13
COMPASS	(A) 17 (P) 21	19	61

### Program Admission Requirements:

Admission to the Arkansas Northeastern College Phlebotomy Program is selective. In order to be considered for admission to the program, applicant must meet the following minimum criteria:

- Must be a minimum of 18 years of age.
- Be a high school graduate or completed the GED certificate.
- Earn acceptable scores on the COMPASS (used as admission selection criteria).
- Complete the ANC and Phlebotomy admission application forms.

Refer to Phlebotomy Information Guidelines located on the ANC Allied Health Web page for additional admission criteria and program application for admission.

## **Physical Fitness & Recreation**

Arkansas Northeastern offers credit courses in Physical Education. Primary courses scheduled are:

PE 17112 Fitness for Life

PE 17141 Step Bench Aerobics (Activity Course)

PE 17191 Individualized Wellness Activities (Activity Course)

NOTE: Physical education activity courses are taught as individualized courses. As such, it is possible to repeat these activity courses to advance skills; however, no more than two credits may be earned by repeated enrollment in any one activity course. A maximum of four hours of physical education activity hours will count toward graduation. The two-hour physical education activity requirement may be petitioned if the experience and/or physical restrictions warrant a waiver.

The College is committed to developing activities and programs that promote and sustain health and wellness through the years. The Briggs/Sebaugh Wellness Center provides opportunities for physical fitness (exercise room, gym, walking track) and intramural activities in flag football, basketball, and volleyball. The newly constructed Sun Room Student Activities Center provides games and recreational activities promoting student educational, social and emotional growth through informal interaction.

Note: A current ANC picture ID is required for entrance and use of both the ANC Wellness Center and the Sun Room Student Activity Center.

## Practical Nursing- Technical Certificate Program

The technical certificate in Practical Nursing (PN) is a ten and one-half (10.5) month program approved by the Arkansas State Board of Nursing and prepares individuals for the practice of Licensed Practical Nursing. This program integrates clinical experience with classroom theory. Students obtain clinical experience in acute care hospitals, long-term care facilities, doctor's offices, and public schools, etc. The PN Program is offered at the ANC Main Campus, Blytheville and Paragould Center each year beginning in August. Students wishing to enter this program should discuss their career objectives with an advisor to ensure this is the appropriate program for them. The Practical Nursing Program has selective admission criteria. Students must score a 100 or greater on the PAX- PN Exam and have a minimal grade point average of 2.0 on all college or prerequisite courses. A grade of "C" or above is required in all academic courses required for the Technical Certificate in Practical Nursing. Refer to the Practical Nursing Information Guidelines located on the ANC Allied Health website for additional information and admission process.

### Prerequisites:

MA 14023 Mathematical Applications for Allied Health	OR	MA 14043 College Algebra	3
AH 16084 Body Structure & Function	OR		(4)
BI 24003/24011 Anatomy & Physiology I with Lab	AND	BI 24023/24031 Anatomy & Physiology II with Lab	(8)

### Credit Hours

**Requirements: (All cohort courses are progressive and must be taken in sequence)**

### Fall Semester

PN 16051 Care of the Geriatric Patient	1
PN 16161 Nutrition I	1
PN 16025 Basic Nursing Principles and Skills I	5
PN 16035 Basic Nursing Principles and Skills II	5
PN 16042 Pharmacology I	2
PN 16072 Nursing of Children	2
PN 16085 Practical Nursing Clinical I	5
<b>Total Credit Hours</b>	<b>21</b>

TC Practical Nursing Minimum Scores Required			
	Math	English	Reading
ACT	15	15	15
COMPASS	(A) 18 (P) 27	49	70

### Spring Semester

PN 16092 Nursing of Mothers and Infants	2
PN 16103 Pharmacology II	3
PN 16185 Medical/Surgical Nursing I	5
PN 16195 Medical/Surgical Nursing II	5
PN 16126 Practical Nursing Clinical II	6
<b>Total Credit Hours</b>	<b>21</b>

### Summer I Semester

PN 16152 Practical Nursing Clinical III	2
PN 16203 Leadership and Management	3
<b>Total Credit Hours</b>	<b>5</b>

**Total Program Credit Hours** **54**

*For more information about ANC graduation rates, the median debt of students who completed the program, and other important information, please visit the ANC website at: <http://www.anc.edu/gainfulemployment/index.htm>*

## **Workforce Training Division**

The Solutions Group, a professional support division of Arkansas Northeastern College, provides customized training and consulting to help businesses and industries keep pace with changes in technology and the workforce. The Solutions Group offers non-credit courses and courses for credit, which may be applied to certain associate degrees. State-of-the-art industrial, management, and computer technologies are made available in ways that are both convenient and cost-effective. Like the clients served by the Solutions Group, the training and courses offered are customer driven. The Solutions Group identifies and develops responses to the training needs of the service district. Customized training programs are developed by the professional staff to meet the changing needs of business and industry. Open seminars and workshops are presented in conjunction with cosponsoring institutions.

Customized programs are regularly offered to local industries by the Solutions Group which is a subsidiary of the college. If an employer or business has special needs for education or workforce training, the college is ready to assist. Customized training delivered through The Solutions Group include subject areas such as management, supervision, quality/productivity, electrical and mechanical systems, computer software, health and safety, and many other topics. New courses and programs can be developed to assist businesses and industries. For more information, call 870-838-2934.

The Solutions Group is located in the Harry L. Crisp Center on East Main Street in the Blytheville Industrial Park and serves the entire region. The College's economic development and industrial training activities are headquartered at this location. Training, business counseling, and other economic development activities are pursued through the Solutions Group endeavors. The Solutions Group mission statement includes expansion of higher education opportunities, as well as recruitment and retention of businesses and industries.

In addition to customized training, The Solutions Group offers associate degrees and certificates that are designed to meet the needs of targeted industries. Programs administered by The Solutions Group include:

### **Associate in Applied Science**

- Advanced Manufacturing
- Aviation Maintenance
- General Technology
  - Air Conditioning and Refrigeration Option
  - Welding Option
- Steel Industry Technology

### **Technical Certificates**

- Air Conditioning and Refrigeration
- Aviation Maintenance
- Welding

### **Certificates of Proficiency**

- Advanced Manufacturing
- Air Conditioning and Refrigeration
- Construction Technology
- General Aviation
- General Industrial Technology
- Industrial Electrical Systems
- Welding

More detailed information about each of ANC's career and technical education programs can be found on the following pages.

## Advanced Manufacturing - Associate in Applied Science Degree

This program is designed for students who wish to pursue careers in automotive-related and other advanced manufacturing companies. The AAS in Advanced Manufacturing provides students with a comprehensive knowledge of advanced manufacturing production processes, equipment, design, and operation. Given the large manufacturing base in this region and advances in industrial machinery and operations, persons with technical skills in this discipline are in high demand. Upon attaining work experience, individuals with this degree are better equipped to move into maintenance technician and/or team leader positions.

### General Education Core Requirements :

EN 12003 English Composition I*	3
EN 12013 English Composition II*	3
CS 11033 Computer Fundamentals	3
MA 14113 Math Apps for Manufacturing* <b>OR</b> MA 14043 College Algebra*	3
SP 22063 Human Relations <b>OR</b> SP 12103 Introduction to Speech Communications	3
<b>Total Gen Ed Credit Hours</b>	<b>15</b>

AAS Advanced Manufacturing Minimum Scores Required			
	Math	English	Reading
ACT	15	15	15
COMPASS	(A) 18 (P) 27	49	70

### Division Requirements:

CE 11003 Workplace Essentials	3
EL 15003 Basic Electricity I	3
ES 15003 Industrial Safety Administration	3
ME 15013 Basic Hydraulics/Pneumatics	3
ME 15023 Mechanical Drives and Bearings	3
MG 21003 Principles of Supervision	3
<b>Total Division Credit Hours</b>	<b>18</b>

### Curriculum Summary:

General Education Requirements:	15
Division Requirements:	18
Major Requirements:	18
Approved Electives:	9
<b>Total Degree Credit Hours:</b>	<b>60</b>

### Major Requirements:

MT 15003 Introduction to Manufacturing	3
MT 15013 Design for Manufacturing	3
MT 15023 Manufacturing Production Processes	3
MT 15033 Manufacturing Power and Equipment Systems	3
MT 25003 Manufacturing Materials	3
MT 25023 Manufacturing Equipment Maintenance and Operation	3
<b>Total Major Credit Hours</b>	<b>18</b>

### Approved Electives\*\*

<b>Total Degree Credit Hours</b>	<b>60</b>
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\* Students must make a "C" or better in English Composition I and English Composition II, and one of the required math courses to receive an Associate in Applied Science Degree from ANC.

\*\* Approved electives may also be chosen from courses with the following prefixes: AC, AS, AV, BU, CE, CS, CT, EL, ES, HV, IS, ME, MG, MT, and WE as approved by the Dean for Economic Development. Elective credit for appropriate experiential learning will also be considered.



## Advanced Manufacturing - Certificate of Proficiency Program

The certificate of proficiency in Advanced Manufacturing prepares students for production-oriented jobs in automotive-related and other advanced manufacturing companies. This certificate program introduces students to advanced manufacturing processes and philosophies. Wage scales for entry-level positions in local manufacturing enterprises typically exceed pay rates for entry-level jobs in retail or service industries. Students attending the Arkansas Northeastern College Secondary Center have the opportunity to pursue this curriculum while attending area high schools. Students must earn a grade of “C” or better in each required course.

Required Courses	Credit Hours
MT 15003 Introduction to Manufacturing	3
MT 15023 Manufacturing Production Processes	3
MT 15033 Manufacturing Power & Equipment Systems	3
<b>Total Required Course Credit Hours</b>	<b>9</b>
** Approved Elective	3
<b>Total Certificate Credit Hours</b>	<b>12</b>

\*\*Approved electives may also be chosen from courses with the following prefixes: AC, AS, BU, CE, CS, EL, ES, HV, IS, ME, MG, MT and WE as approved by the Dean For Economic Development. Elective credit for appropriate experiential learning will also be considered.

CP Advanced Manufacturing Minimum Scores Required			
	Math	English	Reading
ACT	13	11	11
COMPASS	(A) 15 (P) 17	19	44





## Air Conditioning and Refrigeration - Technical Certificate Program

The one year certificate in Air Conditioning and Refrigeration is designed to prepare students for careers in this trade. Students will develop and practice skills for servicing, repairing, installing, and sizing air conditioning and refrigeration equipment for residential applications. All candidates for the Technical Certificate in Air Conditioning and Refrigeration will be required to take the HVAC Excellence Environmental Protection Agency Section 608 Certification Exam. Students wishing to enter this program should discuss their career objectives with the HVAC instructor and/or their advisor to ensure this is the appropriate track for them

	Credit Hours
<b>Division Requirements:</b>	
CE 11003 Workplace Essentials	3
<b>Major Requirements:</b>	
HV 17004 Introduction to Air Conditioning	4
HV 17013 Tubing, Pipe, and Welding	3
HV 17024 HVAC Electricity	4
HV 17033 Electrical Components and Motors	3
HV 17043 Schematics	3
HV 17054 Fundamentals of Gas and Electric Heat	4
HV 17073 Residential Systems	3
HV 17063 Airflow Dynamics	3
<b>Total TC Program Credit Hours</b>	<b>30</b>

<b>TC General Technology – AC&amp;R</b>			
<b>Minimum Scores Required</b>			
	Math	English	Reading
ACT	13	11	11
COMPASS	(A) 15 (P) 17	19	44

*\*Students must earn a "C" or better in one of the required math courses to earn their Technical Certificate from ANC.  
<http://www.anc.edu/gainfulemployment/index.htm>*

## Air Conditioning and Refrigeration - Certificate of Proficiency Program

The short-term certificate of proficiency in Air Conditioning and Refrigeration is designed to provide students the skills for an entry level technician position. The CP Program is offered both in the Fall and Spring Semesters. It is the first step in the career ladder for HVAC technicians. Students will learn the basics in HVAC electricity and the fundamentals of HVAC. Additionally, students will receive training in workplace skills to make them more employable.

Requirements if taken in FALL SEMESTER	Credit Hours
CE 11003 Workplace Essentials	3
HV 17024 HVAC Electricity	4
HV 17033 Electrical Components and Motors	3
HV 17043 Schematics	3
HV 17054 Fundamentals of Gas and Electric Heat	4
<b>Total Certificate Hours</b>	<b>16</b>

<b>CP General Technology – AC&amp;R</b>			
<b>Minimum Scores Required</b>			
	Math	English	Reading
ACT	13	11	11
COMPASS	(A) 15 (P) 17	19	44

Requirements if taken in SPRING SEMESTER	Credit Hours
CE 11003 Workplace Essentials	3
HV 17004 Introduction to Air Conditioning	4
HV 17063 Airflow Dynamics	3
HV 17013 Tubing, Piping, Welding	3
HV 17054 Residential Systems	3
<b>Total Certificate Hours</b>	<b>16</b>

For more information about ANC graduation rates, the median debt of students who completed the program, and other important information, please visit the ANC website at: <http://www.anc.edu/gainfulemployment/index.htm>

## Aviation Maintenance

This program is designed for students who intend to pursue careers not only in the aviation maintenance industry, but in other industries utilizing aircraft maintenance skills in hi-tech maintenance programs. The general education components prepare students to pursue baccalaureate studies, and advance to positions of leadership in the industry. Students who successfully complete this program will be eligible to take the Federal Aviation Administration (FAA) certification exams for Airframe and Powerplant (A&P) Mechanics.

This program is approved by the FAA, which requires that every single hour of instruction be given to each student. Because of this requirement and the vital importance of mechanical performance, class attendance is an absolute must to remain in good standing in the program. Failure to attend the classes in accordance with instructor-established guidelines may result in dismissal from the program. The program is divided into four separate segments: general education, general aviation, airframe, and powerplant. The general education core may be taken at any time before, during, or after the other segments are taken, depending on scheduling preferences. The remaining segments are taken sequentially in an intensive combination of lecture and laboratory learning. Students may be required to attend classes as many as 30 clock hours per week. Consult with your advisor each semester to determine an appropriate schedule.

## Aviation Maintenance - Associate of Applied Science Degree

General Education Core:	Credit Hours
EN 12003 English Composition I	3
EN 12013 English Composition II	3
MA 14073 Math Apps for Technical Programs <b>OR</b> MA 14043 College Algebra	3
CS 11033 Computer Fundamentals	3
SP 22063 Human Relations	3
<b>Total Gen Ed Credit Hours</b>	<b>15</b>

General Aviation Requirements:	Credit Hours
AV 15004 Aviation Math & Physics	4
AV 15033 Aircraft Electricity I	3
AV 15143 Aircraft Drawing & Weighing	3
AV 15014 Aircraft Structures I	4
AV 15023 Aviation Fundamentals	3
<b>Total Gen Aviation Credit Hours</b>	<b>17</b>

Airframe Requirements:	Credit Hours
AV 15076 Aircraft Structures II	6
AV 15083 Aircraft Assembly & Rigging	3
AV 15153 Aircraft Welding & Painting	3
AV 15054 Aircraft Electricity II	4
AV 15114 Aircraft Hydraulics & Pneumatics	4
AV 15103 Aircraft Instruments	3
AV 15162 Aircraft Ice & Atmosphere	2
AV 15172 Aircraft Fuel & Fire	2
AV 15183 Airframe Inspection	3
<b>Total Airframe Credit Hours</b>	<b>30</b>

Powerplant Requirements:	Credit Hours
AV 25007 Reciprocating Engines	7
AV 25015 Turbine Engines	5
AV 25074 Powerplant Support Systems	4
AV 25084 Powerplant Electrical Systems	4
AV 25023 Aircraft Lubrication & Cooling	3

AAS Aviation Maintenance Minimum Scores Required			
	Math	English	Reading
ACT	13	11	11
COMPASS	(A) 15 (P) 17	19	44

### Curriculum Summary:

General Education Requirements	15
General Aviation Requirements	17
Airframe Requirements	30
Powerplant Requirements	29

**Total Degree Credit Hours                    91**

AV 25093 Propellers	3
AV 25103 Powerplant Inspection	3
<b>Total Powerplant Credit Hours</b>	<b>29</b>



## General Aviation - Certificate of Proficiency Program

This program is designed for students who desire to enter the aerospace industry, particularly in the field of aviation maintenance. The requirements of this program satisfy the General Aviation eligibility portion for Federal Aviation Administration (FAA) certification exams for Airframe Mechanic or Powerplant Mechanic. Completion of the Airframe and/or Powerplant curricula and program requirements is necessary to be eligible to take FAA certification exams for the Airframe and/or Powerplant ratings. The Certificate of Proficiency program is approved by the FAA, which requires that every single required hour of instruction be given to each student. Because of this requirement and the vital importance of mechanical performance, class attendance is an absolute must to remain in good standing in the program. Failure to attend the classes in accordance with instructor established guidelines will result in dismissal from the program. Coursework is taken sequentially in an intensive combination of lecture and laboratory learning. Students may be required to attend classes as many as 30 clock hours per week.

General Aviation Certificate of Proficiency Requirements:	Credit Hours
AV 15004 Aviation Math & Physics	4
AV 15033 Aircraft Electricity I	3
AV 15143 Aircraft Drawing & Weighing	3
AV 15014 Aircraft Structures I	4
AV 15023 Aviation Fundamentals	3
Total Certificate Credit Hours	17

CP General Aviation Minimum Scores Required			
	Math	English	Reading
ACT	11	11	11
COMPASS	(A) 15 (P) 17	19	44

For more information about ANC graduation rates, the median debt of students who completed the program, and other important information, please visit the ANC website at: <http://www.anc.edu/gainfulemployment/index.htm>

## Construction Technology – Certificate of Proficiency Program

The Construction Technology Program is designed to prepare students for entry level construction jobs. Students will learn the basics of construction safety, math, and power and hand tools. Students will develop skills in construction welding, concrete finishing, rigging, and light equipment usage. The goal of the program is to help the student acquire skills that can be used to enter the workplace and be a versatile member of a construction team. Pending program approval, the Construction Technology curriculum will include courses in Construction Craft Skills, Oxygen/Acetylene Safety and Orientation, and SMAW Partial Joint Penetration. Great new jobs are coming to this area. Let Arkansas Northeastern College help you gain the skills and knowledge necessary to begin or advance in a construction career.

Coursework/Training	Credit Hours
CT 17003 Construction Craft Skills	3
CT 17104 Construction Technology I	4
CT 17024 Construction Technology II	4
WE 17001 Oxygen/Acetylene Safety	1
WE 17094 SMAW Structural Welding	4
<b>Total Certificate Credit Hours</b>	<b>16</b>

<b>CP Construction Technology Minimum Scores Required</b>			
	Math	English	Reading
ACT	13	11	11
COMPASS	(A) 15 (P) 17	19	44

## General Industrial Technology- Certificate of Proficiency Program

To provide an alternative course of study for prospective students who do not initially meet all of the entrance qualifications of Arkansas Northeastern College. This certificate will develop basic skills and knowledge that could be useful in applying for a position with an industrial employer.

	Credit Hours
EL 15003 Basic Electricity I	3
ES 15003 Industrial Safety Administration	3
MT 15003 Introduction to Manufacturing	3
Approved Electives*	7
<b>Total Certificate Credit Hours</b>	<b>16</b>

<b>CP General Industrial Technology Minimum Scores Required</b>			
	Math	English	Reading
ACT	13	11	11
COMPASS	(A) 15 (P) 17	19	44

\* Approved electives may be chosen from courses with the following prefixes: AC, AS, BU, CE, CS, CT, EL, ES, HV, IS, ME, MG, MT, and WE as approved by the Dean of Economic Development. Elective credit for appropriate experiential learning will also be considered.

For more information about ANC graduation rates, the median debt of students who completed the program, and other important information, please visit the ANC website at: <http://www.anc.edu/gainfulemployment/index.htm>

## Steel Industry Technology - Associate of Applied Science Degree

This program is designed for students who wish to pursue careers in the steel industry or manufacturing processes that require specialized job and skill knowledge. This region has become a major source of steel related occupations and this degree will help facilitate entry or enhance promotional opportunities within the industry. Applied knowledge acquired through this program pertains particularly to steel-related industries, but also is relevant to any advanced manufacturing enterprise.

### General Education Core Requirements: Credit Hours

EN 12003	English Composition I*	3
EN 12013	English Composition II*	3
CS 11033	Computer Fundamentals	3
MA 14113	Math Apps for Manufacturing* <b>OR</b>	
MA 14043	College Algebra*	3
SP 22063	Human Relations <b>OR</b>	
SP 12103	Intro to Speech Communications	3
<b>Total Gen Ed Credit Hours</b>		<b>15</b>

<b>AAS Steel Industry Technology</b>			
<b>Minimum Scores Required</b>			
	Math	English	Reading
ACT	15	15	15
COMPASS	(P) 18	49	70

### Division Requirements:

CE 11003	Workplace Essentials	3
ES 15003	Industrial Safety Administration	3
MG 21003	Principles of Supervision	3
<b>Total Division Credit Hours</b>		<b>9</b>

Curriculum Summary:	
General Education Requirements:	15
Division Requirements:	9
Major Requirements:	18
Approved Electives:	18
Total Credit Hours:	60

### Major Requirements:

EL 15003	Basic Electricity I	3
EL 25013	Industrial Motor Controls	3
ME 15013	Basic Hydraulics/Pneumatics	3
ME 15023	Mechanical Drives and Bearings	3
ME 15033	Maintenance Welding	3
IS 15063	Basic Metallurgy	3
<b>Total Credit Hours</b>		<b>18</b>

Approved Electives\*\* 18

**Total Degree Credit Hours 60**

\* Students must earn a "C" or better in English Composition I, English Composition II, and the math requirement to receive an Associate in Applied Science Degree.

\*\*Approved electives may also be chosen from courses with the following prefixes: AC, AS, BU, CE, CS, CT, EL, ES, HV, IS, ME, MG, MT or WE as approved by the Dean for Economic Development. Elective credit for appropriate experiential learning will also be considered.



## Industrial Electrical Systems - Certificate of Proficiency Program

This certificate in Industrial Electrical Systems is designed for the student with a related background or a desire to enter the field of industrial electrical maintenance. This certificate program also allows an individual to update or enhance current job skills. Students wishing to enter this program should consult an advisor. Students must earn a grade of “C” or better in each required course.

Certificate Requirements:	Credit Hours
EL 15003 Basic Electricity I	3
EL 15013 Basic Electricity II	3
EL 25003 AC/DC Machines	3
EL 25013 Industrial Motor Controls I	3
Approved Electives*	4
<b>Total Certificate Credit Hours</b>	<b>16</b>

<b>CP Industrial Electrical Systems Minimum Scores Required</b>			
	Math	English	Reading
ACT	13	11	11
COMPASS	(A) 15 (P) 17	19	44

\* Approved electives may be chosen from courses with the following prefixes: AC, AS, BU, CE, CS, CT, EL, ES, HV, IS, ME, MG, MT, and WE as approved by the Dean of Economic Development. Elective credit for appropriate experiential learning will also be considered.

## Welding

### Welding Option, General Technology- Associate of Applied Science Degree Option

The Associate of Applied Science in General Technology allows the blending of a technical certificate with general education courses to form a degree that consists of applied technologies. This program is designed to prepare students for careers in welding. Students will develop skills to meet certain certification test standards for either manufacturing or pipe welding. Students will be better prepared to assume positions that require an understanding of fabrication and layout.

#### General Education Core: Credit Hours

EN 12003 English Composition I	3
EN 12013 English Composition II	3
CS 11033 Computer Fundamentals	3
MA 14073 Mathematical Applications <b>OR</b> MA 14043 College Algebra	3
SP 22063 Human Relations <b>OR</b> SP 12103 Introduction to Speech Communications	3
<b>Total Credit Hours</b>	<b>15</b>

<b>AAS General Technology - Welding</b>			
<b>Minimum Scores Required</b>			
	Math	English	Reading
ACT	15	15	15
COMPASS	(P) 18	49	70

#### Division Requirements:

CE 11003 Workplace Essentials	3
<b>Total Credit Hours</b>	<b>3</b>

#### Welding Major Requirements

WE 17001 Oxygen/Acetylene Safety & Orientation	1
WE 17013 Blueprint Reading for Welders	3
WE 17034 Shield Metal Arc Welding (SMAW) Pipe Welding	4
WE 17044 Tungsten Inert Gas (TIG) Pipe Welding	4
WE 17064 Gas Metal Arc Welding	4
WE 17074 Tungsten Inert Gas (TIG) Manufacturing	4
WE 17084 Flux Cored Arc Welding	4
WE 17094 SMAW Structural Welding (Partial Joint Penetration)	4
WE 17104 SMAW Structural Welding (Complete Joint Penetration)	4
<b>Total Credit Hours</b>	<b>32</b>

**Approved Electives\*** **10**

**Total Degree Credit Hours** **60**

*\*Approved electives may also be chosen from courses with the following prefixes: AC, BU, CE, CS, CT, EL, ES, HV, IS, ME, MT, and MG as approved by the Dean for Economic Development. Elective credit for appropriate experiential learning will also be considered.*

*Note: Students must earn a "C" or better in English Composition I, English Composition II, and the math requirement to receive an Associate in Applied Science Degree*

## Welding- Technical Certificate Program

The one year certificate in Welding is designed for students wishing to secure marketable welding skills. Through an organized progression of steps, the student builds ability with the different welding processes offered. Progression is competency based. Students will achieve different levels of expertise, determined by their interest, aptitude, and participation in class. Welder Qualification is available. All structural qualification testing will be done in accordance with American Welding Society Structural code D1.1. All pipe qualifications will adhere to Section 1X of the American Society of Mechanical Engineers welding code.

Requirements:

### First Semester

	Credit Hours
WE17001 Oxygen/Acetylene Safety and Orientation	1
WE17013 Blueprint Reading for Welders	3
WE17094 SMAW Structural Welding (Partial Joint Penetration)	4
WE17104 SMAW Structural Welding (Complete Joint Penetration)	4
WE17034 Shield Metal Arc Welding (SMAW) Pipe Welding	4

### Second Semester

CE 11003 Workplace Essentials	3
Approved Electives*	12
<b>Total Program Credit Hours</b>	<b>31</b>

\* Choose from the following approved electives

WE17034 Shield Metal Arc Welding (SMAW) Pipe Welding	4
WE17044 Tungsten Inert Gas (TIG) Pipe Welding	4
WE17064 Gas Metal Arc Welding	4
WE17074 Tungsten Inert Gas (TIG) Manufacturing	4
WE17084 Flux Cored Arc Welding	4

<b>TC - Welding</b>			
<b>Minimum Scores Required</b>			
	Math	English	Reading
ACT	11	11	11
COMPASS	(A) 15 (P) 17	19	44

## Welding- Certificate of Proficiency Program

### Requirements: Credit Hours

WE 17001 Oxygen/Acetylene Safety and Orientation	1
WE 17094 SMAW Structural Welding (Partial Joint Penetration)	4
WE 17104 SMAW Structural Welding (Complete Joint Penetration)	4
Approved Electives*	7
<b>Total Certificate Credit Hours</b>	<b>16</b>

Choose from the following Approved Electives\*

CE 11003 Workplace Essentials	3
WE 17034 Shield Metal Arc Welding (SMAW) Pipe Welding	4
WE 17044 Tungsten Inert Gas (TIG) Pipe Welding	4
WE 17064 Gas Metal Arc Welding	4
WE 17074 Tungsten Inert Gas (TIG) Manufacturing	4
WE 17084 Flux Cored Arc Welding	4

<b>CP - Welding</b>			
<b>Minimum Scores Required</b>			
	Math	English	Reading
ACT	11	11	11
COMPASS	(A) 15 (P) 17	19	44

For more information about ANC graduation rates, the median debt of students who completed the program, and other important information, please visit the ANC website at: <http://www.anc.edu/gainfulemployment/index.htm>

## **Workforce Orientation & Retraining Keys**

Workforce Orientation & Retraining Keys (WORK) is a sixty clock hour program designed to lift unemployed, local residents living in poverty out of poverty and help them find a job. The WORK Program provides individuals with the necessary skills and support network to access job opportunities.

WORK participants have the opportunity to earn incentives up to \$300 during training to help remove barriers to employment, such as funds to purchase work clothes or specialized footwear.

Completers of the WORK program have the opportunity to obtain a certificate of WORK completion, an American Heart Association CPR card, three hours credit at ANC, and job interview opportunities with local employers.

The WORK course, offered both in Blytheville and Osceola, is made available at no cost to participating trainees.

For more information on the WORK Program, contact Coordinator Doug Echols at 870-838-9905.

# COURSE DESCRIPTIONS

## COURSE NUMBERS

Arkansas Northeastern College uses a five-digit course numbering system. A new numbering system was implemented in fall 1996. The first digit indicates the course level (0-Developmental, 1-freshman, 2-sophomore). The second digit represents the academic division. The next two digits represent the numerical sequence of the course and the fifth digit indicates the credit hour value of the course. It should be emphasized that the change in course numbers will not affect the transferability of courses.

ACTS Equivalent Course numbers are listed in the course description section of the catalog.

The following legend is used for courses in the catalog:

AC Accounting	HU Humanities
AG Agriculture	HV Heating Ventilation Air Conditioning
AH Allied Health	IS Industrial Science
AN Anthropology	LA Language
AR Art	MA Mathematics
AS Automotive	ME Mechanical
AV Aviation Maintenance	MG Management
BI Biology	MK Marketing
BU Business	MT Manufacturing
CE Cooperative Education	MU Music
CH Chemistry	NA Nursing Assistant
CJ Criminal Justice	NU Nursing
CP College Preparatory	OT Office Technology
CS Computer Information Systems	PE Physical Education
CT Construction Technology	PH Philosophy
DA Dental	PN Practical Nursing
EC Economics	PO Political Science
ED Education	PS Physical Science
EL Electrical	PY Psychology
EM Emergency Medical	RE Real Estate
EN English	SO Sociology
ES Environmental Systems	SP Speech
GE Geography	TH Theater
HI History	WE Welding

## **ACCOUNTING**

AC 21003 PRINCIPLES OF ACCOUNTING I – This course examines the complete accounting cycle for merchandising and service-oriented organizations and the present accounting theory and practice relating to assets, liabilities, owners' equity, revenues, and expenses. The course includes basic differences in accounting for single proprietorships and partnerships and differences in how corporation equities are accounted. Prerequisite: Grade of "C" or better in MA14093 Mathematical Applications for Business or CP 04033 Fundamentals of Algebra II, or an ACT math score of at least 21, or a Compass math score on Test Type A of at least 49. ACTS equivalent course number is ACCT2003. Fall

AC 21013 PRINCIPLES OF ACCOUNTING II – This course is a continuation of Accounting I. Special attention is given to corporations and manufacturing operations. The course also covers the use of accounting information in managerial decisions, costs, and financial statement analysis. Prerequisite: Grade "C" or better in AC 21003 Principles of Accounting I. Spring

AC 21033 COMPUTERIZED ACCOUNTING – This course gives the student hands-on experience operating an accounting software package. Students learn to use the computer for common business transactions such as paying bills; purchasing and selling merchandise; processing payroll; and tracking vendors, customers, and inventory. Basic accounting principles and concepts are reinforced. Prerequisite: Grad "C" or better in AC 21003 Principles of Accounting I. Spring

## **ALLIED HEALTH**

AH 16006 PHLEBOTOMY TECHNICIAN – This course is designed to provide students with the essential knowledge and skills required in the performance of blood and specimen collection. The course covers the latest safety information, techniques, skills, and equipment necessary in the provision of safe and effective collection procedures. Content also addresses the professional role of the Phlebotomist, generational traits, age-specific considerations, transcultural communication and patients with special needs. The course requires a 58- hour lecture/lab and a 120-hour clinical externship.

AH 16011 MEDICAL TERMINOLOGY -The Medical Terminology course is designed to provide the basic structural background of prefixes, suffixes, and roots necessary for analyzing medical and scientific words. The emphasis is on structural analysis, pronunciation, pluralization, and spelling. This one credit hour class is delivered in the classroom along with 50% of the class requirements offered on-line.

AH 16076 NURSING ASSISTANT -The Nursing Assistant training course provides instruction in the fundamentals of nursing care through lectures, discussion, and audiovisuals, along with demonstration and return demonstration of skills in the clinical lab. CPR/First Aid instruction are included as well as supervised clinical experiences in a long-term healthcare facility. After successful completion of the course students receive a Certificate of Proficiency and Certificate of Completion and are eligible to complete the state certification/competency test to become a Certified Nursing Assistant (CNA).

AH 16093 INTRODUCTION TO ANATOMY AND PHYSIOLOGY – Humane anatomy and physiology from cellular structure to systems applications are studied. Emphasis is on the normal human anatomy and physiology process and disease processes as related to pre-hospital medicine. Body systems covered in this course are an overview of the human body to include respiratory, cardiovascular, digestive, reproductive, excretory, endocrine, nervous, skeletal and muscular systems.

AH 16084 BODY STRUCTURE AND FUNCTION WITH LAB – This 4 hour credit course follows the organization of the body from the single cell to the coordinated whole. Body systems covered in this course are an overview of the human body to include respiratory, cardiovascular, digestive, reproductive, excretory, endocrine, nervous, skeletal and muscular systems. A major emphasis is placed on the interaction of all body systems for the maintenance of a stable internal state. A classroom lab provides students opportunity to focus on application of advanced concepts.

AH 16053 INTRODUCTION TO ECG AND RHYTHM STRIP MONITORING – This three hour credit course is designed to provide the student with the knowledge and technical competency to perform a twelve lead ECG's. Identifying and interpreting normal and abnormal ECG rhythms and functioning as an ECG and Monitor Technician. Course content includes, but is not limited to, anatomy/physiology of the heart, basic electrophysiology sinus mechanism, atrial rhythms, junctional rhythms, ventricular rhythms, blocks, pace rhythms, rhythm strip interpretation and an introduction to 12-lead ECG. In the clinical laboratory students practice their technical, skills and become CPR certified by the American Heart Association, prior to a 16 hour clinical component where students apply knowledge and skills in twelve lead ECG and rhythm strip monitoring in the clinical setting.

AH 16044 PATIENT MEDICAL RECORDS & CLERICAL PRINCIPLES – This four credit hour course includes a generalized orientation to the healthcare profession, and is intended as an introduction to the roles and responsibilities of HIM, (Health Information Management) within the healthcare team in the digital age. Content study includes applications and effective methods of identifying and solving specified types of problems and situations encountered with patient health/medical records and associated clerical duties in a variety of clinical settings. The course provides an overview of therapeutic communication skills, human needs, health care delivery systems, and vocational responsibilities of a patient care provider. The course also focuses on the development and retention of health information and or medical records in a variety of health care environments.

AH 16064 PATIENT CARE TECHNICIAN ADVANCED CONCEPTS AND SKILLS – This four credit hour capstone course of the Patient Care Technology Program. The course provides instruction related to advanced fundamentals of nursing assistant practice to include but not limited to lectures, discussion, audiovisuals, demonstration of skills, and clinical skills validation. The course further expands content to include the key practice elements of the Patient Care Technician providing a conceptual framework of practice to include advanced nursing assistant, phlebotomy, ECG and monitor technician and unity secretary. Students will complete this course with the co-requisite course "Patient Care Technician Practicum" as the last courses in the PCT program.

AH 16023 PATIENT CARE TECHNICIAN PRACTICUM – The Patient Care Technician Practicum is the clinical capstone course in the Patient Care Technology Program and provides students the opportunity to practice clinical competencies in a healthcare setting. Students practice under direct supervision of licensed healthcare personnel the advanced skills validated in the program in the areas of: Patient Care Technician, Nursing Assistant, Phlebotomy Technician, ECG and Monitor Technician, and Unit Clerk. A total of 135 clinical hours are scheduled in a variety of care facilities including, acute care, long term care, and physician's offices. Prerequisites: Completion of the course Advanced Patient Care Concepts and Skills is a co-requisite for this clinical course.

## **ANTHROPOLOGY**

AN 23003 INTRODUCTION TO ANTHROPOLOGY – A survey of the origins, development, and culture of man. Topics covered include the scope and nature of anthropology, the concept of culture, evolutionary theory, the emergence of modern man, the development of civilizations, human variations, linguistics, food getting, economic systems, the family and kinship, religion, magic, the arts, culture, and personality. ACTS equivalent course number is ANTH1013.

## **ART**

AR 12003 ELEMENTARY DRAWING I – This course is an introductory studio class in the discipline of drawing. It involves the investigation and application of various linear approaches to creativity using a variety of media including pencil, charcoal, pastels, chalk, crayon, and pen & ink. Still-life and objects from nature are emphasized as subject matter.

AR 12013 DRAWING II – This course is a studio class which continues the study of the discipline of drawing. It expands the investigation and application of various linear approaches to creativity by exploring the visual characteristics of different objects and materials regarding texture and structure. Special emphasis is placed on understanding historical drawing styles as inspiration for the development

of a personally expressive linear style. Prerequisite: Drawing I.

AR 12023 WATERCOLOR I— This course is an introductory studio class which explores the techniques and various means of expression possible with watercolor paint. Different materials and approaches to the application of water-based pigment are investigated. The learning model for the course is experimental with the focus on process rather than product. Subject matter emphasis is on still life and objects from nature. Nonobjective results and collage are also explored.

AR 12033 WATERCOLOR II – This course is a studio class which continues the study of painting with watercolor. It expands the investigation of materials and techniques across a broad range of subject matter. Experimental and special techniques are emphasized and stylistic development is encouraged. Prerequisite: Watercolor I.

AR 12043 DESIGN I—This course is a studio class which introduces the basic concepts of visual design and how the concepts are used in the composition and creation of works of art. Through various media and techniques, the elements and principles of design are studied and applied as students create works that express each of the design concepts.

AR 22003 ART APPRECIATION – This course is an introductory survey and study of the visual arts in relation to the civilizations and times that produced them. The study includes exploration of the purposes and role of art in various cultures; the media and processes used in creating visual art; the analysis of selected works of art; and other foundational concepts necessary for developing an appreciation of art. This course is often taught online. ACTS equivalent course number is ARTA1003.

AR 22023 GRAPHIC DESIGN I—This course is a studio class which explores the fundamental techniques, concepts, and principles of design that are related to consumerism and concise visual messages. Basic composition, typography, color theory, and stylization are studied and applied. Students create designs for logos, letterheads, packaging, advertisements, posters, and signage.

AR 22043 ELEMENTARY COMPOSITION AND PAINTING – This course is a studio class which introduces students to the discipline of painting. Terms, methodologies, materials, and techniques involved in painting with opaque media, particularly acrylic paint, are explored. The course emphasizes composition and the preliminary development of paintings with a focus on still-life and varied subject matter from nature.

AR 22053 PAINTING II – This course is a studio class which continues the study of the discipline of painting using acrylic paint. Techniques, methodologies and subject matter involved in painting are reviewed and further explored. Technical and creative experimentation are emphasized and stylistic understanding and development are pursued. Prerequisite: Elementary Composition and Painting I.

AR 22063 ADVANCED DRAWING LAB – This studio class provides advanced study in the discipline of drawing. Experimental techniques, creative expressiveness and stylistic development are emphasized. Portfolio compilation, analytical critiques, and art exhibit preparation are integral to the course. Prerequisite: Drawing II

AR 22073 ADVANCED PAINTING LAB – This studio class provides advanced study in the discipline of painting. Experimental techniques, creative expressiveness and stylistic development are emphasized. Portfolio compilation, analytical critiques, and art exhibit preparation are integral to the course. Prerequisites: Painting II or Watercolor II.

## **AUTOMOTIVE**

AS 17006 ENGINE PERFORMANCE -Three engine management systems are covered in this course: computer controlled devices, fuel and ignition systems, and driving ability and emissions. An understanding of the operation of these systems is essential to the successful maintenance and repair of most vehicles. Drivability describes the maintenance of a vehicle's performance. The technician must



understand the complex network of electronic components that control the performance characteristics of the vehicle.

AS 17016 ENGINE PERFORMANCE LAB - Lab pertaining to application of classroom theory dealing with troubleshooting, repairing, and replacing computer related components.

AS 17025 AUTOMOTIVE DRIVE TRAINS - This course is designed to cover the entire drive train on a late model vehicle with a standard or automatic transmission. Beginning with the flywheel, the course traces the flow of power from the engine, through the flywheel, to the transmission, through the differential assembly and ending at the wheel hub. Included is the principle of gear reduction as it applies to the theory, operation and repair of manual/automatic transmissions, rear axles, and transaxles. Several types of four-wheel drive systems will also be taught.

AS 17034 AUTOMOTIVE BRAKE SYSTEMS - This course concentrates on the theory and operation of disc and drum brake systems. Basic hydraulic principles, as well as, the operation and components of the brake foundation system are covered. The course includes an in-depth study of the various types of power brake systems, including vacuum suspended systems, booster systems and several types of anti-lock braking systems.

AS 17054 AUTOMOTIVE CHASSIS AND STEERING - This course is designed to introduce the student to the theory and operation of modern suspension and steering systems. The study of the suspension system includes wheels and tires, hubs, bearings, seals, springs, and the vehicle frame. Various designs and construction of each of these components will be covered. Steering and steering systems start with the basic theory of steering geometry and all of the related factors. Wheel alignment of both front and rear wheels, and construction and operation of manual and power steering components are included.

AS 17064 AUTOMOTIVE CLIMATE CONTROL - This course begins with a study of the theory of refrigeration, the refrigeration cycle and the basic components of a typical automotive refrigeration system. The function and construction of compressors, lines, expansion valves, expansion tubes, condensers, evaporators, blower motors, and air distribution systems are covered. Time will be devoted to the study of automatic temperature control systems including the latest computer monitored systems. Heating and ventilation, an important part of the vehicle's climate control system, will also be covered. Service and maintenance procedures, as well as basic shop safety, are heavily emphasized. Environmental Protection Agency regulations and the use of recovery/recycling equipment is incorporated.

AS 17075 GASOLINE ENGINE REPAIR - This course provides the student with an introduction to automotive engines, the use and care of hand tools, precision tools, special tools and equipment. Construction and theory of operation with attention to engine components are included. In addition, cooling and lubrication of modern engines, preventative maintenance and use of shop and flat rate manuals are covered.

AS 17088 AUTOMOTIVE ELECTRONICS - This course includes Ohm's Law, basic electrical circuits, wiring diagrams, symbols, use of precision testing instruments, and analysis of opens, shorts, ground and related problems. Included are principles of the cranking circuit, charging systems, lighting circuits, and electrical accessories. Lab work includes the diagnosis and repair of electrical malfunctions of live equipment.

AS 17991 AUTOMOTIVE SERVICES TOPICS – This course is designed to provide students training opportunities in a variety of short-term automotive related topics including but not limited to: hybrid/electric technologies in braking systems, electrical systems, and engine performance, Emphasis will be placed on consumer safety.

## **AVIATION**

AV 15004 AVIATION MATH & PHYSICS – This course contains the FAA subject areas of Mathematics and Basic Physics. This course provides a review of the basic math and physics needed for the remaining

courses in the aviation maintenance program, as well as those required by the FAA. The math section includes fraction, exponents, roots, algebraic operations area, and applied geometry. The physics section includes kinematics, thermodynamics, fluid dynamics, and atmospheric studies as they apply to aircraft and flight.

AV 15014 AIRCRAFT STRUCTURES I – This course contains the FAA subject areas of *Materials and Processes* including *Nondestructive Testing, Fluid Lines and Fittings, and Cleaning and Corrosion*. In this class, students will learn the proper way to use many of their tools. They will learn about and work with a variety of materials and hardware used in aircraft construction and maintenance. They will learn to use a variety of nondestructive testing techniques to locate and potential problems before a deadly accident occurs. They will learn the proper hardware and techniques to install fuel and hydraulic lines on aircraft. Finally, students learn how to keep an aircraft in safe flying condition as well as how to prevent and treat corrosion in aircraft.

AV 15023 AVIATION FUNDAMENTALS – This course contains the FAA subject areas of *Maintenance Publications, Maintenance Forms and Records, Mechanic Privileges and Limitation, and Human Factors*. They will learn what publications are available for legal maintenance and operation of aircraft, as well as how to properly document aircraft maintenance. They will learn the things that an A & P mechanic may and may not legally do. Finally, they will learn what ergonomic factors have to be taken into account to prevent or minimize human fatigue and facilitate ease of operation.

AV 15033 AIRCRAFT ELECTRICITY I – This course contains the FAA subject area of *Basic Electricity*. This course will provide a thorough introduction to both AC and DC electricity and circuits. Students will learn to calculate and measure volts, amps, watts, and ohms. Students will build and analyze circuits, and learn to use electrical schematics in relation to aircraft application.

AV 15054 AIRCRAFT ELECTRICITY II – This course contains the FAA subject area of *Aircraft Electrical Systems*. This class expands the student's knowledge of electricity, and teaches how electrical components are used in aviation. Students learn to solder, crimp, and install wires safely in aircraft. Students learn to service and troubleshoot generators, alternators, and electric motors.

AV 15143 AIRCRAFT DRAWING AND WEIGHING – This course contains the FAA subject areas of Ground Operations and Servicing, Aircraft Drawings and Weight and Balance. Students practice proper techniques used to direct aircraft while taxiing and learn to start and operate aircraft on the ground. Student will learn to read and understand aircraft drawings, and to complete sketches of the repairs that they will make to aircraft. Students will also learn the procedures for weighing and aircraft and determining if it can be safely flown as it is loaded. Finally, they will learn how to adjust the center of gravity of the aircraft if needed.

AV 15076 AIRCRAFT STRUCTURES II – This course contains the FAA subject areas of *Sheet Metal Structures, Wood Structures, and Nonmetallic Structures*. Students will learn how to properly layout and fabricate sheet metal parts and repairs. A variety of fastening techniques will be learned including various specialty riveting. Students then learn about aviation grade wood and its mainly historic use in aircraft. Finally, students learn to service and repair the fiberglass, carbon fiber, and Kevlar based structures that are rapidly becoming the advanced standard of the aviation industry.

AV 15083 AIRCRAFT ASSEMBLY & RIGGING – This course contains the FAA subject area of *Assembly and Rigging*. Students will gain a wide overview of the type of flight structures on an aircraft, as well as their purpose and function. They learn how to properly assemble and rig aircraft for safe operation.

AV 15153 AIRCRAFT WELDING AND PAINTING – This course contains the FAA subject areas of *Welding, Aircraft Covering, and Aircraft Finishes*. This class introduces aircraft welding in a variety of materials. Students primarily learn to recognize a safe weld, but they also learn to perform basic welding operations. Students then learn about the fabric covering systems used on certain small aircraft. Finally, students will learn the proper way to paint and refinish airplanes and parts.

AV 15162 AIRCRAFT ICE AND ATMOSPHERE – This course contains the FAA subject areas of *Ice and Rain Control Systems and Cabin Atmosphere Control Systems*. This class deals with the systems which

allow aircraft to safely operate in hazardous weather. It covers ground based and inflight deicing. This course then examines simple cabin atmospheric systems such as heating and air conditioning. Finally, the class examines the necessity of cabin pressurization on high performance aircraft, and the complexities this brings to maintenance and operation.

AV 15172 AIRCRAFT FUEL AND FIRE – This course contains the FAA subject areas of *Aircraft Fuel Systems* and *Fire Protection Systems*. Students learn about and service fuel storage and delivery within the aircraft. They then examine the onboard fire detection and extinguishing systems built into many aircraft.

AV 15183 AIRFRAME INSPECTION – This course contains the FAA subject area of *Airframe Inspection*. This class teaches the proper way to complete annual airframe inspection and other required aircraft inspections. Students perform an actual annual airframe inspection, and in doing so, they review all of the airframe section information in preparation for the FAA Airframe Computer Based Test.

AV 15103 AIRCRAFT INSTRUMENTS – This course contains the FAA subject areas of *Position and Warning Systems*, *Aircraft Instrument Systems*, and *Communication and Navigation Systems*. Students will learn how to install, operate, and troubleshoot both required and optional safety and visibility systems on aircraft. They then move on into the systems that allow the pilot of the aircraft to safely operate the aircraft, as well as to navigate and communicate in flight. Students learn about historical systems and modern digital systems.

AV 15114 AIRCRAFT HYDRAULICS & PNEUMATICS – This course contains the FAA subject areas of *Hydraulic and Pneumatic Power Systems* and *Aircraft Landing Gear Systems*. Students will learn how to install, operate, and troubleshoot hydraulic controls, plumbing, and actuators. They will learn how these systems are used to control various parts of the aircraft, particularly the landing gear systems. Students study plain and antilock braking systems, as well as fixed and retractable landing gear systems.

AV 15122 AIRCRAFT FUEL SYSTEMS I – Students will develop a working knowledge of aircraft fuel systems and associated tanks, lines, pumps, valves, selectors, and quantity indicating systems.

AV 15133 AIRCRAFT PROTECTIVE SYSTEMS – Students will learn the theory of air conditioning, heating, oxygen, and cabin pressurization systems. Placement of assemblies and interaction of systems will be detailed. Students will learn the theory of operation and inspection techniques relating to aircraft warning systems for ice and rain control systems, and detection systems. Students will learn how to inspect, service, and troubleshoot aircraft fire warning systems and fire extinguishing systems.

AV 25007 RECIPROCATING ENGINES – This course contains the FAA subject areas of *Reciprocating Engines* and *Engine Instrument Systems*. Students will learn piston powered engine theory, and put it into practice in the shop. Students completely tear down a large aircraft engine, and reassemble it in an airworthy fashion.

AV 25015 TURBINE ENGINES – This course contains the FAA subject areas of *Turbine Engines*, *Auxiliary Power Units*, *Unducted Fans*, and *Engine Instrument Systems*. This class teaches students the theory behind gas turbine engines. Students then gain hands on working experience as they tear down and rebuild a gas turbine engine. They apply what they have learned to smaller APUs and a variety of other systems.

AV 25023 AIRCRAFT LUBRICATION & COOLING – This course contains the FAA subject areas of *Lubrication Systems*, *Engine Cooling Systems*, and *Engine Fire Protection Systems*. This class examines the systems that keep an engine from being damaged by excessive heat buildup. In *Lubrication Systems*, students learn how to service and troubleshoot the systems, as well as how to determine which lubricants are compatible with which engines. *Engine Cooling Systems* deals with both air cooling and liquid cooling systems as they apply to internal and external components of the engine. Finally, students learn about the onboard fire detection and extinguishing systems as they apply to some small and most large aircraft engines.

AV 25074 POWERPLANT SUPPORT SYSTEMS – This course contains the FAA subject areas of

*Introduction and Engine Airflow Systems, Engine Exhaust and Reverser Systems, Engine Fuel Systems, and Fuel Metering Systems.* This class deals with critical systems on all engines, such as the oxygen and fuel supply required to support combustion. Students will learn to troubleshoot, adjust, and service the complex systems which precisely control the fuel to air ratio for the engine. Students also study exhaust systems and power and safety enhancing systems associated with the exhaust, such as cooling augmentation, turbo charging, and reversing.

AV 25084 POWERPLANT ELECTRICAL SYSTEMS – This course contains the FAA subject areas of Engine Electrical Systems and *Ignition and Starting Systems*. Students learn proper wiring and servicing techniques for in front of the firewall. Students gain familiarity with a wide variety of systems from the relatively delicate thermocouple sensing circuits to the high voltage ignition circuits and the high amperage starting circuits. This class emphasizes vibration protection and fire protection of the wiring.

AV 25093 PROPELLERS – This course contains the FAA subject area of *Propellers*. This class teaches students about what they can and cannot do with aircraft propellers. The class examines many types of propellers, from fixed and variable pitch to composite and aluminum. Students learn to make minor repairs, such as balancing and tracking.

AV 25103 POWERPLANT INSPECTION – This course contains the FAA subject area of *Engine Inspection*. This class teaches the proper way to complete annual and other required engine inspections. Students perform an actual annual engine inspection, and in doing so, they review all of the airframe section information in preparation for their FAA Airframes Computer Based Test.

## **BIOLOGY**

**It is strongly recommended that all CP courses should be completed before enrolling in any Biology course.**

BI 14033 GENERAL BIOLOGY - Introduces the student to the unifying principles common to all levels of biological organization. Emphasis is at the cellular, organism and population levels with inquiry into the nature of scientific investigation. General Biology (BI 14033) must be taken concurrently with General Biology Lab (BI 14041). Students should have the same instructor for lecture and lab and will receive the same grade for both lecture and lab. Prerequisite: C or above in CP 02023 Fundamentals of Language or a19 ACT in English or an 80 Compass in Writing. ACTS equivalent course number is BIOL1014.

BI 14041 GENERAL BIOLOGY LAB - Lab extends the concepts of and must be completed with the General Biology course. Students should have the same instructor for lecture and lab and will receive the same grade for both lecture and lab. ACTS equivalent course number is BIOL1014.

BI 14053 BOTANY – Introduction to the study of plant structure, physiology, life histories, economic importance, and evolution. Lab (BI 14061) must be taken concurrently and completed as part of the class. Prerequisite: “C” or above in CP 02023 Fundamentals of Language or 19 ACT in English or 80 Compass in Writing.

BI 14061 BOTANY LAB – Lab extends the concepts of and must be completed with Botany and will provide the student with the opportunity to see and dissect plants to verify and enhance Botany.

BI 14073 ZOOLOGY – Introduces the student to the fundamental concepts and principles of animal biology. It will increase the awareness of the relationships of these principles to man. The approach will be from the single-celled to the complex organism. Lab (BI 14081) must be taken concurrently and completed as part of the course. Prerequisite: “C” or above in CP 02023 Fundamentals of Language or 19 ACT in English or 80 Compass in Writing.

BI 14081 ZOOLOGY LAB – Lab extends the concepts of and must be completed with Zoology and will include gross and microscopic anatomy, physiology, classification, and ecology of representative animals.

BI 24003 ANATOMY AND PHYSIOLOGY I – Provides the student with knowledge of the structure and

function of the human body. The general organization of the body and the structure and function of the integumentary, skeletal, muscular, and nervous systems will be covered. Anatomy & Physiology I Lab (BI 24011) must be taken concurrently and completed as part of the class. Students must have the same instructor for lecture and lab. The Arkansas Course Transfer System (ACTS) requires that Anatomy and Physiology I and II be taken at the same institution to ensure transferability of the Associate of Arts Degree to a four-year institution. Prerequisite: "C" or above in CP 02023 Fundamentals of Language or 19 ACT in English or 80 Compass in Writing. ACTS equivalent course number is BIOL2404.

BI 24011 ANATOMY AND PHYSIOLOGY I LAB – Lab extends the concepts of and must be completed with Anatomy and Physiology I. ACTS equivalent course number is BIOL2404.

*\*Anatomy & Physiology I and LAB (BI 24003 and BI 24011) will be offered at night in the Fall semester of even numbered years.*

BI 24023 ANATOMY AND PHYSIOLOGY II – A continuation of the study of the structure and function of the human body. The structure and function of the autonomic nervous system, sense organs, and the endocrine, circulatory, lymphoid, respiratory, digestive, urinary, and reproductive systems will be covered. Lab (BI 24031) must be taken concurrently and completed as part of the class. Prerequisite: Grade "C" or above in Anatomy and Physiology I and Lab (BI 24003 and BI 24011) . Students must have the same instructor for lecture and lab. The Arkansas Course Transfer System (ACTS) requires that Anatomy and Physiology I and II be taken at the same institution to ensure transferability. ACTS equivalent course number is BIOL2414.

*\*Anatomy & Physiology II and LAB (BI 24023 and BI 24031) will be offered at night in the Spring semester of odd numbered years.*

BI 24031 ANATOMY AND PHYSIOLOGY II LAB – Lab extends the concepts of and must be completed with Anatomy and Physiology II. ACTS equivalent course number is BIOL2414.

BI 24043 MICROBIOLOGY – A study of the bacteria, fungi, yeasts, and protozoa as they relate to man and the environment. Emphasis will be placed on disease causing organisms. Lab (BI 24051) must be taken concurrently and completed as part of the class. Prerequisite: Grade "C" or above in General Biology and Lab (BI 14033 and BI 14041) or Grade "C" or better in Anatomy & Physiology I and Lab (BI 24003 and BI 24011). ACTS equivalent course number is BIOL2004.

BI 24051 MICROBIOLOGY LAB – Lab extends the concepts of and must be taken with Microbiology. The laboratory course will focus on the isolation and identification of some major groups of microorganisms. Culturing techniques will include preparation of culture media, inoculation, transfer of cultures, and maintaining cultures for future need. ACTS equivalent course number is BIOL2004

## **BUSINESS**

BU 11003 INTRODUCTION TO BUSINESS – This course is designed to give the student a survey of the business world. The student is introduced to the operations of the various business segments of society including the free enterprise system, management, marketing, accounting and finance, information technology, and the role of government. The overview of the fundamentals of business incorporates the terminology of business and potential career fields. Fall

BU 11013 LEGAL ENVIRONMENT OF BUSINESS – This course is an introduction to the fundamental elements of the Anglo-American legal system and its common law origins. The scope of the course will include the application and operation of the legal system in the remedy of business disputes, the development and operation of the court system, and the regulation of American business and industry by the United States Government. Prerequisite: CP 02023 Fundamentals of Language and CP 02032 Language Lab or a score of at least 80 on COMPASS Writing or 19 on ACT English. ACTS equivalent course number is BLAW2003. Fall

BU 11023 DECISION STRATEGIES - This course explores the science of making reasoned decisions. Students will improve their ability to make effective decisions concerning business ethics, organizational

change, and other pertinent business issues requiring problem-solving skills. This introductory course is designed to be taken by students pursuing business or technical studies prior to the completion of eighteen hours of coursework. Prerequisite: CP 02023 Fundamentals of Language and CP 02032 Language Lab or a score of at least 80 on COMPASS Writing or 19 on ACT English. Spring

BU 11033 STORE ENVIRONMENT – This course makes an in depth study of retail and other similar industries such as hotel operations and convenience store management. It provides an overview of all aspects of retail management including marketing strategy, retail site locations, human resource management, supply chain, planning merchandise assortments, and buying systems. The class also involves going out into the field on numerous occasions to interact with businesses to find out how these areas apply specifically to each type of industry.

BU 21013 BUSINESS STATISTICS – This is a statistical methods course covering the collection, analysis, and presentation of data for business purposes. Also, includes the study of averages and dispersions, sampling, statistical inference, probability, tests of hypotheses, estimation, regression and correlation. Prerequisite: Grade “C” or better in MA 14043 College Algebra or MA 14093 Math Applications for Business or MA 14113 Math Applications for Manufacturing. Spring

BU 21083 NEW VENTURE ANALYSIS – Upon successful completion of this course, students should be able to assess the current economic, social, and political climate for small business. Students should be able to explain how demographic, technological, and social changes create business opportunities. Students will assess the personal appropriateness of their business ideas based on personal strengths and skills, as well as personal, professional, and financial goals. Additionally, the course will provide an overview of venture financing and business plan development.

## **CHEMISTRY**

CH 14003 SURVEY OF CHEMISTRY – A course designed to introduce students to the different phases of chemistry: inorganic, organic, and biochemistry. Prerequisite: “C” or above in CP 04033 Fundamentals of Algebra II and a “C” or above in CP 02023 Fundamentals of Language.

CH 14023 GENERAL CHEMISTRY I – This course is designed to include the basic principles of chemistry, including the correlation between electronic configurations of their elements and their chemical properties. Lab (CH 14031) must be taken concurrently and completed as part of the class. Prerequisite: Grade “C” or better in College Algebra (MA 14043) or departmental approval. ACTS equivalent course number is CHEM1414.

CH 14031 GENERAL CHEMISTRY I LAB - Lab extends the concept of and must be completed with General Chemistry I. ACTS equivalent course number is CHEM1414.

CH 14043 GENERAL CHEMISTRY II - Continuation of General Chemistry I with a brief survey of organic chemistry. Lab (CH 14051) must be taken concurrently and completed as part of the class. Prerequisite: Grade “C” or better in General Chemistry I and Lab (CH 14023 and CH 14031). ACTS equivalent course is CHEM 1424.

CH 14051 GENERAL CHEMISTRY II LAB - Lab extends the concepts of and must be completed with General Chemistry II. The laboratory emphasizes qualitative analysis.

CH 14063 INTRODUCTION TO ORGANIC AND BIOCHEMISTRY - This course is designed to present topics and concepts from organic and biochemistry required by students pursuing degrees in the allied health sciences and related fields. This course is not intended for chemistry majors. Lab (CH 14071) must be taken concurrently and completed as part of the course. Prerequisite: CH 14023 General Chemistry I and Lab.

CH 14071 INTRODUCTION TO ORGANIC AND BIOCHEMISTRY LAB - Lab extends concepts of and must be completed with Introduction to Organic and Biochemistry course.

CH 14083 CHEMISTRY OF STEELMAKING – The course is an introduction to chemistry with emphasis on chemicals and reactions seen in the steel making industry. Topics will include measurements and calculations, matter, elements, atoms, ions, nomenclature, chemical reactions, reactions in aqueous solutions, chemical composition, chemical quantities, energy, chemical bonding, gasses, liquids, solids, acids, bases, equilibrium, organic chemistry.

## COLLEGE PREPARATORY

*NOTE: CP courses are required by state law if placement test results indicate a need for College Prep. CP courses are graded on the following scale: A<sup>+</sup>, B<sup>+</sup>, C<sup>+</sup>, D<sup>+</sup>, and F. In sequential courses a grade of C<sup>+</sup> or better will be required to advance to the next level course. Courses which carry a CP prefix are not applicable for transfer or graduation, and grades of A<sup>+</sup>, B<sup>+</sup>, C<sup>+</sup>, D<sup>+</sup> are not figured into the student's GPA.*

CP 02023 FUNDAMENTALS OF LANGUAGE—Fundamentals of Language is designed to prepare students for English Composition I and to enhance their skills in correct use of grammar, mechanics, punctuation, usage, composition, and reading comprehension. This course is required for students who score 49-66 on the COMPASS English test **or** from 70-76 on the Reading test **or** 15-16 on the English **or** Reading portions of the ACT. At the conclusion of the course, students who score below 80 on the Writing portion of the COMPASS post-test must enroll in English Composition I with an ALP (Accelerated Learning Program) lab. Students enrolled in this course must also be enrolled in CP 02032 Language Lab.

CP 02032 LANGUAGE LAB—This Language Lab is designed to aid students in successfully completing Fundamentals of Language. This lab reinforces the concepts of the Fundamentals of Language class and gives extra practice to those students who need additional attention from the instructor. This course is required for students who score 49-66 on the COMPASS English test **or** from 70-76 on the Reading test **or** 15-16 on the English **or** Reading portions of the ACT. This course must be taken with Fundamentals of Language (CP 02023).

CP 02052 ACCELERATED LEARNING PROGRAM LAB (ALP LAB)—The Accelerated Learning Program (ALP) Lab is designed to aid students in successfully completing English Comp. I. This lab reinforces the concepts of the Composition I class and gives practice to those students who need additional attention from the instructor to improve writing. This course is required for students with the following scores: An ACT score of 17-18 in English **or** Reading; **or** a COMPASS Writing score of 67-79 **or** a COMPASS Reading score of 77-82.

CP 03203 ESL/SPEECH IMPROVEMENT - This course is designed to assist both native and non-native speakers of English in improving their method of speaking. Elements of phonics as well as group practice sessions are used to achieve the goals.

CP 04023 FUNDAMENTALS OF ALGEBRA I - Fundamentals of Algebra is a modular, mastery-based review of basic mathematical concepts associated with the arithmetic of real numbers and basic algebra with applications. Students must complete Modules 1 through 9 at a minimum to pass this course. Prerequisite: 15 ACT in Math or 27 in Pre-algebra on Compass or 18 in Algebra on Compass. Students enrolling in this course must also enroll in CP 04042 Review Algebra Course for Excellence (RACE).

CP 04033 FUNDAMENTALS OF ALGEBRA II – Fundamentals of Algebra II is a continuation of a modular, master-based review of basic mathematical concepts associated with basic algebra and intermediate algebra with applications and is the prerequisite course for MA 14043 College Algebra. Students must complete through Module 15 to pass this course. Prerequisite: C or above in CP 04023 Fundamentals of Algebra I.

CP 04042 REVIEW ALGEBRA COURSE FOR EXCELLENCE (RACE) – RACE is a two-hour supplemental lab for students concurrently enrolled in Fundamentals of Algebra I or II. Innovative techniques and projects will be used to improve problem-solving skills at all levels. The RACE lab must be taken concurrently with Fundamentals of Algebra I.

CP 04052 MATHEMATICAL APPLICATIONS PLUS (MAP) – MAP is a two-hour supplemental lab for

students concurrently enrolled in Mathematical Applications. Innovative techniques and projects will be used to improve problem-solving skills at all levels. The MAP lab will be required for students concurrently enrolled in Math Apps having ACT Math scores of 15 through 17 (Compass scores of 18 to 30 in Algebra or 27 to 48 in Pre-algebra) and optional for those students with ACT or Compass scores above these.

## **COOPERATIVE EDUCATION**

CE 11003 WORKPLACE ESSENTIALS – This course is designed to teach employability skills that are required for success in today’s ever-changing workplace. Students receive instruction in proper business etiquette, effective communication, appropriate work habits, and additional workplace effectiveness skills such as time management and working in teams. In addition, students have the opportunity to earn a Career Readiness Certificate through the interactive training system, KeyTrain, based on ACT’s WorkKeys® assessment system.

CE 21013 INTERNSHIP – A venture between the student, the College, and business/ industry in which students combine classroom theory with on-the-job training. Students work closely with a faculty advisor to develop viable learning objectives that provide learning experiences that are consistent with their overall educational goals. The student will be responsible for completing the objectives, preparing the observation forms, and summarizing the results of the learning experience. Completion of this course requires 120 clock hours of instructor-approved workplace experience. Students should take this course during their last semester of study.

CE 21041 CAREER MANAGEMENT – Career Management prepares the student to meet the expectations of the workplace in finding and securing employment. Students explore job searching techniques, write a professional-looking resume and cover letter, and learn how to prepare for an interview. Note: This course is taken in the last semester of the chosen field of study. Fall, Spring

## **COMPUTER INFORMATION SYSTEMS**

CS 11033 COMPUTER FUNDAMENTALS – This course is an introduction to basic computer terminology, operating systems, file management, and hands-on training in software applications including word processing, spreadsheet, database, and multimedia presentations. Pre-requisite or Co-requisite: Demonstrated keyboarding ability of 30 net words per minute by touch or OT 11003 Beginning Keyboarding. Students may challenge this course through Credit by Examination and payment of related fees. ACTS equivalent course number is CPSI1003. Fall, Spring

CS 11533 INTRODUCTION TO COMPUTER INFORMATION SYSTEMS – This course provides introductory computer concepts. Topics include hardware, application and system software, communications and basic networking, the Internet and World Wide Web, e-commerce, the social web and technologies, and data security and privacy. Fall

CS 21003 SPREADSHEET APPLICATIONS – This course is an introduction to electronic spreadsheet concepts and terminology, using current applications software. The fundamentals of worksheets, graphics, and databases are employed to develop good problem solving skills. A variety of “what if” conditions are explored in business, mathematics, and other areas. Prerequisite: Grade of “C” or better in CS 11033 Computer Fundamentals. Spring

CS 21043 VISUAL BASIC PROGRAMMING – This course is designed to teach students how to write structured programs in a personal computer environment using the Visual Basic programming language. The course reinforces the mechanics of the BASIC language while challenging students with the applications associated with business applications. Students attain a firm knowledge and understanding of Visual Basic fundamentals and will be able to develop a wide variety of Windows applications. Prerequisite: Grade of “C” or better in CS 11033 Computer Fundamentals and MA 14093 Mathematical Applications for Business or MA 14043 College Algebra. Fall

CS 21093 DATABASE MANAGEMENT – This course presents an introduction to relational database management systems. It is designed to familiarize the student with Microsoft Access and its application in



the business world. Topics include: designing, maintaining, protecting and querying databases; creating forms, reports, and macros; and an introduction to SQL (Structured Query Language). Prerequisite: Grade of "C" or better in CS11033 Computer Fundamentals. Spring

CS 21123 NETWORKING I – This course introduces networking vocabulary, concepts, and uses. Topics include the Open System Interconnection model; networking topologies, standards, specifications, uses and function; Internet Protocol addressing; and labs. The course objectives cover approximately one-half of the CompTIA Network+ certification exam objectives. Spring

CS 21181 – INTRODUCTION TO WORD – This class teaches the student how to use Microsoft Word. Word processing functions such as creating documents, editing, copying, pasting, fonts, and printing. This course is designed to familiarize students with both beginning and intermediate functions.

CS 21191 – INTRODUCTION TO POWERPOINT – This course teaches the importance of legibility, simplicity, and clarity in developing and creating effective visual presentations. Students will create slides, customize templates, and create charts, graphs, pictures, and animation for presentations or reports. Students learn to apply visual design criteria as they develop visuals through step-by-step, hands-on practice using PowerPoint.

CS 21201 INTRODUCTION TO EXCEL – This course teaches the student how to use today's most popular spreadsheet package, providing the student hands-on experience. Creating spreadsheets, using formulas, printing and creating graphs and using database features will be featured.

CS 21231 INTRODUCTION TO ACCESS – This course explores the key concepts, features, and commands of the leading Windows-based database program. Students will learn how to use Microsoft Access to solve almost any business problem.

CS 21333 NETWORKING II – The course objectives are in two distinct groups: Knowledge of networking technology and knowledge of networking practices. Topics include Ethernet, subnetting, routing, switching, authentication and access control, mitigation of network threats, physical and hardware security, network troubleshooting, and documentation. The course objectives, together with those of CS 21123 Networking I, cover the CompTIA Network+ certification I exam objectives. Prerequisite: Grade of C or better in CS 21123 Networking I. Fall

CS 21343 NETWORKING III – This course focuses on skills and knowledge needed for effective work with the Windows Server operating system. Included are LAN server installation, systems configuration, user and security management, management of file and print-sharing resources, configuration of network clients, and system recovery. Students also learn to manage and configure Active Directory Services, DNS, DHCP, remote access, IP routing, and network address translation in a Windows network. Prerequisite: Grade of "C" or better in CS21123 Networking I. Spring

CS 21353 PC MAINTENANCE HARDWARE – Students gain hands-on experience working inside a personal computer performing routine maintenance, installing internal and external hardware, installing software, and running diagnostic programs. The course objectives help students prepare for the CompTIA A+ certification exams. Prerequisite: Grade of "C" or better in CS 11533 Introduction to Computer Information Systems.

CS 21363 PC MAINTENANCE SOFTWARE – Students gain hands-on experience installing and supporting popular operating systems. The course objectives help students prepare for the CompTIA A+ certification exams. Prerequisite: Grade of "C" or better in CS 11533 Introduction to Computer Information Systems.

CS 21383 INTERNET APPLICATIONS I – INTERNET BASICS AND HTML – This course is a hands-on introduction to Internet terminology, search tools, e-mail, downloading files, security, and Web-based tools. Students also learn how to design and create web pages with HTML. Topics include creating web pages that contain hyperlinks and tables. Prerequisite or co-requisite: CS 11033 Computer Fundamentals.

CS 21423 INTERNET APPLICATIONS II -- WEB PAGE DESIGN – This course is designed to allow students to create web pages utilizing more advanced HTML features such as forms, cascading style sheets, and multimedia. Students also learn to create Web pages using the Java Script language and work with Java Script objects and events. This course also introduces students to other Web page authoring software. Prerequisite: Grade of “C” or better in CS 21383 Internet Applications I.

CS 21443 PC HARDWARE AND SOFTWARE I – In this course, students are introduced to the fundamentals of supporting and troubleshooting computer hardware and software. This course in conjunction with PC Hardware and Software II maps fully to CompTIA’s latest A+ Exam objectives. Prerequisite: CS 11533 Introduction to Computer Information Systems or dean approval. Spring

CS 21453 PC HARDWARE AND SOFTWARE II – This course is a continuation of PC Hardware and Software I and expands the student’s knowledge and skills in supporting and troubleshooting computer hardware and software. This course in conjunction with PC Hardware and Software I maps fully to CompTIA’s latest A+ Exam objectives. Prerequisite: CS 21443 PC Hardware and Software I. Fall

CS 21463 WEBSITE DEVELOPMENT - This course introduces students to designing and developing webpages and websites using HTML features such as forms, cascading style sheets, and multimedia. Students also create webpages using the JavaScript language. In addition, students are introduced to popular webpage editing software and webpage design languages. Prerequisite: CS 11033 Computer Fundamentals. Fall

CS 21473 FUNDAMENTALS OF NETWORK SECURITY - This course provides an introduction to the fundamentals of network security, including compliance and operational security; threats and vulnerabilities; application, data, and host security; access control and identity management; and cryptography. The course also covers new topics in network security, including psychological approaches to social engineering attacks, Web application attacks, penetration testing, data loss prevention, cloud computing security, and application programming development security. The course objectives cover the CompTIA Security+ Certification Exam. Prerequisite: CS 21333 Networking II. Spring

## **CONSTRUCTION TECHNOLOGY**

CT 17003 CONSTRUCTION CRAFT SKILLS—This course includes modules for building foundation skills in construction and provides the tools necessary for achieving workplace success. It focuses on the hand and power tools safety and proper usage. An introduction to construction math and employability skills is also covered.

CT 17014 CONSTRUCTION TECHNOLOGY I—This course builds on the student’s skills in job-site, construction math, and hand/power tools. Students will also develop skills in rigging techniques and the safe assembly and use of scaffolding. Additional skills will include the operation and maintenance of light construction equipment used on the construction site including the skid steer, aerial lift, forklift, scissor lift, generators, compressors, and compactors.

CT 17024 CONSTRUCTION TECHNOLOGY II—This course is a companion to Construction Technology I and shall provide the student the opportunity to develop skills in site layout, form setting and placement, rebar layout and placement, and the pouring and finishing of concrete. Additional skills will include the use and maintenance of the cut-off saw and the rebar bender.

## **CRIMINAL JUSTICE**

CJ 15003 INTRODUCTION TO CRIMINAL JUSTICE – This course is a study of history, development, and philosophy of law enforcement in a democratic society. The course includes an introduction to agencies involved in the administration of criminal justice and provides career orientation. ACTS equivalent course number is CRJU1023. Fall

CJ 15013 INTRODUCTION TO CORRECTIONS – This course is a study of correctional facilities. The purpose and objective is to provide the student with an analysis of the development of correctional systems in terms of organization, administration and function, and to evaluate the effectiveness of modern theoretical foundations and goals of the correctional system. Spring

CJ 15033 INTRODUCTION TO JAIL STANDARDS – This course provides certification for Arkansas jailers. Topics include: Ethics, stress, constitutional rights of prisoners, escape prevention, search of a person, standards, courtroom testimony, communications skills, report writing, prisoner transport, cell searches, special needs inmates, and fingerprinting. This course is taught in a seminar format, using the lesson plan provided by the Arkansas Law Enforcement Training Academy. Traditional students who can fit it into their schedule are invited to take this course as an elective; however, it is primarily geared toward personnel who are within their first year as a jail employee.

CJ 15093 CRIMINAL JUSTICE ETHICS – This course is a study of the ethical aspect of the criminal justice system. The idea is to introduce the student to ethical decision-making in the criminal justice system. The course includes an introduction to ethics, the basic principles behind moral and ethical decisions, and how these concepts are applied to all aspects of the criminal justice system. Spring

CJ 15103 TERRORISM – This course examines domestic and international terrorism, including the historical and philosophical underpinnings of terrorism in general and identified terrorist organizations in particular. Also examined will be the religious ideologies used to justify terrorism as well as the social, political, economic, psychological and legal impacts of terrorism in addition to methods of counter- terrorism. The course will discuss general methods by which terrorism might be confronted and America's specific response to domestic security issues in light of the September 11, 2001 attacks.

CJ 25013 CRIMINAL INVESTIGATION – This course is an in-depth study of the nature and purpose of investigation. The tools employed and the reasoning and techniques useful in the reconstruction of criminal activity will be discussed. Attention is also given to interrogation and special investigation techniques. Fall

CJ 25023 CRIMINAL EVIDENCE – This course provides an overview of criminal trial procedures; evidence; constitutional rights; presumption, relevance; expert testimony; testimonial privileges; hearsay, confessions; and impeachment. Emphasis will be given to the Arkansas and Federal Rules of Evidence. Spring

CJ 25053 CRIMINAL LAW AND PROCEDURE – This course is an introduction to the study of criminal, common statutory laws, and evidentiary rules within the context of enforcement and admissibility. Particular emphasis will be placed upon the Arkansas Criminal Code and Rules of Criminal Procedure, and recent decisions of the Arkansas and United States Supreme Court. Fall

CJ 25XX3 BASIC LAW ENFORCEMENT/CORRECTIONS – The Police Academy or Basic Corrections Academy in-service training is provided for police officers to meet the needs of law enforcement today. It provides practical training in note taking, ethics, jurisdiction, law, traffic, arrest, investigation, evidence, firearms, testifying, detention, report writing, race relations, drugs, criminalistics, patrol techniques, communications, photography and contemporary police problems and issues. Successful completion of the Basic Police Training Course at most law enforcement training academies will be evaluated, with three hours of elective college credit to be given for each 90 clock hours of academy training. A maximum of nine hours of elective college credit may be given to the student designated as: CJ 25033 BASIC LAW ENFORCEMENT/CORRECTIONS I and/or CJ 25043 Basic Law Enforcement/Corrections II, and/or CJ 25003 Basic Law Enforcement/Corrections III. **All students requesting credit must be currently employed in law enforcement or corrections.**

CJ 25063 COMMUNITY CORRECTIONS – This course provides an analysis and evaluation of the concept of punishment and rehabilitation through probation, parole, diversion, shock treatment, and other measures outside of traditional incarceration. It is also a study of the development, organization, operation and results of probation and parole.

CJ 25093 FORENSIC SCIENCE – This course introduces students to crime scene technology, procedures

for sketching and diagramming crime scenes, and using casting materials. It also surveys the concepts of forensic chemistry, fingerprint classification/identification and other latent techniques, drug identification, hair and fiber analysis, death investigation techniques, thin-layer chromatography methods and examination of arson materials. Students may be assigned laboratory times as well. Fall

CJ 25143 JUVENILE LAW AND PROCEDURES - This course gives the student an overview of the procedure for dealing with juvenile violators from a law enforcement prospective. It explores the differences between juvenile offenders charged as juveniles, juvenile offenders charged as adults, and adult offenders as well as pure "status offenses," which only apply to juveniles. Fall

CJ 25163 FRONTLINE LAW ENFORCEMENT SUPERVISION - This course is designed to prepare law enforcement professionals employed or desirous of employment in positions of frontline leaders and supervisors to lead, motivate, discipline, and evaluate employees. CJ 25193 POLICE AND SOCIETY – This course is a survey and overview of policing in the United States. It includes a description of the historical development of modern policing, the structure and organization of the police in the United States, and an assessment and analysis of policing in America. In addition, this course explores basic police patrol operations and procedures covering both routine and emergency situations. Spring

CJ 25993 SPECIAL TOPICS IN LAW ENFORCEMENT – This workshop is designed primarily for in-service personnel. It allows the student to focus on current problems and issues, and then develop strategies to provide more effective services and solutions. The topics will be specific to law enforcement and the course will only be offered on a case by case basis for elective credit.

## **DENTAL ASSISTING**

DA 19011 DENTAL SCIENCE - This course includes instruction on dental anatomy: the study of the development of the head and neck, face, and oral cavity, the form and function of the structures of the oral cavity. This course also includes disease transmission/infection control, which is a unit that prepares students with the knowledge and skills to prevent disease transmission through infection control procedures preparing the student for the ICE (Infection Control Exam) portion of the Dental Assisting National Board certification exam.

DA 19042 DENTAL CLINICAL SCIENCE I - Includes an orientation of the dental profession, which is historical information on the dental profession from early times to the present. Basic information concerning education and licensure of the dentist and each member of the dental health team with emphasis on the dental assistant is included. A unit on legal and ethical aspects of dentistry introduces the ethical principles and laws that pertain to the state and national practices of dentistry, including the dentist and all members of the dental health team. In the unit on medical and dental emergencies, the fundamental principles, skills, preventive measures and knowledge to function effectively in various emergency situations that may arise in the dental office are studied. Cardiopulmonary resuscitation (CPR) training for certification and registration is included.

DA 19022 DENTAL BIOMEDICAL SCIENCE - This course includes the study of anatomy and physiology, which introduces the student to basic structure and function of each system of the body and their contributions to the body as a whole. Emphasis is placed on anatomical structures of the head and neck and their effect on chewing, salivation, circulation, and respiration. A unit on microbiology/oral pathology includes historical contributions to the study of micro-biology, recognition of and growth patterns, and means of destruction. Body defense to inflammation, healing and repair, various types of lesions of the oral cavity, including cancer, and secondary oral disorders is also included. The study of therapeutics includes a brief history of drugs, methods of administration, drug effects, and commonly used drugs in the treatment of oral lesions, anxiety, and pain control.

DA 19003 CHAIRSIDE ASSISTING I - Provides background knowledge for clinical practice and prepares students to develop competence in performing assignments in general dentistry, including an introduction to the dental specialty practices preparing the student for the Chairside portion of the Dental Assisting National Board certification exam.

DA 19033 DENTAL MATERIALS I - Provides students with an understanding of dental materials used in intraoral and lab procedures, including experience in manipulation.

DA 19061 PREVENTIVE DENTISTRY - This course prepares students to provide oral health instruction, focusing on prevention to include: basic nutritional counseling, coronal polish, and sealants.

DA 19052 DENTAL RADIOLOGY I - Students receive a fundamental knowledge of the basic principles of radiation physics to produce x-rays, biological effects of ionizing radiation, safety, radiographic quality assurance, exposure techniques, processing, mounting, and evaluation of finished radiographic films.

DA 19093 DENTAL CLINICAL SCIENCE II - Introduces the student to applied psychology, principles of the psychological aspects of behavior of the dental patient during treatment, communication between the dentist, patient, and members of the dental health team. Stress-coping mechanisms, verbal, and nonverbal communication is emphasized. The Practice Management course is to provide information and practice in performing general duties in the typical dental business office. The unit includes maintaining financial records, job application, and gaining and maintaining employment.

DA 19073 CHAIRSIDE ASSISTING II - A continuation of DA 19004. This course provides the student knowledge with an emphasis on dental specialty practices and improving competency in chairside procedures. This course will cover all nine of the dental specialties preparing the student for the Chairside portion of the Dental Assisting National Board certification exam.

DA 19082 DENTAL MATERIALS II - A continuation of DA 19033. This course provides students with an opportunity to gain competence in the manipulation of dental materials. The emphasis of this course will be in the lab setting improving the techniques of temporary crowns, study models and bleaching trays.

DA 19102 DENTAL RADIOLOGY II - A continuation of DA 19053. This course provides students with an opportunity to gain competence in exposure, developing, and interpretation skills of dental radiographs. The students will be exposing and processing a complete radiographic series on a patient under the direct supervision of the instructor. Upon successful completion of DA 19052 Dental Radiology I and DA 19102 Dental Radiology II the student will meet the requirements to sit for the Radiography portion of the Dental Assisting National Board.

DA 19112 DENTAL CLINICAL EXPERIENCE I - Students perform dental assisting duties in off-campus facilities under the supervision of a dentist and his/her staff. This begins in the sixth week of the second semester, Tuesday and Thursday of each week for approximately eight hours a day accumulating 64 hrs. During this part of the clinical training the student will be rotated through various dental specialty offices and general offices.

DA 19123 DENTAL CLINICAL EXPERIENCE II - A continuation of DA 19112. The students will continue to perform dental assisting duties in off-campus facilities under the supervision of a dentist and his/her staff. This begins in the sixth week of the second semester, Monday through Thursday of each week for approximately eight hours a day accumulating 72 hrs. Class time will be scheduled on a Friday. During this part of the clinical training the student will be rotated through various dental specialty offices and general offices.

DA 19136 DENTAL CLINICAL EXPERIENCE III - During the last semester of the year, the student will finish the clinical practice in one office, Monday through Friday of each week for six weeks. On scheduled Fridays, the students will return to campus seminars and instruction. Upon successful completion of DA 19136 Dental Clinical Experience III the student is eligible to sit for the Chairside portion of the Dental Assisting National Board certification exam, completing the testing of the three components (Radiography, Infection Control and Chairside Assisting) of Certified Dental Assistant (CDA)

## **ECONOMICS**

EC 21003 MACROECONOMICS – This course is a study of how economic systems operate, with much stress placed on money, banking, and national income. It is designed to increase awareness of economic

problems and encourage the student to analyze alternative solutions. Resource allocation in International Trade is investigated. Prerequisite: Grade "C" or better in MA 14043 College Algebra or MA 14093 Mathematical Applications for Business. ACTS equivalent course number is ECON2103. Fall

EC 21013 MICROECONOMICS – This course is a study of how market participants interact to allocate scarce resources to the production of goods and services. Particular emphasis is placed on production cost and revenue and how these factors determine the firm's output. Market conduct, the economics of human resources and social problems, and alternate economic systems are investigated. Prerequisite: Grade "C" or better in MA 14043 College Algebra or MA 14093 Mathematical Applications for Business. Spring.

EC 21023 SURVEY OF ECONOMICS – This course introduces the basic concepts of microeconomics and macroeconomics. It is an overview course that focuses on how economic systems affect economic outcomes. The economic way of thinking is utilized to explore alternative solutions to the economic problems faced by the private and public sectors at both the macroeconomic and microeconomic levels. Prerequisite: Grade "C" or better in MA 14093 Mathematical Applications for Business or MA 14043 College Algebra.

## **EDUCATION**

ED 13013 CURRICULUM AND MATERIALS FOR PRESCHOOL - A wide variety of classroom activities for preschool will be presented. The program is designed to promote developmentally appropriate practices that are creatively expressed in all areas of curriculum. This course will also provide the student with practical "hands-on" experience to develop materials and methods related to the study of preschool child care. A "curriculum unit" pertinent to the child care profession will be produced. This course is only offered in the Fall semester.

ED 13023 HEALTH/SAFETY/NUTRITION - Three major topical areas are addressed in this course: children's health; safety concerns and management; and nutrition. Emphasis is on the important role teachers play in promoting children's health and fostering their development of healthy attitudes, values, and practices. Basic fundamentals of good health and first aid will be explored as well as preventive measures. The students will prepare and present "curriculum units" on related topics. This course is only offered in the Spring semester.

ED 13043 CHILD GUIDANCE - Students will examine factors that affect the behavior and guidance techniques in group child care settings. Units on developmental factors, indirect guidance, and direct guidance and strategies will be studied. Emphasis will be on "Positive" Child Guidance. The students will explore "Bibliotherapy", the use of literature to promote mental health. This course is only offered in the Spring semester.

ED 13053 CURRICULUM AND MATERIALS FOR INFANTS AND TODDLERS -During this course, students will come to understand how to create goals and plans for every day routines and create developmentally appropriate activities for quality infant/toddler programs. These Classroom activities and experiences include the areas of art, literature, music, and movement. Also, the types of play, sand and water, and outdoor activities will be studied. A file box of student made materials and a collection of lesson activities will be produced and presented. This course explains the aspects of a developmentally appropriate program and leads students through the process of planning and implementing every aspect of caring for and teaching infants and toddlers. This course is only offered in the Spring semester.

ED 13063 PROGRAM PLANNING AND MANAGEMENT - This course includes planning and administering a day care program, personal practices, facility development and maintenance, laws and licensing regulations of day care centers and family homes. Guest speakers will share experiences and information. This course is only offered in the Fall semester.

ED 13083 FOUNDATIONS OF EARLY CHILDHOOD EDUCATION –This course is designed to acquaint the student with the historical roles of families in their child's development. The student will become familiar with the theories that early childhood education is based upon and learn how to develop an

effective program designed uniquely for children ages birth to five. The student will also obtain knowledge of state and federal laws pertaining to the care and education of young children. The course content is based upon guidelines established by the Council for Early Childhood Professional Recognition. This course is offered in the Fall in Spring semesters.

ED 13093 CHILD GROWTH AND DEVELOPMENT –This course focuses on children ages birth to eight and covers all aspects of a child’s physical and cognitive growth and socio-emotional development. The students will be introduced to ways to observe and evaluate children’s development and recognize possible delays in development. The course content is based upon guidelines established by the Council for Early Childhood Professional Recognition. This is part of the CDA Certificate Program.

ED 13103 ENVIRONMENTS FOR YOUNG CHILDREN – This course is designed to provide the student with a broad knowledge based on how to design a program for children developing both typically and atypically. The course provides the opportunity to plan environments that are physically and emotionally secure. The students will plan and implement activities that are age, stage and culturally appropriate for children from birth to age five. The course content is based upon guidelines established by the Council for Early Childhood Professional Recognition. This is part of the CDA Certificate Program.

ED 13111 CDA ESSENTIALS – A lab course designed to help students seeking the CDA prepare for the application process. Students will be given computer time to help create the CDA portfolio, and record documents in relation to the CDA competency standards. Students learn to organize and document items that are needed for the CDA portfolio presentation. Students will be instructed on the application process and other necessary steps needed to obtain the CDA from the CDA council in Washington, D.C.

ED 13123 CHILD CARE PRACTICUM AND ORIENTATION – This course is designed for students who are assuming responsibility of a childcare worker under the guided supervision of a child care center director or early childhood teacher. The student will be required to document 480 clock hours in his/her place of employment as required by the Council for Early Childhood Professional Recognition. This is part of the CDA Certificate Program.

ED 13143 LITERACY AND LANGUAGE ARTS FOR EARLY CHILDHOOD – This course is designed to make the early childhood educator aware of the acquisition of language, and how to provide children birth through pre-kindergarten, including children with special needs with language rich environments by incorporating the four areas of language: speaking, listening, writing, and reading. Different genres of children’s literature will be explored with activities that promote literacy at school and in the home. This course is only offered in the fall semester, and is a requirement for the A.A.S. in Early Childhood Education.

ED 13152 ADVANCED FIELD EXPERIENCE –An introductory course designed for those students who plan to work with children ages birth through pre-kindergarten. This class will include lecture and field based activities that allow the student to observe: environment, personal care, routines, activities, interactions, and other facets of early childcare center daily operation. The class includes 30 hours of observation in a HeadStart facility. Students must have a cleared background check and a child maltreatment background check prior to class beginning. This class is offered in fall and spring, and is for students working toward the CDA or A.A.S. in Early Childhood Education.

ED 13163 MATH AND SCIENCE FOR EARLY CHILDHOOD – This course is designed to make the early childhood educators familiar with a variety of ways to introduce children birth through pre-kindergarten, including children with special needs to concepts related to math and science that are essential to a basic understanding of math and science. Fundamental concepts, skills, and applications will be covered, that are aligned to recognized standards of NCTM and NAEYC. This course is only offered in the spring semester, and is a requirement for the A.A.S in Early Childhood Education.

ED 13173 FUTURE PERSPECTIVES IN EARLY CHILDHOOD (capstone course) – This course introduces students to current research in the field of Early Childhood Education. Students will develop a knowledge base of the NAEYC code of conduct through analyzing case studies designed to demonstrate competencies of current research and practice. The development of a portfolio will demonstrate the skills

related to NAEYC standards. This course should be taken in the last semester of the A.A.S. degree plan coursework.

**ED 23003 INTRODUCTION TO ELEMENTARY EDUCATION** – An introductory course designed for those students who plan to teach on the Pre-K-4<sup>th</sup> grade and Mid-level (4-8 grades). The course includes lecture and field-based laboratory experience and is designed to meet the new standards for accreditation established by the National Council for Accreditation of Teacher Education. This class includes 30 hours of observation in the public schools and/or Head Start program. This course is offered in the Fall in Spring semesters.

**ED 23013 EARLY CHILDHOOD EDUCATION** – A survey of the history, curriculum, and program development of early childhood education from birth to age eight. Includes seven (7) hours of field study. This course is offered in the Fall in Spring semesters.

**ED 23023 CHILDREN'S LITERATURE** – This course is designed to prepare pre-service teachers in becoming widely acquainted with the different genres in literature and the wealth of quality books available for children. Students will become more knowledgeable about the role literature plays in enticing, motivating, and instructing children, enabling them to make informed, creative decisions regarding the utilization of literacy materials for children. Book talks, creative alternatives to book reports, Internet activities, read-a-louds, critiques, and questioning techniques will be included in the course content. The major course project involves the development of a resource tool for children's and adolescent's literature. The overall focus for this course is to illuminate children's books and the overall use of them. This course will not transfer to a four-year institution. This course is only offered in the Fall semester.

**ED 23033 SURVEY OF EXCEPTIONAL CHILDREN** – An introduction to the causes, effects, and education of children who deviate from the normal in physical, emotional, mental, and social characteristics. This course includes ten hours observation in exceptional classrooms. This class is intended for students in the Associate of Applied Science in ECE degree only and not the AS in CE degree (the transfer degree). This course is only offered in the Spring semester.

**ED 23053 CHILD DEVELOPMENT** - This course is a study of relevant child development data, encompassing development from conception to the middle childhood year. Practical application of theory is provided through a variety of hands-on experiences and observations. A multicultural emphasis is placed on development of children so that one can better understand the heterogeneous make-up of a typical classroom. This class includes five (5) hours of classroom observation. This course is offered in the Fall in Spring semesters.

**ED 23103 INTRODUCTION TO EDUCATION TECHNOLOGY** - Teachers/education interns operating and working in the school system are required to use and operate computers for individual and student use. This course will allow students to extend the education needs of the classroom to a higher level of thinking skills. This course will cover basic computer terminology and hands-on computer training in a popular software suite. Students will gain experience using Windows, word processing, spreadsheets, the Internet and presentation software. This course is the prerequisite to Integrating Technology in the Classroom. Corequisite: Demonstrate key-boarding ability of 20 words per minute. This course is offered in the Fall in Spring semesters.

**ED 23113 PRAXIS PREP** - This three-hour credit course provides strategies and tools to help students meet the expectations of the PRAXIS I, a three-part state exam, required as part of the qualifying and certification process for pre-education students. It consists of three modular sections: Mathematics, Reading, and Writing. In addition, students will be provided with standardized test-taking strategies.

**ED 23123 MULTIMEDIA IN THE CLASSROOM** - This course is designed to introduce the student to multimedia technology applicable to instruction in elementary, secondary, and adult classroom settings. Students will learn how to use course management software, graphic editing software, and multimedia authoring tools. Students will create HTML files using word-processing software and upload them to the Web. Demonstrations of current technology tools (digital cameras, camcorders, handheld devices) will help the student learn which tools are best suited for his or her instructional needs. Project-based



exercises help ensure student success. Prerequisite: ED 23103 Introduction to Educational Technology or CS 11033 Computer Fundamentals or basic skills in word processing and presentation software (i.e., Microsoft Word and Microsoft PowerPoint or Word Perfect and Corel Presentations).

ED-23133 CHILD GROWTH AND LEARNING—This course involves the development of the elementary grade child, including major theories of development and learning, with a focus on how these are influenced by the child's sociocultural environment. Four clock hours of child study projects are required. All education and early childhood majors will take this course.

## **ELECTRICAL**

EL 15003 BASIC ELECTRICITY I – This is an introductory course on the fundamentals of electricity and basic circuits. Topics covered include basic direct current (DC) series and parallel circuits, voltage, current, Ohm's Law, resistors, and electromagnetism. Coursework includes hands-on applications with basic electricity training equipment. Compass Requirements: Math 17, English 19, Reading 44, ACT Requirements: Math 13, English 11, and Reading 11.

EL 15013 BASIC ELECTRICITY II - This course expands upon Basic Electricity I by introducing the concept of alternating current (AC), capacitors, inductors, AC power, reactance, and power factor. Single-phase electricity is studied as well as measurement techniques. Coursework includes hands-on applications with basic electricity training equipment. Prerequisites: EL 15003 Basic Electricity I.

EL 15023 APPLIED ELECTRICITY & ELECTRONICS – This laboratory-based course provides a study of electrical laws and principles pertaining to DC and AC circuits. Topics covered include current, voltage, resistance, power, inductance, capacitance, and transformers. Applied activities will stress the use of standard electrical tests, electrical equipment, and troubleshooting procedures. Safety procedures and practices are emphasized. Prerequisites: EL 15003 Basic Electricity I.

EL 25003 AC/DC MACHINES - This course introduces the fundamental operation of both static and rotating electrical machines. These include motors, generators, and transformers which all operate on the principles of magnetic induction. Single-phase and three-phase motors and transformers are covered in theory and operation. Coursework includes hands-on applications with AC motors and transformers. Prerequisites: EL 15013 Basic Electricity II

EL 25013 INDUSTRIAL MOTOR CONTROLS I - This course provides the student with a thorough understanding of the theory and operations of electric motor controls. Complete electrical control systems are studied including basic principles of electric motor control, circuit layout and connections, control pilot devices, and basic control circuits. The theory and operation characteristics of motor controls are verified through lab experiments. Prerequisites: EL 15013 Basic Electricity I

EL 25023 INDUSTRIAL MOTOR CONTROLS II - This course continues the study of the principles of the theory and operation of industrial motor controls. Coursework includes AC reduced voltage starters, three-phase multi-speed controllers, wound rotor motor controllers, synchronous machine controls, DC controllers, rectifier circuits, and electronic power controls. The theory and operation characteristics of motor controls are verified through lab experiments. Troubleshooting skills are developed through a number of controlled faults incorporated into the lab experiments. Prerequisites: EL 25013 Industrial Motor Controls I and EL 25003 AC/DC Machines

EL 25033 PROGRAMMABLE LOGIC CONTROLLERS - A study of basic PLC hardware and programming used for controlling machines and processes in industry. Emphasis will be placed on the operation and use of programmable logic controllers (PLC). Also included will be the interfacing between low voltage control circuits and higher voltage machines. Troubleshooting of these controls will be included. Prerequisites: EL 25013 Industrial Motor Controls I

EL 25043 INTRODUCTION TO ELECTRONICS - This course is a study of the basic principles of electronic theory and applications. Topics covered include diode basics, rectifier circuits, amplifiers,

oscillators, MOS and junction transistors, and SCRs. Experimentation is used to reinforce discussions.  
Prerequisites: EL 15013 Basic Electricity II

EL 25053 INTRODUCTION TO DIGITAL ELECTRONICS - This course is a study of the basic principles of digital electronics theory and applications. Topics covered include logic gates, numbers used in digital electronics, interfacing, counters, encoding, decoding, shift registers, flip-flops, memory, and digital systems. Prerequisites: EL 25043 Introduction to Electronics

EL 25063 ADVANCED PLC - This course introduces the student to more advanced programming and application topics related to PLCs. Timer and counter applications will be covered as well as numerous troubleshooting topics, application development, and documentation. More advanced programming projects will be required using practical application scenarios. Prerequisites: EL 25033 Basic Programmable Control Logic Controllers.

EL 25073 INSTRUMENTATION AND CONTROL SYSTEMS - This course provides a technician-level approach to the field of instrumentation and process control. Topics include: open and closed-loop systems, pressure instrumentation, temperature control, flow and level control, analytical instrumentation, instrument calibration, and controller tuning. Control and data acquisition topologies will also be covered. Prerequisites: EL 15003 Basic Electricity I.

EL 25083 AC VARIABLE SPEED DRIVES - This course provides coverage of electric motor drive theory, operation, and applications. Installation, basic programming, and troubleshooting techniques are integrated into the course. Drive selection and startup procedures will also be covered. Prerequisites: EL 25003 AC/DC Machines and EL 25013 Industrial Motor Controls I. ACT requirement: 11 Reading & 13 Math or equivalent COMPASS requirement.

## **EMERGENCY MEDICAL**

EM 18008 EMERGENCY MEDICAL TECHNICIAN – This program trains students to recognize, assess, and manage medical emergencies of acutely ill or injured patients in a prehospital care setting. Students in this program are required to participate in a field internship; 48 hours in the emergency room and 24 hours at an ambulance service. After successful completion of the program, students are eligible to take the National Registry Certification Exam.

EM 18017 PREPARATORY FOR PARAMEDICS – This course is a combination of classroom and clinical laboratory instruction centered on important areas of the pre-hospital environment to include: an introductory study of modern Emergency Medical Services, basic principles, procedures, and techniques of emergency care along with patient assessment and concepts regarding legal /ethical, care delivery, technologies and patient / family expectations.

EM 18046 MEDICAL EMERGENICES FOR PARAMEDICS I WITH LAB – At the completion of this course, the Paramedic student will be provided the opportunity to integrate patho-physiological principles and assessment findings to formulate a field impression and implement a treatment plan for patients experiencing medical emergencies in the pre-hospital care environment, involving the respiratory, cardiac and nervous systems.

EM 18054 MEDICAL EMERGENICES FOR PARAMEDICS II WITH LAB – At the completion of this course, the Paramedic student will be provided the opportunity to integrate patho-physiologic principles and assessment findings to formulate a field impression and implement a treatment plan for patients experiencing medical emergencies in the pre-hospital care environment, involving the endocrine, gastroenterological, renal/urinary and gynecologic systems, including toxicological emergencies.

EM 18063 MEDICAL EMERGENICES CLINICAL FOR PARAMEDICS – This clinical course allows Paramedic students to demonstrate, assist and perform skills learned from previous course work, (EM 18046 Medical Emergencies for Paramedics I with Lab & EM 18054-Medical Emergencies for Paramedics II with Lab), under supervision in a hospital setting.

EM 18074 TRAUMA FOR PARAMEDICS WITH LAB – At the completion of this course, the Paramedic student will be able to integrate the principles of kinematics to enhance the patient assessment and predict the likelihood of injuries based on the patient's mechanism of injury. Management and treatment of traumatic injuries will include; hemorrhage/shock, soft tissue trauma, burns, head/facial trauma, spinal trauma, thoracic trauma, abdominal trauma, and musculoskeletal trauma.

EM 18092 PARAMEDIC FIELD CLINICAL – This clinical course will provide Paramedic students the opportunity to obtain supervised field experience in a pre-hospital setting. The clinical setting changes from the hospital as experienced in the Medical Emergencies Clinical for Paramedics course to an ambulance environment capable of providing advanced life support.

EM 18124 PARAMEDIC OPERATIONS MANAGEMENT WITH LAB – Paramedic Operations Management with Lab provides a blending of student learning methodologies that consist of classroom, online and clinical laboratory instruction centered in the area of the pre-hospital environment including the instruction in pre-hospital care management. This capstone course prepares students to become prehospital care providers by performing in an operations role within the EMS system utilizing concepts of medical direction and protocols, rescue, and mass casualty response.

EM 18092 PARAMEDIC CLINICAL I – Paramedic Clinical I provide students supervised clinical experiences while under supervision of an assigned preceptor and/or clinical coordinator, while applying basic and advanced assessment skills and procedures in the acute care setting of the operating room and labor delivery room, along with a community rotation in the public health department. Students also complete a required 12 hour emergency room rotation under the direct supervision of ANCs Paramedic Medical Director.

EM 18132 PARAMEDIC CLINICAL II – Paramedic Clinical II provide students supervised clinical experiences while under supervision of an assigned preceptor and/or clinical coordinator, while applying basic and advanced assessment skills and procedures in the acute care setting of the respiratory department, psychiatric unit, critical care ICU. Students also complete a required 12 hour emergency room rotation under the direct supervision of ANCs Paramedic Medical Director.

EM 18146 PARAMEDIC FIELD INTERNSHIP – This course allows the Paramedic student a supervised experience in the pre-hospital care setting. During this internship, the student will have the opportunity to apply knowledge and skills learned during their previous coursework. The student will also have the opportunity to serve as a team leader on an advanced life support unit.

## ENGLISH

EN 10013 TECHNICAL COMMUNICATIONS—This course covers a broad range of topics with emphasis on competencies required in the employment setting. Students practice listening, speaking and writing techniques useful in finding, applying for, and getting a job. The course includes an introduction to human relations, verbal and non-verbal communication, contemporary employee rights, substance abuse, team building, and self-growth.

EN 12003 ENGLISH COMPOSITION I—This course encourages students to write with purpose and express their ideas logically in writing. The course integrates reading and writing and emphasizes acceptable grammatical options, appropriate usage, sentence and paragraph variety, organizational patterns, and adequate content. Prerequisites: An ACT English score of 19 or above **or** a COMPASS Writing score of 80 **or** above **and** a COMPASS Reading score of 83. (Note: Students scoring below 80 in Writing **or** 83 in Reading must enroll in Composition I ALP with a lab.)

EN 12003 ENGLISH COMPOSITION I WITH ALP (ACCELERATED LEARNING PROGRAM)—This course encourages students to write with purpose and express their ideas logically in writing. The course integrates reading and writing and emphasizes acceptable grammatical options, appropriate usage, sentence and paragraph variety, organizational patterns, and adequate content. Prerequisites: An ACT English and Reading score of 17-18 or a COMPASS Writing score of 67-79 and a COMPASS Reading

score of 77-82, or a grade of "C" or better in Fundamentals of Language and a COMPASS Writing score of 80 or above on the post-test in Fundamentals of Language.

EN 12013 ENGLISH COMPOSITION II – A continuation of English Composition I with emphasis on more advanced composition, reading, and rhetorical skills. The research paper will also be part of the semester's study. Prerequisite: Grade "C" or better in EN 12003 English Composition I or English Composition I (ALP) Students must earn "C" or better in this course to earn an associate degree. ACTS equivalent course number is ENGL1023.

EN 22003 WORLD LITERATURE I – Emphasis will be on the reading and discussion of outstanding works selected to represent a variety of forms, centuries, peoples, and philosophies of the world before 1650. Prerequisite: ACT score of 19 or above in English or an 80 or above on the COMPASS Writing test or a grade of "C" or better in English Composition I. ACTS equivalent course number is ENGL2113.

EN 22013 WORLD LITERATURE II – A continuation of World Literature I in which the emphasis will also be on the reading and discussion of outstanding works selected to represent a variety of forms, centuries, peoples, and philosophies of the world from 1650 to the present. Prerequisite: ACT score of 19 or above in English or an 80 or above on the COMPASS Writing test or a grade of "C" or better in English Composition I. World Literature I and World Literature II do not have to be taken in sequence. ACTS equivalent course number is ENGL2123.

EN 22023 CREATIVE WRITING - A course designed for students who have a desire to write original poetry and fiction. Emphasis will be placed on the student's interest and skills as a writer with the intent of developing and broadening them.

EN 22033 ENGLISH LITERATURE I - A survey of English Literature which covers the major works from Beowulf through the Eighteenth Century. Emphasis will be on the relationship of the works to literary and intellectual movements.

EN 22043 ENGLISH LITERATURE II - A continuation of English Literature I. This course will encompass the major works from the Eighteenth Century to present. Emphasis will also be on the relationship of the works to literary and intellectual movements.

EN 22053 OLD TESTAMENT LITERATURE - A course that introduces students to the literature of the Old Testament. Biblical theory and doctrinal positions will not be considered with the hope that the student will become familiar with background material, authors of the books, dates, etc. Some time will be spent studying life and times of the Old Testament.

EN 22063 NEW TESTAMENT LITERATURE - A course that aids students in understanding the New Testament from a literary and historical perspective.

EN 22073 AFRICAN-AMERICAN LITERATURE - The approach in African-American Literature will be toward involving students in a lively study and discussion of great works of literature by African-American writers, past and present. This study will take a chronological/historical perspective, stressing the important writers and genres in each historical period.

EN 22083 INTRODUCTION TO POETRY AND DRAMA – This course is designed to help students understand the basic elements of poetry and drama with an emphasis on increasing the student's reading, writing, and analytical skills. The course will concentrate on a variety of poems and specific plays that reveal the emotion, ideas, and changes throughout history.

EN 22093 INTRODUCTION TO FICTION – This course is designed to help students understand the basic elements of the short story with an emphasis on increasing the student's reading, writing, and analytical skills. The course will concentrate on a variety of literature, including multi-cultural works by a diverse group of authors, revealing the emotions, ideas, and changes throughout history. Prerequisite: Grade of "C" or better in EN 12003 English Composition I.

## **ENVIRONMENTAL SYSTEMS**

ES 15003 INDUSTRIAL SAFETY ADMINISTRATION - This is a course dealing with the role of the safety professional, social, legislative and regulatory requirements as well as the concepts of hazard recognition, evaluation and control. Safety and health legal issues facing industry in dealing with federal regulations will be covered and what companies must do to comply will be addressed.

ES 15011 INTRODUCTION TO FIRST AID - This course is designed to introduce student to basic first aid concepts and practices in the workplace. Practical application and examination will support lecture topics studied in the course, including cardiopulmonary resuscitation (CPR).

ES 15023 FIRST RESPONDER: MEDICAL - This course is designed to prepare a person to assist Emergency Medical Technicians & assess injuries and provide immediate care. This is the next step after Basic First Aid and CPR.

ES 15041 EMERGENCY RESPONSE PLANNING - This is an introductory course designed to prepare students to identify, evaluate, and control safety and health hazards. The course also provides an overview of emergency response activities.

ES 15051 ACCIDENT INVESTIGATION - This course is designed to equip the student with the knowledge and skill needed to conduct accident investigations and complete mandatory reporting as required by the Occupational Safety & Health Administration (OSHA). An overview of regulations will be provided and investigative procedures, problem solving techniques, and reporting will be studied.

ES 15061 HAZARDOUS MATERIALS - The application of Standard Operating Procedures (SOP) and Material Safety Data Sheets (MSDS) to chemical materials will be covered. Students will participate in the writing of a Hazard Communications program.

ES 15071 INDUSTRIAL RIGGING - This course provides hands-on training on the variety of methods available in the area of industrial rigging. Students will be provided classroom instruction as well as practical application and exercises.

ES 25023 ENVIRONMENTAL MANAGEMENT – This course introduces students to various industrial water treatment processes, as well as basic requirements and procedures for an air pollution control program. Treatment processes covered include boiler water, cooling water, and wastewater. Students will study emission-related compliance issues, pollution control equipment, and the calculation of basic air quality formulas and associated sampling. This course also explores noise level measurement, reduction, and regulatory compliance.

## **GEOGRAPHY**

GE 23003 INTRODUCTION TO GEOGRAPHY – A basic course emphasizing the major physical and cultural regions in the world. (Recommended for education majors.). Prerequisite: A grade of “C” or above in CP 02023 Fundamentals of Language/Lab or CP 02343 Introduction to Composition or an ACT score of 19 or better in English or a COMPASS score of 75 or above in English. ACTS equivalent course number is GEOG1103.

## **HISTORY**

HI 13003 WORLD CIVILIZATION TO 1600 – A survey of the major contributions to the development of global civilizations from ancient times to the early modern period. Emphasis is given to those people, movements, and ideas influential in the development of the modern world. Prerequisite: A grade of “C” or above in CP 02023 Fundamentals of Language/Lab or CP 02343 Introduction to Composition or an ACT score of 19 or better in English or a COMPASS score of 75 or above in English. ACTS equivalent course number is HIST1113.

HI 13013 WORLD CIVILIZATION SINCE 1600 – A survey of the development of modern industrial and urban society from its European base in the Seventeenth Century to its worldwide impact in the Twentieth Century. Prerequisite: A grade of “C” or above in CP 02023 Fundamentals of Language/Lab or CP 02343 Introduction to Composition or an ACT score of 19 or better in English or a COMPASS score of 75 or above in English. ACTS equivalent course number is HIST1123.

HI 23003 THE U.S. TO 1876 – A survey of the United States from pre-history to the end of Reconstruction. Topics covered include American Indian cultures, the impact of the “discovery,” the colonial period, the American Revolution, the political system, economics and territorial expansion, slavery and sectionalism, and the Civil War and Reconstruction. Prerequisite: A grade of “C” or above in CP 02023 Fundamentals of Language/Lab or CP 02343 Introduction to Composition or an ACT score of 19 or better in English or a COMPASS score of 75 or above in English. ACTS equivalent course number is HIST2113.

HI 23013 THE U.S. SINCE 1876 – A survey of the U.S. from Reconstruction to the energy crisis. Topics covered include industrialization, urbanization, immigration, populism, progressivism, the New Empire, World War I, Twenties, the Great Depression and the New Deal, World War II, the Cold War, the Civil Rights Revolution, Vietnam, and the energy crisis. Prerequisite: A grade of “C” or above in CP 02023 Fundamentals of Language/Lab or CP 02343 Introduction to Composition or an ACT score of 19 or better in English or a COMPASS score of 75 or above in English. ACTS equivalent course number is HIST2123.

HI 23023 ARKANSAS HISTORY – A study of the historical figures, places, major events, and social and economic factors which have influenced the historical growth and development of the state. This course is recommended for education majors. Prerequisite: A grade of “C” or above in CP 02023 Fundamentals of Language/Lab or CP 02343 Introduction to Composition or an ACT score of 19 or better in English or a COMPASS score of 75 or above in English.

HI 23033 AFRICAN-AMERICAN HISTORY – A survey of the total Black experience in America. Prerequisite: A grade of “C” or above in CP 02023 Fundamentals of Language/Lab or CP 02343 Introduction to Composition or an ACT score of 19 or better in English or a COMPASS score of 75 or above in English.

HI 23043 INTRODUCTION TO HERITAGE STUDIES – This course provides an introduction to the concerns and issues involved in the studies of heritage, tradition, historic preservation, public archaeology, folklore, history and preservation.

HI 23053 A MODERN GERMAN HISTORY—This course is a survey of modern Germany from the 1871 founding until the present. The class considers political, social, and cultural developments. Key topics include German Unifications, the Second Reich, both World Wars, Nazi rule and seizure of power, and the development of both East and West Germany.

## **HUMANITIES**

HU 12003 WORLD RELIGIONS —This course gives an introduction to the world’s religions, studying conceptual, worship and social factors of religious life from past to present.

HU 22003 HUMANITIES THROUGH THE ARTS – An integrated approach to the humanities through the study of literature, painting, music, sculpture, philosophy, and architecture as interrelated displays of human creativity. The student will be exposed to a variety of arts and ideas to develop a lifelong appreciation for the joy, beauty, and truth that are inherent in all the arts. Prerequisite: English Composition I.

HU 22043 INTRODUCTION TO WORLD MYTHOLOGY—This course surveys selected mythologies of the world, emphasizing their common origins and subsequent influence on human thought and expression. The course involves critical thinking, reading, and writing.

## **HEATING/VENTILATION/AIR CONDITIONING**

HV 17004 INTRODUCTION TO AIR CONDITIONING - This course contains a series of lectures and demonstrations on the history and development of refrigeration. General and specific safety rules and school procedures will be stressed. The identification and use of hand and special tools, as well as, principles of measurement using rules and micrometers, will be taught.

HV 17013 TUBING, PIPE, AND WELDING - This course covers the process of identifying tubing and piping with practical applications in sizing and fitting to different configurations using mechanical fittings, soft soldering, silver brazing, aluminum brazing, and equipment usage. Practical application is provided in the laboratory.

HV 17024 HVAC ELECTRICITY - This course provides a study of electricity, its effects, and its behavior. This knowledge of the fundamentals will prepare students to understand the construction and operation of electric motors, controls, and circuits used for refrigeration and air conditioning.

HV 17033 ELECTRICAL COMPONENTS AND MOTORS - This course teaches the characteristics of alternating current waves, phase relations, transfer action and its use with controls, motors and relay resistors. In addition, the student will study a wide variety of motors, single and three phase, used in the air condition and refrigeration field. Practical application is provided in the laboratory.

HV 17043 SCHEMATICS - The student will learn to read, draw, and interpret wiring diagrams, and place the circuitry in operative arrangements with electrical and electronic symbols. The student will develop systems diagrams for a variety of air conditioning and refrigeration equipment.

HV 17054 FUNDAMENTALS OF GAS AND ELECTRIC HEAT - This course provides the student with the basic components of gas and electric heating systems. Students will be required to identify components, disassemble and reassemble the various systems.

HV 17063 AIRFLOW DYNAMICS—This is a study of air properties and the instrumentation to meet the environmental needs of structures, residential and commercial, and the factors involved the calculation of heating and cooling loads. The distribution mediums such as duct design and sizing are studied. Application is provided.

HV 17073 RESIDENTIAL SYSTEMS - This course is a study of the major components and control devices for cooling systems. The student will be required to assemble components into an operative system. Practical application is provided in the laboratory.

## **INDUSTRIAL SCIENCE**

IS 15001 INTRODUCTION TO ISO/QS 9000 - In this course, training modules are used on an as- required basis for specific employee groups. The training and coaching hours depend on the current level of understanding and proficiency within the company. The Implementation Needs Assessment identifies the specific training modules required to fit the situation.

IS 15012 ISO 9000 CERTIFICATION - ISO 9000 is a quality assurance program, designed to allow businesses to install a formal, standardized system to govern the procedural steps of any manufacturing process. The course will explain the system needed to identify, monitor and record the proper steps which support the order entry, manufacture and testing of products to ensure that compliance with agreed customer or product specification requirements are consistently met.

IS 15021 STATISTICAL TECHNIQUES - This course offers a step-by-step approach to understand Statistical Process Control and the techniques available for its application in industry. The course will provide a Technical Math review to facilitate a clearer understanding as well as application of statistical techniques.

IS 15031 FAILURE MODE AND EFFECTS ANALYSIS - This course is designed to assist the student in

identifying areas that could be problematic to the workplace. The student will learn to identify things that have gone wrong and ways to reduce future risk.

IS 15042 INTERNAL QUALITY AUDITING - This course is designed to assist the student in gaining skills through activities and individual participation to successfully conduct system audits.

IS 15053 PROJECT MANAGEMENT – The course is designed to provide the class participant with practical lessons in project management. The course presents an integrated view of the concepts, skills, and techniques involved in project management. Focus is on the five phases of project management: Initiating, Planning, Executing, Controlling, and Closing, and the nine project management knowledge areas: Integration, Scope, Time, Cost, Quality, Human Resources, Quality, Risk, and Procurement. Usage of Microsoft Office Project software as the application tool will be integrated into the lessons.

IS 15063 BASIC METALLURGY - This program is designed to provide the student with: (1) a working knowledge of metallurgical terminology; (2) the conceptual background of material types; (3) an understanding of mechanical properties and tests methods; and (4) a background in heat treatment and property modification. The course will cover an introduction to metals, properties of metals, manufacturing process, iron and steel, standard steels, heat treatment, and other metals.

IS 15073 ULTRASONIC INSPECTION – This course is designed to introduce students to the basics of the ultrasonic inspection field. Coursework consists of theory coupled with practical exercises in which the participants become familiar with the common inspection systems and basic data interpretation.

IS 25003 METALLURGY OF STEEL MAKING & TESTING - This course is intended to introduce the student to the processes of manufacturing steel and to highlight the important characteristics, properties, and applications of steel products. An introduction to basic metallurgy and testing is included, as well as a brief comparison with competing technologies in the steel industry.

IS 25013 TOTAL QUALITY MANAGEMENT – This course is a study of the comparison of traditional detection quality control systems with the contemporary trend for controlling the prevention of defects. This class addresses the commitment of management, and the organization as a whole, to the cultural changes necessary to implement quality improvements throughout the organization.

IS 25023 MANUFACTURING ORGANIZATION/MANAGEMENT - This class focuses on the world of manufacturing and the ever-changing aspect of such. We will address the basic functions and challenges of managers in the manufacturing environment, updated technologies, as well as the latest developments in methodologies and actual practices. We will also focus on Supply Chain, Logistics, Continuous Improvement, Quality Management, Lean Manufacturing concepts.

IS 25033 OPERATIONS MANAGEMENT - This course is an in-depth analysis of the principles and techniques that comprise the Manufacturing Resource Planning philosophy. Topics range from strategic planning to shop floor control and performance management.

IS 25043 PRODUCTION AND INVENTORY CONTROL - This course is designed to create an understanding of the manufacturing process as it relates to the planning and control of the flow of materials through this process. Primary areas of concern will be production planning, implementation and control, and inventory management.

## **LANGUAGE**

LA 12003 SPANISH I – Teaches the student to read, write, understand, and speak Spanish and at the same time to develop an appreciation of life in and the culture of the Hispanic world. ACTS equivalent course number is SPAN1013.

LA 12013 SPANISH II – Will continue the development of the four fundamental skills of the language: reading, writing, speaking, and comprehending. Spanish II will also include selected readings to introduce students to the Spanish literary world. Prerequisite: Spanish I.



LA 12023 FRENCH I – Teaches the students to read, write, understand and speak French and at the same time to develop an appreciation of the life and culture of the French speaking people.

LA 12033 FRENCH II –Will continue the development of the four fundamental skills of the language: reading, writing, speaking, and comprehending. Prerequisite: French I.

## **MATHEMATICS**

MA 1XXX3 MATHEMATICAL APPLICATIONS – Mathematical Applications reviews basic mathematical concepts in the context of technical areas and builds on those skills to include applications in measurement, using formulas, applied geometry, basic statistics and graphing, and nursing. Using a modular, mastery-based approach, those majoring in certain AAS or TC programs will complete a subset of the modules, completing only the mathematics needed for that major. The modules are as follows:

Module	Title	Module	Title
1	Arithmetic of whole numbers and apps	8	Basic Algebra II and Applications
2	Arithmetic of fractions and apps	9	Practical plane geometry, solid figures and apps
3	Arithmetic of decimals and apps	10	Right triangle trigonometry and apps
4	Ratio, proportion, percent and apps	11	Household measurement units and conversions for nursing
5	Measurement	12	Med labels, prescriptions, syringe calculations and dosage calculations for nursing
6	Arithmetic of integers, exponents, roots and apps	13	Calculating IV flow rates for nursing
7	Basic Algebra I and Applications	14	Graphing and basic statistics

The modules to be completed by each major are as follows:

Mathematical Applications Track	Majors	Modules
MA 14XX3 Mathematical Applications	All majors	1-7
MA 14073 Math Apps for Tech. Programs	CJ, Occupational Programs, Aviation Maintenance, Early Childhood	9
MA 14113 Math Apps for Manufacturing	Advanced Manufacturing, Steel Technology	8,10
MA 14093 Math Apps for Business	Business Management, Office Technology, CIS	8,14
MA 14023 Math Apps for Allied Health	Allied Health, Nursing	11,12,13

Prerequisite: 15 ACT in Math or 18A or 27P on Compass needed to enroll. Students with 15-17 ACT in Math or 18 to 30A in Compass or 27 to 48P in Compass must also enroll in CP 04052 Math Apps Plus. Students must earn a "C" or above in this course to receive an Associates in Applied Science Degree.

MA 14033 INTRODUCTION TO STATISTICS – An introduction to the use and language of statistics which is open to all disciplines. Topics include measures of central tendency, measures of variability, grouping of data and drawing graphs, probability, normal distributions, hypothesis testing, estimation, T-tests, F-tests, regression, correlation, prediction and Chi-square tests. Prerequisite: A "C" or above in MA 14043 College Algebra. ACTS equivalent course number is MATH2103.

MA 14043 COLLEGE ALGEBRA – A study of polynomial, rational, exponential, and logarithmic functions, including graphing techniques, finding zeros, finding inverse and composite functions and applications. Other topics may include solving systems of equations and inequalities, basic operations on matrices, and finding determinants. Prerequisite: "C" or above in CP 04033 Fundamentals of Algebra II, or ACT of 21 or above, or a COMPASS score of 49 or above in Type A Algebra. Students must earn a "C" or above in the course to earn an Associate in Arts Degree. ACTS equivalent course number is MATH1103.

MA 14053 PLANE TRIGONOMETRY – A study of the trigonometric functions, solutions of right triangles, fundamental identities, composite angles, oblique triangles, graphs of the trigonometric functions and inverse trigonometric functions. Prerequisite: A "C" or above in MA 14043 College Algebra, or ACT score of 25 or above, or COMPASS score of 70 or above in Algebra, or COMPASS score of 45 or above in College Algebra. ACTS equivalent course number is MATH1203.

MA 14065 PRE-CALCULUS – Includes selected topics from algebra and trigonometry such as functions, polynomial and rational functions, exponential and logarithmic functions, the trigonometric functions, analytic trigonometry, systems of equations and inequalities, sequences and series, and analytic geometry. (No credit will be given if the student has already taken College Algebra or Plane

Trigonometry.) Prerequisite: A "C" or above in MA 14083, Intermediate Algebra, or a "C" or above in CP 04023 Fundamentals of Algebra, or an ACT score of 21 or above, or a COMPASS score of 49 or above in Algebra. ACTS equivalent course number is MATH1305.

MA 14123 QUANTITATIVE REASONING – This course includes topics in finance, probability and statistics, and mathematical modeling with emphasis on critical thinking and problem-solving. Quantitative Reasoning is designed for students in non-STEM fields not requiring College Algebra. Prerequisite: C or above in CP 04033 Fundamentals of Algebra I, or a 19 ACT Math score, or a Compass score of 38 or above in Type A Algebra. Students must earn a C or above in the course to earn an Associate in Arts Degree. ACTS equivalent course number is MATH 1113.

MA 24003 MATHEMATICS FOR TEACHERS I – Math for Teachers I is a study of set theory, functions, sets of numbers and their properties, number theory, applications, and problem solving. Prerequisite: A "C" or above in MA 14043 College Algebra.

MA 24015 CALCULUS I – Selected topics in analytical geometry, the study of limits and continuity, differentiation, applications of differentiation, integration, and applications of integration. Prerequisite: A "C" or above in MA 14043 College Algebra and MA 14053 Plane Trigonometry or MA 14065 Pre-Calculus. This course is offered in the Fall semester. ACTS equivalent course number is MATH2405.

MA 24025 CALCULUS II – A continuation of Calculus I which includes the following topics: logarithmic and exponential functions, trigonometric functions and inverse trigonometric functions, techniques of integration, infinite series, conics, plane curves, parametric equations, and polar coordinates. Prerequisite: A "C" or above in MA 24015 Calculus I. This course is offered in the Spring semester. ACTS equivalent course number is MATH2505.

MA 24033 CALCULUS III – A continuation of Calculus II which includes the following topics: vectors in three-dimensional space, solid analytic geometry, differential calculus of several variables, multiple integration, and vector analysis. Prerequisite: A "C" or above in MA 24025 Calculus II. This course is offered in the summer. ACTS equivalent course number is MATH2603.

MA 24043 MATHEMATICS FOR TEACHERS II – Math for Teachers II is a continuation of Math for Teachers I. Topics studied include probability and statistics, introductory geometry, congruence and similarity, measurement, and decimals and percents, with applications. Prerequisite: A "C" or above in MA 24003 Math Teachers I. This course is offered in the Spring and Summer II terms.

MA 24073 BUSINESS CALCULUS - A study of algebraic, exponential and logarithmic functions, their limits, derivatives, and integrals and how this applies in business. Prerequisite: Grade "C" or better in College Algebra (MA 14043). ACTS equivalent course number is MATH2203.

## **MECHANICAL**

ME 15002 BLUEPRINT READING- This course presents an overview of methods used in presenting and interpreting a variety of industrial blueprints and schematics. Topics will include engineering drawings in the machine and electrical fields, construction blueprints including structural fabrication and erection drawings, piping drawings and architectural drawings.

ME 15013 BASIC HYDRAULICS/PNEUMATICS - This course presents the basic principles of hydraulics and pneumatics as they apply to industrial equipment. Complete hydraulic systems are studied including fluids, reservoirs, pumps, valves and actuators. Complete pneumatic systems are studied including directional control valves, cylinders, regulators, flow control valves, compressors, air preparation units and pneumatic circuits. Course work includes hands-on applications with hydraulic and pneumatic training equipment.

ME 15023 MECHANICAL DRIVES & BEARINGS - This course examines the uses of basic machines in industrial settings. Topics covered include mechanical drive devices, gears, gear drives, belts, belt drives,

chains, chain drives, bearings, sprockets, and lubrication. The proper installation and maintenance procedures for repair and replacement will be demonstrated.

ME 15033 MAINTENANCE WELDING - This course is designed for the basic needs of the manufacturing student, including instruction and practice in gas cutting and welding, brazing, arc welding in various positions and basic MIG welding. Cutting freehand with the cutting torch and operating semi-automatic cutting equipment also enhance the learning experience.

ME 15042 INDUSTRIAL PUMPS - This course is a study of basic industrial pump types and principles. Pump operation and characteristics are covered for the following types of pumps: positive displacement, dynamic, diaphragm, magnetic drive, and centrifugal. Proper installation, maintenance, and troubleshooting procedures involving industrial pumps will be demonstrated.

ME 15054 BASIC MACHINE SHOP - This course provides instruction in the care and precision operation of drilling machines, lathes, vertical mills, and surface grinders. The course of study familiarizes the student with various measuring instruments and techniques. Some of the tools used are vernier and micrometer instruments, gage blocks, indicators, and comparators. Lab exercises incorporate hands-on practice in accurate turning, knurling, threading, and other machine shop operations. Prerequisite: Blueprint Reading.

ME 15063 METROLOGY – This course explores the science of dimensional measurement. Topics to be covered include the proper use of hand-held measurement devices, theory and use of transfer standards, gauge calibration and recall systems, gauge capability studies, gauge accuracy requirements, use of optical comparators, thread measurement, and fixed limit gauges.

ME 15073 GEOMETRIC DIMENSIONING & TOLERANCING - This course deals with quality planning and control techniques utilized in various precision measurement applications. The course includes a review of the coordinate system and ANSI standards. Students will study measurement of form tolerances, orientation tolerances, runout tolerances, datum tolerances, and location tolerances, as well as practical applications of each. Prerequisite: Blueprint Reading or consent of instructor.

ME 15083 CAD FUNDAMENTALS I - This course is designed to introduce the entry level computer/drafting student to the design techniques, program capabilities, and deficiencies of a typical CAD (Computer-Aided-Design) program. Using simple commands, basic entities will be created and displayed in both 2-D and 3-D modeling. Experience will be gained in both engineering design and architectural drawing.

ME 15093 METAL FABRICATION I—The student will learn the safe and proper method to transport and secure high-pressure cylinders, to install regulators onto the cylinders, and to adjust regulator pressure. Instruction will be given in proper care and use of oxy-fuel torches of several varieties and brand names. Emphasis will be given to proper cleaning of the torch tip. Instruction will be directed toward manual cutting torches.

ME 15103 METAL FABRICATION II—The student's ability to demonstrate the safe and proper procedures taught in Metal Fabrication Phase I will be observed. In addition the student must advance skill to perform various cuts with the Oxy/Fuel equipment on a variety of structural shapes. In conjunction with additional and more advanced cutting torch practice the student will receive instruction on the semiautomatic Flux Cored Arc welding process. This course will provide an individual the practice required to master the skill of performing production fillet welds with the FCAW welding process in the 2 F position.

ME 25012 ADVANCED HYDRAULICS - This course provides hands-on training in hydraulics to those students wishing to advance to a more sophisticated level of hydraulics troubleshooting and maintenance.

ME 25033 CNC PROGRAMMING - This course is designed for individuals with no previous experience in CNC machine tool programming. The course will introduce the students to basic programming languages, G & M codes, as well as discussions on machine terminology, tooling, setup, cutting speeds and feeds,

and computer aided off-line programming.

ME 25043 INTRODUCTION TO ROBOTICS - This course provides students with a broad base of robotics competencies in modern manufacturing technology. Educational hardware and software, based on actual industrial components, emulate automated manufacturing environments. The course incorporates hands-on lab experience with simulation, creative design projects, and problem solving. Students work in teams and are exposed to various core technologies on a rotation basis. Prerequisite: MA 14083 Intermediate Algebra or CP 04023 Fundamentals of Algebra.

## **MANAGEMENT**

MG 21003 PRINCIPLES OF SUPERVISION – This course is designed primarily for the foreman/supervisor. Topics covered include how to supervise, leadership styles, employee communications, human relations, and discipline and grievance procedures. Spring

MG 21023 STAFFING AND HUMAN RESOURCES – This course is designed to provide managers, supervisors, foremen, etc., with the skills necessary to select, train and evaluate the performance of employees. Emphasis is placed on interviewing techniques and procedures, examining and developing instruments for measuring performance, and workforce reduction procedures.

MG 21063 PRINCIPLES OF LEADERSHIP – This course is a study of the concepts of Leadership and Teamwork in the workplace. Topics covered include leadership styles and techniques, planning and goal setting, creating consensus, and the fundamentals of the self-directed work team. Emphasis is placed on increasing leadership skills and acquiring the logic, knowledge and understanding of work teams, through role playing and practical experiences. Spring

MG 21073 TEAMWORK AND TEAM BUILDING – Focused on effective team performance, the course addresses the challenges of team leadership to build and develop teams that are productive and results oriented. The importance of communication and conflict management are woven throughout the course as a common thread for team collaboration and success. Working in groups and teams as well as team roles and processes are emphasized. Spring

## **MARKETING**

MK 21013 MARKETING FUNDAMENTALS – This introductory course is designed to present principles, methods, and problems involved in the distribution and marketing of goods and services. The essential role of marketing in society is studied, as well as specific areas such as consumer motivation, market segmentation, product development, advertising, target markets, and channels of distribution. The marketing mix is examined as an integrated system designed to plan, promote, price, and distribute goods and services. ACTS equivalent course number is MKTG2003. Fall

MK 21043 CUSTOMER SERVICE – This course focuses on the development of skills and attitudes necessary to provide quality customer service. The importance of the customer, satisfying customer needs, the keys to effective customer service, and retention strategies related to customer service are addressed. Students learn effective techniques to resolve problem situations and how to measure the effectiveness of their customer satisfaction programs. Spring

MK 21053 SALES STRATEGY – This course covers all aspects related to the personal selling process, including determination of customer needs, prospecting, sales presentation planning, sales presentation delivery, sales closing techniques, and post-sales follow-up procedures. The course also encompasses sales territory strategies, including efficient route design. Students apply course topics by way of scenario-based demonstrations and projects to build skill competency and problem solving ability.

## **MANUFACTURING**

MT 15003 INTRODUCTION TO MANUFACTURING – This course is designed to introduce the student to the world of advanced manufacturing and establish a foundation upon which further studies in manufacturing might rest. Students will explore basic manufacturing material and processes, tools, techniques, and produce some simple products.

MT 15013 DESIGN FOR MANUFACTURING – This course is designed to expand on the introductory manufacturing course and expose the student to basic design concepts, computer skills, and drawing skills used in product and process design within the field of manufacturing. Additionally, the course is designed to expose students to a number of interpersonal skills and competencies necessary for a sustained career in manufacturing.

MT 15023 MANUFACTURING PRODUCTION PROCESSES – This course is designed to provide the student with a hands-on learning experience with the basic tools, equipment, and operations of manufacturing industries. The student will also understand the relationship between a manufacturing need, a design, materials, processes, as well as tools and equipment. During this course, the student will utilize many of the basic manufacturing processes to produce primary and secondary materials for manufacturing.

MT 15033 MANUFACTURING POWER & EQUIPMENT SYSTEMS – This course will introduce students to manufacturing materials, materials testing, and material science. Additionally, this course will introduce students to primary and secondary processing of manufacturing materials and all the students to construct and conduct various manufacturing experiments.

MT 25003 MANUFACTURING MATERIALS – This course will introduce students to manufacturing materials, materials testing, and material science. Additionally, this course will introduce students to primary and secondary processing in manufacturing and allow the student to construct and conduct experiments with various manufacturing materials.

MT 25013 THE MANUFACTURING ENTERPRISE – This course is designed to expand upon concepts learned in introductory courses while allowing students to further explore how manufacturing enterprises are established, how they maintain control, how they plan, how they produce, package, distribute and market products. As a part of a product development team, students will analyze customer needs and market requirements, conceptualize a design, develop a prototype, production tooling, quality control mechanisms, process control mechanisms, and other procedures necessary to complete a basic production run and distribute a final product.

MT 25023 MANUFACTURING EQUIPMENT MAINTENANCE & OPERATION– This course is designed to provide the student with a comprehensive knowledge of manufacturing equipment, safety, maintenance and operation procedures, control systems as well as leadership abilities in the field.

MT 25033 MANUFACTURING ENGINEERING DESIGN & PROBLEM SOLVING – This course will introduce some new concepts related to engineering design and problem solving, however the primary function of this course will be to serve as a venue for students to place all previous learning into a manufacturing context. Students will solve a given manufacturing challenge that requires the use of advanced manufacturing technology systems, design skills, communication skills, and a thorough understanding of manufacturing materials, processes, and techniques.

## **MUSIC**

*NOTE: All applied music courses may be repeated for credit; however, students may not enroll more than four times in any one type of performance or applied music course and have the credit count in their G.P.A... or to meet graduation requirements. Music courses and lessons offered only to the extent that college resources are available in any semester.*

MU 12003 FUNDAMENTALS OF MUSIC – Study of the elementary materials of music both written and aural. Topics include standard musical notation, intervals, scales, triads, key signatures, and the development of skills in interval discrimination, melodic dictation, and sight-singing. As a co-requisite to Fundamentals of Music, CLASS PIANO I (MU12121) is required. The piano class will provide practical application of materials learned in Fundamentals. A waiver may be obtained by auditioning with the piano instructor demonstrating proficiency at the Class Piano I level.

MU 12011 AURAL THEORY I – Training in the skills of sight-singing and aural perception including melodic and harmonic dictation. Must be taken with Music Theory I.

MU 12023 MUSIC THEORY I – Harmonization of original and given melodies; chord progressions and structure; general analysis of elementary form; chromatic alterations of fundamental harmonies; and beginning composition. Must be taken with Aural Theory I. Prerequisite: Fundamentals of Music or pass a departmental test.

MU 12031 AURAL THEORY II – Continuation of Aural Theory I. Prerequisite: Aural Theory I or permission of the instructor. Must be taken with Music Theory II. Required of all music majors.

MU 12043 MUSIC THEORY II – Continuation of Music Theory I. Required of all music majors.

MU 12051 COMMUNITY CHOIR – Enrollment is open to all students and the public at large. Rehearsals are scheduled for 2½ hours per week. A wide range of music in various styles will be studied and performed in concerts to be scheduled during the school year. Emphasis is given to high performance standards through achievement of good choral blend, intonation, diction, tone quality, and musical interpretation.

MU 12071 COMMUNITY BAND— Enrollment in Community Band is open to all students and the public at large. Rehearsals are scheduled for two hours per week. Students will study a wide range of music in various styles and perform in concerts scheduled during the academic year. High performance standards through achievement of good blend, intonation, tone quality, and musical interpretation are emphasized.

MU 12091 APPLIED INSTRUMENTAL—Private lessons. One half-hour lesson per week in percussion or other Western Art instrument.

MU 12101 APPLIED PIANO – Private lessons. One-half hour lessons per week. No prerequisites. This course required of all students planning a music major.

MU 12111 APPLIED VOICE – Private lessons. One-half hour lesson per week. Prerequisite: audition.

MU 12121 CLASS PIANO I – Meeting two times a week, this course is designed to introduce the fundamentals of keyboard technique to beginning piano students.

MU 12131 CLASS PIANO II – Continuation of Class Piano I.

MU 12151 ANC SINGERS – Enrollment limited to approximately 20 members, by audition only. Rehearsals are scheduled for 2½ hours per week. A wide range of music in various styles will be studied and performed in short and long concerts scheduled throughout each semester. The vocal ensemble can be scheduled for different events throughout the area. Emphasis is given to high performance standards through achievement of good choral blend, intonation, diction, tone quality, and musical interpretation. Students planning a vocal music major are required to participate in either ensemble or community choir. (Audition required.)

MU 12191 APPLIED WOODWINDS—Private lessons. One half-hour lesson per week in flute, clarinet, saxophone, or other woodwind instrument.

MU 12201 APPLIED BRASS—Private lessons. One half-hour lesson per week in trumpet, French horn, trombone, tuba, or other brass instruments.

MU 12221 ANC CHAMBER CHOIR – ANC Chamber Choir is a choral organization that represents the college in performances during the fall and spring semester. Traditional chamber vocal music will be studied and performed with an emphasis on a cappella literature.

MU 12231A WOMEN'S CHOIR – Women's Choir is a choral organization which represents the college in performances during the fall and spring semesters. Membership is not limited to a specific number. Traditional and contemporary treble choral music will be studied and performed.

MU 12231 OPERA WORKSHOP - Opera Workshop is an elite group of 8-12 singers that represents the college in an operatic performance during the fall and/or spring semesters. The fundamental purpose of Opera Workshop is the study and performance of opera. Students audition for and are chosen to sing specific operatic roles and/or scenes each academic year. Those scenes are rehearsed and staged throughout the semester, then performed for a public audience. In addition, students prepare and perform operatically centered educational programs in elementary and /or middle and high schools in the greater ANC service area. (Audition required).

MU 12241 CLASS VOICE - Meeting two times a week, this course is designed to introduce the fundamentals of Western Art singing to beginning voice students. The other meeting times are designated LAB experiences, which include the student practicing individually, in groups, or with audio-visual assistance. (There are no prerequisites or co-requisites for this class).

MU 12253 INTRODUCTION TO WESTERN ART MUSIC - This course will give a broad overview of Western music from the Middle Ages to the 20<sup>th</sup> century, with emphasis on all musical historical periods (Antiquity-1920). It is also meant to enhance students' musical experience by developing listening skills and an understanding of diverse forms and genres. Major composers and their works will be placed in social and cultural contexts. Weekly lectures feature demonstrations by professional performers and introduce topics to be discussed in sections. The focus of the course is on the weekly listening and reading assignments, lab assimilations, and analysis.

MU 12261 APPLIED ORGAN – The students will learn the fundamentals of organ playing. Private Lessons. One-half hour lesson per week. Prerequisite: Two semesters of piano and consent of the instructor.

MU 22003 MUSIC APPRECIATION – A general music course designed to deepen the understanding and enjoyment of the music listener through the cultivation of attentive listening skills. These listening skills may be applied to any piece of music in any style. ACTS equivalent course number is MUSC1003.

MU 22011 CLASS PIANO III – An intermediate level course emphasizing a knowledge of chords, scales, sight-reading, improvising, playing in all keys, and harmonizing melodies. This class also covers a wide variety of piano literature. Prerequisite: Class Piano II.

MU 22072 ADVANCED APPLIED VOICE – This course provides private lessons for one hour per week and is intended for vocalists well versed in classical repertoire who wish to improve their singing in a more rigorous academic environment. Students enrolled in this course should have previous experience studying voice and expect to prepare and present more advanced literature than the typical Applied Voice student.

## **NURSING**

NU 16008 FUNDAMENTALS OF NURSING – This introductory 16 week course focuses on the assessment of overt client behavior as well as the nursing process, roles of the ADN nurse, and skills basic to activities of daily living. Coping mechanisms, communication, nutrition, pharmacology, and drug administration are integrated into the classroom/lecture component of the course. The lab and clinical



component incorporates the skills taught in the classroom. CPR Certification Level C. (Pre-requisites: general education courses as outlined in the selected ADN Option Curriculum Plan)

NU 16014 PSYCHIATRIC NURSING – This 8 week course examines specific psychosocial responses within the adaptive process. Content includes communication of self- concept and role function which interrupt the holistic stability of the individual. The clinical component provides the student opportunities to assess and intervene with clients demonstrating ineffective psychosocial responses. (Pre-requisite: NU 16045 Medical Surgical Nursing)

NU 16045 MEDICAL SURGICAL NURSING – This 8 week course focuses on identifying influencing factors specific to focal stimuli that promote or inhibit adaptation. The student is introduced to basic concepts of health care and nursing interventions to manipulate the focal stimuli. The clinical component directs the student to intervene in those illness problems which are acute-temporary interruptions in adaptive modes. (Pre-requisites: NU 16008 Fundamentals of Nursing or NU 16063 LPN/RN Transition in Nursing).

NU 16063 LPN/RN TRANSITION IN NURSING – This 16 week course was developed for the LPN to facilitate the transition into the Associated Degree Nursing Program. The course concentrates upon the roles of the Associate Degree Nurse as defined by the National League for Nursing Accrediting Committee. The content is designed to prepare students to participate as primary care providers to promote adaptation of client within a structured health care environment. The focus of the clinical lab is to validate and assess expertise in fundamental skills expected of first level nursing students. (Pre-requisites: general education courses as outlined in the selected ADN Option Curriculum Plan)

NU 26004 PEDIATRIC NURSING – This 8 week course focuses on the adaptive modes of role and self-concept from infancy through adolescence. The physiologic interruptions of adaptive responses commonly exhibited during these years are examined. The clinical component directs the student toward nursing interventions which will alter or interrupt ineffective responses of the child and provide support to enhance the adaptive capacity of the family. (Pre-requisite: NU 26014 Maternal Nursing)

NU 26022 NURSING LEADERSHIP AND NCLEX REVIEW — This 16-week, classroom only, course focuses on the professional responsibilities of the registered nurse as a manager of care. Emphasis is placed on legal and ethical issues, collaboration, and promotion of safety in the health care environment. Students are provided the opportunity to prepare for program completion and focused review activities to prepare for the NCLEX-RN. Co-requisite: Must be enrolled in the fourth semester NU 26035 Advanced Medical Surgical Nursing I and/or NU 26045 Advanced Medical Surgical Nursing II.

NU 26034 MATERNAL NURSING – This 8 week course focuses on a holistic approach to the family in child-bearing years. The development of healthy family-infant relationship is examined according to the adaptive modes of physiologic, self-concept, role, and interdependence. The clinical component provides experiences for the student to support the adaptive capacity of the child-bearing family. (Pre-requisite: NU 16014 Psychiatric Nursing)

NU 26035 ADVANCED MEDICAL SURGICAL I – This 8 week course focuses on the signs and symptoms of altered functions of an organ or system for the purpose of recognizing coping responses designated to maintain integrity of the internal environment. The course includes nursing theory basic to diagnosis, planning, intervention, and evaluation of client care. The clinical component is designed to provide integration of nursing theory with clients experiencing moderate to complex interruption in adaptive modes and focuses on role mastery and interdependence for the associate nurse. (Pre-requisite: NU 26004 Pediatric Nursing)

NU 26045 ADVANCED MEDICAL SURGICAL II – This 8 week course is a continuation of the study of altered body functions. The nursing process is utilized to promote client adaptation to complex interruptions in physiologic needs. The course includes continued nursing theory basic to diagnosis, planning, intervention, and evaluation of client care. The clinical component is designed to provide integration of nursing theory with clients experiencing moderate to complex interruption in adaptive modes and focuses on role mastery and interdependence for the associate nurse. (Pre-requisite: NU

26035 Advanced medical Surgical Nursing I)

## OFFICE TECHNOLOGY

OT 11003 BEGINNING KEYBOARDING -- This course is designed for students with little or no previous training in touch keying techniques. Emphasis is on developing touch keyboarding skills so that students are able to produce various business documents--correspondence, tables, and reports. The course is software based and students are expected to spend approximately one to two hours per week practicing and completing outside lab assignments. Fall, Spring

OT 11043 RECORDS & INFORMATION MANAGEMENT -- This course is a study of the importance of managing all types of information. Emphasis is placed on the creation, storage, retention, transfer, and disposition of all types of information/records used in work. Students learn health information records management in addition to manual and computer records management. Students also learn ARMA International standard rules for different filing methods. Successful completion of this course prepares the office technology student for module 2, Alpha and Numeric Filing of the Office Proficiency Assessment and Certification (OPAC®) test. Fall

OT11061 THE TOTAL OFFICE -- This course is designed to help students develop the professional skills required in today's office. Topics include business etiquette, netiquette, grooming and dress, office equipment, telephone etiquette, and the importance of confidentiality in the office environment. Spring

OT 11073 DATA ENTRY APPLICATIONS -- This course is designed for students to gain experience in real life activities of data entry specialists. Students work on actual data entry problems and improve their accuracy and speed in using the numeric keypad. This course prepares students to complete the data-entry tests of the Office Proficiency Assessment and Certification Tests (OPAC®). Spring

OT 21003 BUSINESS COMMUNICATIONS -- This course is designed to give the student communication skills needed for the business world. Students are instructed to properly write and format all types of written business communications, including letters, memos, reports, and resumes. In addition, the student gains experience in creating an oral presentation and in improving listening skills. Intercultural communications are also explored. Prerequisite: Grade "C" or better in EN 12003 English Composition I. ACTS equivalent course number is BUSI2013. Fall

OT 21013 ADVANCED KEYBOARDING -- This is a second-level course for students requiring advanced keyboarding and word processing software applications instruction. Areas covered include speed building, accuracy, and word processing applications using Microsoft Word. Successful completion of this course prepares the office technology student for OPAC® testing in keyboarding (typing speed/accuracy), editing/formatting from rough draft, advanced editing/formatting from rough draft, and formatting a letter. Prerequisite: Documented keyboarding speed of at least 30 words per minute and knowledge of word processing software. This course is offered only in the spring semester. Spring

OT 21033 OFFICE PROCEDURES -- This capstone course is designed to help students develop specific professional skills required in modern business offices. Students perform individual and group tasks and solve business problems via cases and simulations. Professionalism, ethics, telephone techniques, travel, and continued professional development are some topics to be examined. Students will successfully complete OPAC testing in composing minutes, proofreading 1 & 2, petty cash, bank deposit, and bank reconciliation. Prerequisite: Demonstrated keying speed of 30 words per minute and knowledge of word processing software. This course is designed to be taken after 50 hours in the Office Technology degree are attained. Spring

OT 21043 MACHINE TRANSCRIPTION -- This course trains students to operate dictation/transcribing equipment. Emphasis is also placed on applying correct spelling, punctuation, grammar, and proofreading skills in producing business correspondence. Students may emphasize medical or legal transcription by completing the appropriate courses prior to enrolling in machine transcription. Prerequisite: Demonstrated keying speed of 30 words per minute and knowledge of word processing software. Spring

OT 21083 WORD PROCESSING–MS WORD -- This course is designed to provide hands-on training in processing textual information using current Microsoft Word software on microcomputers. Prerequisite: Demonstrated keying speed of 30 words per minute is needed. Fall

OT 21093 MEDICAL TERMINOLOGY FOR TRANSCRIPTION -- This course is designed to provide a terminology foundation for students emphasizing in medical office careers through learning the root forms, prefixes, and suffixes to pronounce, spell, and define terms. Fall

OT 21103 HUMAN DISEASE FOR TRANSCRIPTION -- This course is designed to provide the transcriptionist with a basic study of diseases, their progress and symptoms. It includes an introduction to the principles of pharmacology and drug actions, routes of administration, and classes of drugs by body systems. This course also includes a comprehensive study of lab tests, radiology exams, and pathology exams and their role in diagnosis and treatment. Prerequisite or co-requisite: OT 21093 Medical Terminology for Transcription. Fall

OT 21113 LEGAL ASPECTS FOR THE MEDICAL OFFICE -- This course is designed to provide a foundation for all aspects of legal requirements, including but not limited to, record release, retention of records, authorizations, and consents. Confidentiality and personal ethics are emphasized. Spring

OT 21133 LEGAL TERMINOLOGY FOR TRANSCRIPTION -- This course is designed to provide a terminology foundation for students emphasizing in legal office careers through learning the terms used in all areas of the law. Fall

OT 21143 INTRODUCTION TO CODING -- This course provides an introduction to various coding and classification systems used in health care, specifically the ICD-9-CM coding system. Laboratory practice time covers ICD-9-CM coding. Prerequisites or co-requisites: OT 21093 Medical Terminology for Transcription and OT 21103 Human Disease for Transcription.

OT 21153 ADVANCED MEDICAL TRANSCRIPTION -- A continuation of the machine transcription course focusing on actual physician-dictated reports including history and physical, diagnostic imaging, operative, pathology, SOAP notes, consultations, discharge summaries, and correspondence. Course content utilizes dictation from a variety of backgrounds; proofreading and medical terminology included. Co-requisite: OT 21043 Machine Transcription, Medical emphasis. Spring

## **PHILOSOPHY**

PH 22003 INTRODUCTION TO PHILOSOPHY – An examination of the basic issues and methods in philosophy through the study of selected writings of philosophers from Plato to the present. ACTS equivalent course number is PHIL1103.

## **PHYSICAL EDUCATION/HEALTH**

NOTE: Physical education activity courses are taught as individualized courses. As such, it is possible to repeat these activity courses to advance skills; however, no more than two credits may be earned by repeated enrollment in any one activity course. A maximum of four hours of physical education activity hours will count toward graduation. The two-hour physical education activity requirement may be petitioned if the experience and/or physical restrictions warrant a waiver.

PE 17002 FIRST AID – Includes the American Red Cross course in Standard First Aid and Personal Safety, Multi-media Standard First Aid, and Cardio-pulmonary Resuscitation (CPR). This course contains proven life-saving information and techniques effective until adequate medical assistance can be

obtained. Multi-media Standard First Aid and CPR certificates will be awarded to those who successfully complete the course.

PE 17013 PERSONAL AND COMMUNITY HEALTH – An overview of scientific facts, basic principles, and desirable practices with emphasis placed on the development of functional attitudes and meaningful concepts for healthful living. Current outside readings and personal experience with community health leaders and their programs are studied. ACTS equivalent course number is HEAL1003.

PE 17061 GOLF – Instruction and practice in golf fundamentals, etiquette, & rules.

PE 17112 FITNESS FOR LIFE – This course takes people from their current levels of fitness toward increased cardiovascular endurance, proper weight control, increased strength and flexibility, and the ability to relax. The individualized approach to physical fitness in this course is designed to do more than teach these principles but provide opportunity for students to apply what they learn by writing and engaging in their own personalized fitness programs.

PE 17121 WALKING FOR FITNESS – A low impact fitness program designed for adapted needs with the older adult in mind. The importance of exercise and fitness in arresting the aging process along with changing dietary needs are stressed.

PE 17031 CONDITIONING AND WEIGHT TRAINING– Student participation in a variety of activities designed to improve physical fitness. These activities will include running, walking, exercise programs, and individualized training programs on the weight machines.

PE 17041 BOWLING – This course is designed to teach the basic skills, techniques, scoring and fundamentals of bowling.

PE 17091 VOLLEYBALL– In this course, students will learn the fundamental skills, scoring, and game strategy through drills and practice.

PE 17141 STEP/BENCH AEROBICS – A moderate to high intensity workout that expends calories comparably to running, while maintaining a low impact stressor to the body and joints. The step workout incorporates cardio-respiratory and muscular strength and endurance, flexibility, and improves body composition.

PE 17151 BODY CONTOURING AND WEIGHT LIFTING – This course is designed to develop firm shapely muscles and improve overall female body contour. Each student will learn rules and techniques to develop an individualized program. Free weights and specific exercises will be used to enhance fitness and muscle tone.

PE 17171 RECREATIONAL BASKETBALL – This course offers the opportunity to participate in 5 on 5 full court basketball games, 3 on 3, and 1 on 1 half court games.

PE 17161 TENNIS – An introductory course teaching the fundamental skills of tennis. Basic strokes; the forehand and backhand drives, the flat serve, volley, lob, and smash; history, rules, scoring, and court etiquette. Basic singles and doubles court play and game strategies.

PE 17191 INDIVIDUALIZED WELLNESS ACTIVITIES – The Individualized Wellness Activities course provides diverse physical education and wellness activities to meet the specific needs of all students and to develop competency in up to three lifetime wellness activities. Class schedules are flexible and determined by the student and instructor with emphasis on meeting the individualized wellness goals of the student. Improved wellness and fitness is the primary goal for this course. Activities which may be included, but not limited to, are: weight training, and conditioning, aerobics, walking, tennis, badminton, intramurals, and other instructor approved activities. Physical fitness and proper nutrition are emphasized as necessary for maintaining good health and reducing stress throughout life. Assignments include setting individualized goals and keeping an activity journal or record to reflect participation and meeting wellness goals. Activities offered are safe and developmentally appropriate.

## PHYSICAL SCIENCE

PS 14003 PHYSICAL SCIENCE – A course designed primarily for students other than those planning a math or science major, it is concerned with concepts of matter and energy involved in the field of astronomy, chemistry, geology, and physics. The application of scientific knowledge to daily life is emphasized and stress is placed on fundamental principles and scientific methods. Lab (PS 14011) must be taken concurrently and completed as part of the class. Prerequisite: Grade “c” or better in CP 04023 Fundamentals of Algebra I or Math Apps for Business or a 19 ACT Math score, or a Compass score of 38 or above in Type A Algebra. This course is not open to students enrolled in General Physics I or General Chemistry I. ACTS equivalent course number is PHSC 1004.

PS 14011 PHYSICAL SCIENCE LAB - Lab extends the concepts of and must be completed with Physical Science PS 14003. ACTS equivalent course number is PHSC1004.

PS 14043 PHYSICAL GEOLOGY– A survey of physical features of the earth and the processes which modify its surface and interior. Laboratory activities include the study of minerals and rocks. Landforms are studied through the use of topographic maps, aerial photographs, and field trips. Appropriate attire required. Lab (PS 14051) must be taken concurrently and completed as part of the class. Prerequisite: Grade “c” or better in CP 04023 Fundamentals of Algebra I or Math Apps for Business or a 19 ACT Math score, or a Compass score of 38 or above in Type A Algebra. This course is not open to students enrolled in General Physics I or General Chemistry I. ACTS equivalent course number is GEOL 1114.

PS 14051 PHYSICAL GEOLOGY LAB - Lab extends the concepts and must be completed with Physical Geology PS 14043. ACTS equivalent course number is GEOL1114.

PS 24023 GENERAL PHYSICS I – The essentials of mechanics, heat, and sound for students of the life sciences and physical sciences. Lab (PS 24031) must be taken concurrently and completed as part of the class. Prerequisite: Grade “C” or better in Plane Trigonometry (MA 14053).

PS 24031 GENERAL PHYSICS I LAB - Lab extends the concepts of and must be completed with General Physics I PS 24023.

PS 24043 GENERAL PHYSICS II – A continuation of General Physics I including electricity, magnetism, light and modern physics. Lab (PS 24051) must be taken concurrently and completed as part of the class. Prerequisite: Grade “C” or better in General Physics I (PS 24023)

PS 24051 GENERAL PHYSICS II LAB - Lab extends the concepts of and must be completed with General Physics II (PS 24043).

PS 24123 FUNDAMENTAL PHYSICS I – The essentials of mechanics, heat, light and sound are presented in this course, with the goal of increasing the understanding of the natural laws, along with the development of analytical skills critical for success in both educational under taking and lifetime decision making. Corequisite: MA 24025 Calculus II.

PS 24131 FUNDAMENTAL PHYSICS LABORATORY I – The lab extends the concepts of Fundamental Physics I and must be completed concurrently with PS 24123.

PS 24143 FUNDAMENTAL PHYSICS II – The continuation of Fundamental Physics I includes the topics of electricity and magnetism, light and optics, and Modern Physics. Laws and principles that govern the various subject areas are discussed. Prerequisite: A “C” or better in PS 24123 Fundamental Physics I.

PS 24151 FUNDAMENTAL PHYSICS II LABORATORY – The lab extends the concepts of Fundamental Physics II and must be completed concurrently with PS 24143.

## **POLITICAL SCIENCE**

PO 23003 AMERICAN NATIONAL GOVERNMENT – A study of U.S. Constitution and its developing expressed and implied institutions. Prerequisite: A grade of “C” or above in CP 02003 Intro to Composition or CP 02023 Fundamentals of Language, an ACT score of 19 or above in writing, a Compass score of 75 or above in writing, or an ASSET score of 45 or above in writing. ACTS equivalent course number is PLSC2003.

## **PRACTICAL NURSING**

PN 16025 BASIC NURSING PRINCIPLES AND SKILLS I – This course introduces the principles of personal and professional development including therapeutic communications, legal and ethical concepts, and nursing responsibilities. Included is a study of growth and development, fundamental skills and principles needed to give nursing care with skill, safety, and comfort for the patient of all ages. Prerequisites: Mathematical Applications for Allied Health and Body Structure & Function or Anatomy and Physiology I w/Lab and Anatomy and Physiology II w/lab. Co-requisite: PN Clinical I

PN 16035 BASIC NURSING PRINCIPLES AND SKILLS II – This course is a continuation of Basic Nursing Principles and Skills I progressing to the more complex skills necessary to give safe, skillful nursing care to clients in a variety of settings and stages of illness. The nursing process, health assessment, and documentation are incorporated. Critical thinking skills will be developed so that students learn to use their knowledge to earn clinical decisions and to consider the legal, ethical, social, and cultural aspects of patient care. Prerequisites: Mathematical Applications for Allied Health and Body Structure & Function. Co-requisite: PN Clinical I

PN 16042 PHARMACOLOGY I -- Using mathematical foundations, this course develops competencies to accurately calculate medication dosages and build necessary skills for the safe preparation and administration of medications to patients of all ages. It reflects legal aspects, current and commonly used practices, procedures, medications and drug preparations. Prerequisites: Mathematical Applications for Allied Health and Body Structure & Function. Co-requisite: PN Clinical I

PN 16051 CARE OF THE GERIATRIC PATIENT – The normal processes related to aging will be taught in order to be able to recognize the individual who is experiencing a deviation from that norm, and to assist that person to meet his/her needs. An introduction of common geriatric disorders and the nursing care of those disorders is included. Knowledge learned will be used as the student cares for the elderly in long-term care facilities. Prerequisites: Mathematical Applications for Allied Health and Body Structure & Function. Co-requisite: PN Clinical I

PN 16072 NURSING OF CHILDREN – This course includes the principles of growth and life span development and the basics of health care of the normal infant through adolescence. Health deviations from normal body structure during the life cycle of infancy through adolescence and common pediatric disorders, illnesses, and diseases are reviewed. Prerequisites: Mathematical Applications for Allied Health and Body Structure & Function. Co-requisite: PN Clinical I.

PN 16161 NUTRITION I – This course deals with the basic principles of nutrition that are required to evaluate food requirements and to make wise judgments about eating habits. “MyPlate” is taught as well as the importance of good nutrition in supplying body needs. This course will incorporate online technology as a part of instruction. Prerequisites: Mathematical Applications for Allied Health and Body Structure & Function. Co-requisite: PN Clinical I

PN 16085 PRACTICAL NURSING CLINICAL I – This course covers basic bedside care in the clinical setting. Clinical rotations are scheduled in long-term care facilities, acute care settings, pediatrics, mental health facilities, and physician's offices. The course is designed to assist the student in application of skills learned in the classroom and laboratory setting to actual clients in healthcare settings Prerequisites: Mathematical Applications for Allied Health and Body Structure & Function. If any Fall Semester PN Course is repeated PN Clinical I must be repeated.

PN 16092 NURSING OF MOTHERS AND INFANTS – This course focuses on the holistic approach to modern maternity nursing through the prenatal, antepartal, intrapartal and postpartal periods with emphasis on normal obstetrics and the normal newborn. It also includes complications of pregnancy and childbirth and disorders of the neonate. Prerequisites: Mathematical Applications for Allied Health, Body Structure & Function and all Fall Semester PN Courses. Co-requisite: PN Clinical II

PN 16103 PHARMACOLOGY II – Building on the knowledge and skills obtained in Pharmacology I, this course will enhance pharmacologic and therapeutic principles of medication administration in relation to the treatment of patients with various disease processes. This course emphasizes safety as a primary nursing responsibility as the student administers medications to clients in the clinical setting. Prerequisites: Mathematical Applications for Allied Health, Body Structure & Function, and all Fall Semester PN Courses. Co-requisite: PN Clinical II

PN 16185 MEDICAL-SURGICAL NURSING I – This course is designed to prepare the student in the nursing care of adult clients - developing skills on recognition of physiological signs and symptoms of disease, planning and providing for physical and psychological comfort, and assisting with therapy. Disease processes involving fluids and electrolytes, the reproductive, hematologic, lymphatic, cardiovascular, respiratory, and gastrointestinal systems, as well as care of the oncology client are all covered. Clients with substance abuse and the impaired nurse are also covered. Prerequisites: Mathematical Applications for Allied Health, Body Structure & Function, and all Fall Semester PN Courses. Co-requisite: PN Clinical II

PN 16195 MEDICAL SURGICAL NURSING II – This is a continuation course of Medical Surgical Nursing I. The course prepares the student in the nursing care of adult clients-developing skills on recognition of physiological signs and symptoms of disease, planning and providing for physical and psychological comfort, and assisting with therapy. Disease processes involving the neurological, musculoskeletal, urinary, endocrine, immune, sensory, and integumentary systems are covered as well as mental health disorders. Prerequisites: Mathematical Applications for Allied Health, Body Structure & Function, and all Fall Semester PN Courses. Co-requisite: PN Clinical II.

PN 16126 PRACTICAL NURSING CLINICAL II – This course covers medical/surgical and specialty rotations. This course is a practical, clinical component with an emphasis on medical and surgical problems for patients throughout the life span. The student is responsible for correlating theory to clinical practice by integrating critical thinking to give safe, skillful, holistic patient care. Prerequisites: Mathematical Applications for Allied Health, Body Structure & Function, and all Fall Semester PN Courses. If any Spring Semester PN Course is repeated PN Clinical II must be repeated.

PN 16152 PRACTICAL NURSING CLINICAL III – This course involves the completion of specialty rotations, team leading, and providing total patient care. Depending on the competencies of the student he/she may be allowed to work alongside a nurse preceptor who will serve as a role model, mentor, and/or direct supervisor. This course is designed to ease the transition of the student as he/she moves from the role of a student to a “new” entry level Licensed Practical Nurse (LPN). Prerequisites: Mathematical Applications for Allied Health, Body Structure & Function, and all Fall and Spring Semester PN Courses. If Summer Leadership and Delegation course must be repeated, Practical Nursing Clinical III must be repeated.

PN 16203 LEADERSHIP AND DELEGATION – This course is designed to assist the student in the final preparation for challenging the National Council for Licensure Exam for Practical Nurses (NCLEX-PN). It includes leadership responsibilities and delegation for the Licensed Practical Nurse as outlined in the Arkansas Nurse Practice Act is reviewed. Co-requisite: PN Clinical III

## **PSYCHOLOGY**

PY 13002 ACADEMIC & CAREER ENRICHMENT – The purpose of the two-credit hour course is to integrate students into the life and culture of Arkansas Northeastern College, its support services and



departments, and to prepare students with a foundation for academic success. The course addresses the core curriculum competencies of college success, college stress, self-confidence and self-discipline, career preparation, and experiential learning. Experiential learning involves students in planning, implementing and assessing a project in the community, and through that experience, gaining skills in teamwork, organization, problem-solving, decision-making and budgeting. Because these skills are transportable, they will enable students to navigate the workplace of the future and become effective leaders in their fields.

PY 23003 GENERAL PSYCHOLOGY - A basic introduction to Psychology with an analysis of the foundations of human behavior and their inter-relationships. ACTS equivalent course number is PSYC1103.

PY 23013 CONTEMPORARY PSYCHOLOGY – A second basic course in the field of Psychology with a more contemporary emphasis. The primary issues that will be covered relate to the following topics: abnormal behavior; approaches to therapy; stress and wellbeing; and personality. Prerequisite: General Psychology.

PY 23023 DEVELOPMENTAL PSYCHOLOGY – An overview of human development from conception through the lifespan. The course analyzes the inter-relationships of the physical, cognitive, and social-emotional domains as one moves through the stages of life. Prerequisite: General Psychology. ACTS equivalent course number is PSYC2103.

## **SOCIOLOGY**

SO 23013 INTRODUCTION TO SOCIOLOGY – A general survey course which introduces the student to the field of sociology. The study includes basic concepts, the relationship of the individual to culture and the group, and the major social institutions. ACTS equivalent course number is SOCI1013.

SO 23023 MINORITIES IN AMERICA – This course involves the study of racial and minority groups in our contemporary society. Emphasis is on the origin, development, and influence of ethnic myths and movements.

SO 23033 MARRIAGE AND FAMILY RELATIONS – Designed to acquaint the student with the many factors which influence family dynamics. Areas covered include history of the family, dating relationships, the engagement period, communication in marriage, parenting, divorce and remarriage, and death.

SO 23043 SOCIAL PROBLEMS – A study of contemporary social problems and their consequences, focusing on topics such as economic inadequacies, family disorganization, crime, and drug addiction. This course is offered in the fall only. ACTS equivalent course number is SOCI2013.

SO 23103 CRIMINOLOGY – This course is designed to be a general introduction into criminal behavior using an interdisciplinary approach. The student will be introduced to the sociological patterns of crime and criminals with an emphasis on classical and contemporary theories. Further attention will be given to the detailed analysis of the causes, affects and prevention of criminal behavior. Spring

## **SPEECH**

SP 12103 INTRODUCTION TO COMMUNICATION – An introduction of the dynamics of communication. Students will examine interpersonal, small group, and organizational contexts. Additionally, specific areas of non-verbal communication, listening, public address (including a minimum of three speeches), and mass communication will be emphasized. ACTS equivalent course number is SPCH1003

SP 22043 PUBLIC SPEAKING – A course that gives the student instruction and practice in the art of

public address. The course will include sections on delivery, analysis, invention, and disposition.

SP 22063 HUMAN RELATIONS – A course that investigates human relations in personal, public, and business contexts with concentration on attitudes and motivations that affect our interaction with others.

## **THEATER**

TH 12003 MOTION PICTURE APPRECIATION – A course designed to introduce students to, and broaden their perspectives regarding, the history, scope, and possibilities of film as a medium capable of illuminating the human condition – culturally, ideologically, and aesthetically – as well as providing a common ground for self-expression. Film theories, philosophies, and techniques learned throughout the semester will be exhibited in practical application as students participate in analysis and criticism sessions and the mock-production of a film experience.

TH 22003 BASIC TECHNICAL THEATRE – A course designed to introduce students to technical theatre considerations, such as scenic and costume design and construction, makeup, stage lighting techniques, and special effects. Stagecraft techniques learned throughout the semester will be exhibited in practical application as students participate in college and community theatrical productions. This course may be repeated once for credit.

TH 22013 FINE ARTS THEATRE – A course that gives the student an introduction to the many aspects of theatre production. The course will touch on areas in the history of theatre, lighting, stage design, casting, make-up, and play production. ACTS equivalent course number is DRAM1003

TH 22023 ACTING I – A course designed to introduce students to basic acting techniques and relaxation exercises. Skills developed throughout the semester will be applied to improvisational situations, monologue presentations, and duet-acting scenes. Individual creativity and imagination developed throughout the course will lead to enhanced presentational capabilities and strengthened self-concept.

TH 22033 ACTING II – A course designed to introduce students to intermediated acting techniques and the Stanislavski method of character embodiment. Skills developed throughout the semester will be applied to audition preparation, repertoire development, and group acting projects. In addition, students will become familiar with techniques for acting before the camera. This expanded insight into the acting profession will lead to enhanced presentational capabilities and strengthened self-concept.

## **WELDING**

WE 17001 OXYGEN/ACETYLENE SAFETY AND ORIENTATION - The students will learn the safe and proper procedure to transport and secure high-pressure cylinders, to install regulators on to the cylinders, and to adjust regulator pressure. Instruction will be given in proper care of oxy/fuel torches of several varieties and brand names. Emphasis will be given to proper cleaning of the torch tip. The instruction will be directed toward manual cutting torches. Throughout the welding curriculum, additional instruction on oxy/fuel cutting will be provided to include the proper use of semi-automatic track torches.

WE 17013 BASIC BLUEPRINT READING - This course includes introduction to basic lines and views of orthographic projection. Emphasis is put on the ability to interpret welding symbols as recognized by the American Welding Society.

WE 17034 SHIELD METAL ARC WELDING (SMAW) PIPE WELDING - This course shall provide the student with the required knowledge to fit pipe to be welded with the SMAW welding process. Through an established progression of practice the student should become proficient at welding pipe in the 2-G, 3-G, and 6-G positions. *Qualification will be available to those who achieve that level of expertise. Tests will be conducted in accordance with ASME Sec. IX Pipe Welding Code.*

WE 17044 TUNGSTEN INERT GAS (TIG) PIPE WELDING - This course shall provide the student with the required knowledge to fit pipe to be welded with the TIG welding process. Through an established progression of practice, the student should become proficient at welding pipe in the 2-G, 5-G, and 6-G

positions. Training should include practice on six-inch pipe, advancing to TIG welding of small diameter pipe all the way out. Continued practice with the SMAW welding process will be required in this course. *Qualification will be available to those who achieve that level of expertise. Tests will be conducted in accordance with ASME Sec. IX Pipe Welding Code.*

WE 17064 GAS METAL ARC WELDING - This course will provide the student with the required knowledge and skill to set-up and operate GMAW equipment. Through an established progression of practice, the student should become proficient at welding Fillet welds and Groove Welds in all positions. Profession is competency based.

WE 17074 TUNGSTEN INERT GAS (TIG) MANUFACTURING - This course shall provide the student with the required knowledge to set-up and operate TIG welding equipment. Through an established progression of practice, the student should become proficient at welding Fillet welds and Groove welds in all positions, to include High Frequency on Aluminum and Stainless Steel of various thicknesses. *Qualification will be available to those who achieve that level of expertise. Tests will be conducted in accordance with A.W.S. D-1.1 Structural Welding Code.*

WE 17084 FLUX CORED ARC WELDING - This course shall provide the student with the knowledge to set-up and operate FCAW welding equipment. Through an established progression of practice, the student should become proficient at welding fillet welds and groove welds in all positions. Progression is competency based.

WE 17094 SMAW STRUCTURAL WELDING (PARTIAL JOINT PENETRATION) - The student shall develop an ability to do Shielded Metal Arc welding safely. Pass tests that meet the specifications set forth in the American Welding Society's Structural Welding Code. Through an established progression of practice, the student should become proficient at welding fillet welds in the 1F, 2F, 3F and 4F positions. The student should become proficient at welding Partial Joint Penetration V-Groove welds in the 1G, 2G, 3G, and 4G positions.

WE 17104 SMAW STRUCTURAL WELDING (COMPLETE JOINT PENETRATION) – The student shall develop an ability to do Shielded Metal Arc welding safely and pass tests that meet the specifications set forth in the American Welding Society's Structural Welding Code. The student should become proficient at welding Complete Joint Penetration V-Groove welds in the 1G, 2G, 3G, and 4G positions. Prerequisite: WE 17094 SMAW STRUCTURAL WELDING (PARTIAL JOINT PENETRATION)



Arkansas Northeastern  
COLLEGE

Administration, Faculty, &  
Professional Support Staff

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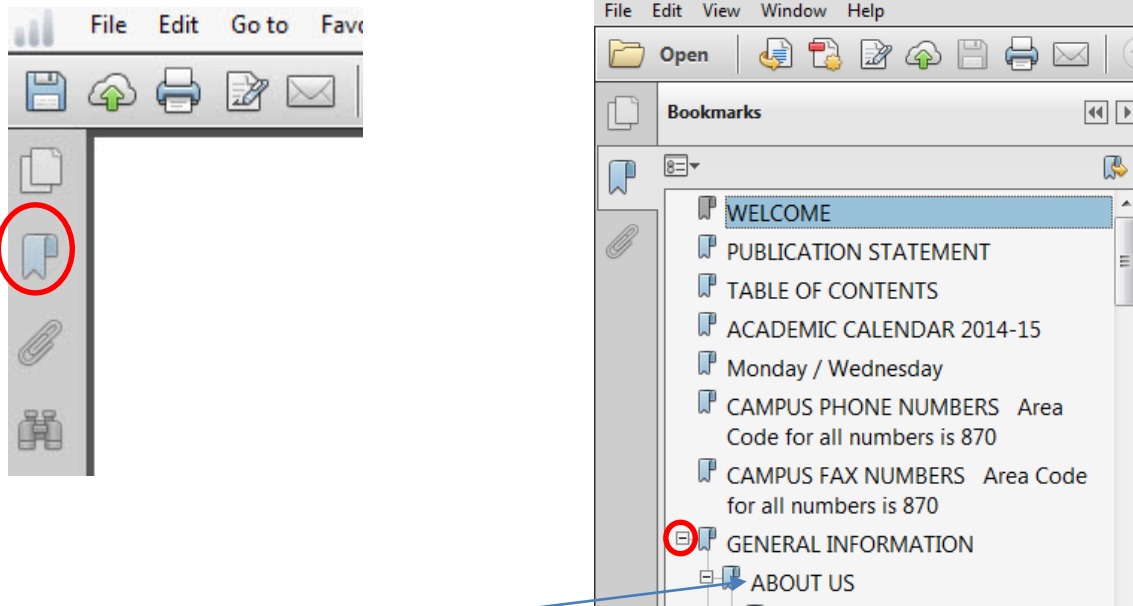


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## Changes to the Catalog

The 2015-16 Catalog was released on August 19, 2015. Changes made subsequent to its release are noted here:

August 20, 2015 The COLLEGE LEVEL EXAMINATION PROGRAM (CLEP) section on page 67 was changed to reflect current practices in taking the exams. No changes were made to required scores and their awarded credit.

August 21, 2015 Personnel promotion updates: Stacey Walker, James W. McClain, Courtney Fisher, Rosemary Lowe Personnel added to the listing: Tabatha Hampton, Jeffery Echols, Jacob Cooper, Debra Lyles-Benedict, Donald "Duane" Busby, Linda Lee

September 9, 2015 Personnel removed from the listing: Carol Wilf; Board of Trustees added to the listing: Randy Scott, Sandra Kennett; Board of Trustees removed from the listing: Frank Richardson, Todd Edwards, John Logan

September 11, 2015 The new degree plans for Early Childhood Education were added.

September 16, 2015 Typographical errors corrected on Additional Fees section, page 38.

October 16, 2015 Corrections to Child Development Certificate were made.

October 29, 2015 Typographical errors corrected affecting Early Childhood and Business Management. Personnel added to the listing: Jody Hipwell, Maci Jones.

December 1, 2015 Added Eileen Hagan O'Neal Scholarship information. Added "or dean approval" to CS21443 Course Description.



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