CENTRAL ALABAMA COMMUNITY COLLEGE

General Catalog 2016-2017

August 2016

EQUAL OPPORTUNITY IN EDUCATION AND EMPLOYMENT

It is the official policy of the Alabama Community College System Office and Central Alabama Community College that no person in Alabama shall, on the grounds of race, color, disability, sex, religion, creed, national origin, or age, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program, activity, or employment.

Central Alabama Community College complies with non-discriminatory regulations under Title VI and Title VII of the Civil Rights Act of 1964; Title IX Educational Amendment of 1972; and Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Inquiries concerning this policy may be directed to the ADA Coordinator in the Office of Student Services. Grievance Procedure Forms are available in the Office of Student Services. Central Alabama Community College is an equal employment/equal educational opportunity institution.

Inquiries of recipients concerning the application of the above regulations and their implementing regulations may be referred to the Compliance Officer or to the Office for Civil Rights.

The Compliance Officer for Central Alabama Community College is:

Dr. Sherri Taylor
Dean of Students
Compliance Officer
Title VII and Title IX Coordinator
Central Alabama Community College
1675 Cherokee Road
Alexander City, AL 35011
(Phone) 256/215-4273; (Fax) 256/215-4244
staylor@cacc.edu

Region Four Office of Civil Rights
U.S. Department of Health and Human Services
Sam Nunn Atlanta Federal Center
Suite 16770
61 Forsyth, St. S. W.
Atlanta, Georgia 30303-8909
800-368-1019 (voice)
404-562-7881 (fax)
800-537-7697 (TDD)

CHANGES IN PROGRAMS AND CATALOG

Central Alabama Community College reserves the right to make changes in the offerings and regulations announced in this publication as circumstances may require. Every reasonable effort has been made to present information herein, at the time of publication, that accurately describes the curriculum and the regulations and requirements of the College; however, no responsibility is assumed for editorial or publication errors. Statements in the catalog do not establish contractual relationships and the College reserves the right to make changes as required in course offerings, curricula, academic policies, and other rules and regulations affecting students, to be effective whenever determined by the College. These changes will govern currently and formerly enrolled students. The current and latest edition of the catalog may be found on the College website, www.cacc.edu. Enrollment of all students is subject to these conditions.

2016-2017 General Catalog

CENTRAL ALABAMA COMMUNITY COLLEGE
www.cacc.edu

Alexander City Campus
1675 Cherokee Road
Alexander City, AL 35011
(256) 234-6346

Childersburg Campus
34091 US Highway 280
Childersburg, AL 35044
(256) 378-5576

Talladega Center
1009 South Street, E.
Talladega, AL 35160
(256) 480-2068

Millbrook Instructional Site
4300 Main Street
Millbrook, AL 36054
(256) 234-6346

INSTITUTIONAL MEMBERSHIPS

Southern Association of Colleges and Schools Commission on Colleges
Alabama Community College Association
American Association of Community and Junior Colleges
American Library Association
Accreditation Commission for Education in Nursing
Achieving the Dream
National Junior College Athletic Association

ACCREDITATION

Central Alabama Community College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award the Associate in Science degree, Associate in Applied Science degree, Associate in Occupational Technology degree, and certificates. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Central Alabama Community College.

Additional Accreditation
Central Alabama Community College's Associate Degree Nursing program is accredited by the Accreditation Commission for Education in Nursing (3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, 404-975-5000, www.acenursing.org).

Published by Central Alabama Community College

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CENTRAL ALABAMA COMMUNITY COLLEGE
2016-2017 ACADEMIC CALENDAR

Fall Semester 2016

August 15 (Monday)	Faculty Duty Day – **Local Professional Development** **Return to 4 ½ Day Work Schedule**
August 16 (Tuesday)	Walk-in Registration/Faculty Duty Day
August 17 (Wednesday)	Classes Begin – Full Fall Term and 1st Mini Term
August 17-19 (Wednesday-Friday)	Schedule Change Period – Full Fall Term and 1st Mini Term (Drop/Add)
September 5 (Monday)	**LABOR DAY/COLLEGE CLOSED**
September 13 (Tuesday)	Mid Term for 1st Mini Term
September 28 (Wednesday)	*Last Day to Submit a **PARTIAL or TOTAL** Withdrawal* – 1st Mini Term
October 5 (Wednesday)	Last day of class for 1st Mini Term
October 6 (Thursday)	Final Exams for 1st Mini Term
October 10 (Monday)	Registration for 2nd Mini Term/Mid Term for Full Fall Term
October 11 (Tuesday)	First Day of Class for 2nd Mini Term
October 11-12 (Tuesday-Wednesday)	Schedule Change Period for 2nd Mini Term/Drop/Add
November 2 (Wednesday)	Mid Term for 2nd Mini Term
November 3 (Thursday)	**No Classes/Faculty Advising/Faculty Duty Day**
November 14-23, 28, 30	Web Registration Opens/Advising
November 11 (Friday)	**VETERAN'S DAY/COLLEGE CLOSED**
November 21-23 (Monday-Wednesday)	S**tate Professional Development - No Classes/Faculty Duty Days**
November 24-25 (Thursday-Friday)	**THANKSGIVING HOLIDAY/COLLEGE CLOSED**
November 30 (Wednesday)	*Last Day to Submit a **PARTIAL or TOTAL** Withdrawal* – Full Fall Term and 2nd Mini Term
December 1-6 (Thursday-Tuesday)	Advising
December 7 (Wednesday)	Last Day of Class/Final Examinations for 2nd Mini Term
December 8-14 (Thursday-Wednesday)	Final Exams for Full Fall Term
December 15 (Thursday)	**GRADES DUE** by 9:00 AM/Faculty Duty Day
December 16 (Friday)	Local Professional Development/Faculty Duty Day
December 15-16, 19-20	Faculty Duty Days
December 21-22 (Tuesday-Thursday)	Faculty Non Duty Days (College Open: Work days for Administrators/Staff)
December 23-January 2	**CHRISTMAS-NEW YEAR'S BREAK/COLLEGE CLOSED**

Spring Semester 2017

January 3 (Tuesday)	Faculty Non-Duty Day (Work day for Administrators/Staff)
January 4-6 (Wednesday-Friday)	Walk-in Registration/Faculty Duty Days
January 9 (Monday)	Classes Begin – Spring Term and 1st Mini Term
January 9-10 (Monday-Tuesday)	Schedule Change Period – Full Spring Term and 1st Mini Term (Drop/Add)
January 16 (Monday)	**MARTIN LUTHER KING & ROBERT E. LEE HOLIDAY/COLLEGE CLOSED**
February 22 (Wednesday)	*Last Day to Submit PARTIAL OR TOTAL Withdrawal 1st Spring Mini Term*
March 1 (Wednesday)	Last Day of Classes for 1st Mini Term
March 2 (Thursday)	Final Examinations – 1st Mini Term – Registration for 2nd Mini Term/Mid Term Full Spring Term
March 6 (Monday)	Classes Begin – 2nd Mini Term
March 6-7 (Monday-Tuesday)	Schedule Change Period for 2nd Mini Term (Drop/Add Period)
March 20-24 (Monday-Friday)	**SPRING BREAK/**Faculty Non Duty Days (Work Days for Administrators/Staff)
April 3 (Monday)	Mid-Term 2nd Spring Mini Term
April 6 (Thursday)	**NO CLASSES - ADVISING/CACC Connect - Faculty Duty Day**
April 6-28	Web Registration Opens/Advising
April 21 (Friday)	*Last Day to Submit PARTIAL OR TOTAL Withdrawal 2nd Spring Mini Term*
April 24 (Monday)	*Last Day to Submit PARTIAL OR TOTAL Withdrawal Full Spring Term*
April 27 (Thursday)	Last Day of Classes for 2nd Mini Term
May 1 (Monday)	Last Day of Classes – Spring Term and Final Examinations for 2nd Mini Term
May 2-8 (Tuesday-Monday)	Final Examinations
May 9 (Tuesday)	**GRADES DUE for Full Spring Term & 2nd Spring Mini Term**
May 10 (Wednesday)	Faculty Duty Day/Local Professional Development/Faculty Meeting
May 11 (Thursday)	GRADUATION
May 12 (Friday)	Faculty Duty Day/GED Graduation
May 15-19 (Monday-Friday)	Faculty Non-Duty Days (Work days for Administrators/Staff) ***4-day work week begins***

Summer Semester 2017

May 22-23 (Monday-Tuesday)	Walk-in Registration/Faculty Duty Days
May 24 (Wednesday)	Classes Begin – Summer Term/1st Summer Mini Term
May 24-25 (Wednesday-Thursday)	Drop/Add Period – Summer Term/1st Summer Mini Term
May 29 (Monday)	**MEMORIAL DAY/COLLEGE CLOSED**
June 12 (Monday)	Mid-term for 1st Mini Term
June 20 (Tuesday)	*Last Day to Submit PARTIAL OR TOTAL Withdrawal 1st Summer Mini Term*
June 27 (Tuesday)	Final Examinations – 1st Summer Mini Term/Registration for 2nd Summer Mini Term
June 28 (Wednesday)	Grades Due – 1st Mini Term/**2nd Summer Mini Term Begins** Schedule Change Period for 2nd Summer Mini Term (Drop/Add)
July 5 (Wednesday)	Schedule Change Period for 2nd Summer Mini Term (Drop/Add)
July 3-4 (Monday-Tuesday)	**HOLIDAY 4TH OF JULY/COLLEGE CLOSED**
July 6-20	Web Registration Opens /Advising
July 18 (Tuesday)	Mid-term for 2nd Mini Term
July 20 (Thursday)	**NO CLASSES - ADVISING/CACC Connect - Faculty Duty Day**
July 27 (Thursday)	*Last Day to Submit PARTIAL OR TOTAL Withdrawal for Full Summer Term and 2nd Summer Mini Term*
August 3 (Thursday)	Last Day of Classes for Full Summer Term/**Final Examinations for 2nd Summer Mini Term**
August 7-8 (Monday-Tuesday)	Final Examinations for Full Summer Term
August 9 (Wednesday)	**GRADES DUE for Full Summer Term & 2nd Summer Mini Term/Faculty Duty Day**
August 10 (Thursday)	Faculty Duty Day
August 14-16 (Monday-Wednesday)	Faculty Non-Duty Days (Work days for Administrators/Staff) ***Return to 4½ day work week***

GENERAL INFORMATION

GENERAL INFORMATION

Central Alabama Community College is a publicly supported institution in the Alabama Community College System and is under the direction and control of the Alabama Community College System Board of Trustees. The College strives to meet the needs of students at an affordable price in an easily accessible setting. The College can and will meet the general academic, career, technical, senior college transfer, adult education, skills training, and training for industry/business needs of its communities.

HISTORY OF THE COLLEGE

Central Alabama Community College was created by action of the Alabama State Board of Education on February 23, 1989. The board action consolidated Alexander City State Junior College (ACSJC) and Nunnelley State Technical College (NSTC).

Prior to consolidation, the State Legislature's approval of Act No. 93 on May 3, 1963, established Alexander City State Junior College. While many organizations and individuals were responsible for the College being located in Alexander City, Russell Mills, Inc. donated the property site valued at $750,000. The first classes were held on September 30, 1965, in the old Russell Hospital with an opening enrollment of 442 freshmen.

In September of 1966, ACSJC was moved to its permanent location on Cherokee Road. On October 23, 1966, Governor George Corley Wallace delivered the address at the formal dedication of the College. Alexander City State Junior College was accredited by the Southern Association of Colleges and Schools in December of 1969. A library was completed in January of 1969 and a Health, Education, and Arts complex in January of 1971. A major addition to the HEA Complex was the Wellness Center in February of 1989, which was renovated in 2000. Classes in the Betty Carol Graham Technology Center began fall semester of 2004. A new Learning Resource Center was completed and opened on the Alexander City campus in the Fall of 2013 replacing the John D. Russell Library.

Nunnelley State Technical College in Childersburg was also a direct result of Act No. 93. Along with Congressman William F. (Bill) Nichols, many organizations, individuals, and governing bodies joined together to bring the College to the area. The City of Childersburg contributed some $24,000 for the purchase of twenty-five acres on Highway 280. The acreage was donated to the State for the College site.

The College opened an Instructional Site in Talladega in the Spring of 2006.

Construction of the technical college was completed in February of 1966. The College officially opened on March 7, 1966, with an opening enrollment of 35 full-time students.

On September 25, 1966, Governor George Corley Wallace delivered the dedicatory address to more than 1,500 attendees. On December 12, 1973, Nunnelley earned Southern Association of Colleges and Schools accreditation.

Sizeable federal grants in 1973, 1977, 1979, and 1985 allowed Nunnelley to expand plant facilities, program offerings, and student services. The present physical plant has more than doubled in size since first opening its doors.

Coosa Valley School of Nursing began as the Sylacauga School of Nursing in 1921 as a hospital diploma program. The school was reorganized in 1951 and continued to operate as a hospital diploma program until 1994, when CVSN introduced an associate degree nursing program. Coosa Valley School of Nursing relocated from Sylacauga to the new Jim Preuitt Nursing and Allied Health Building on the Childersburg campus in January 2001.

A center in Talladega began classes the spring semester of 2006 with an opening enrollment of 130 students. The 28,500 square foot facility is a result of donated land from the city of Talladega. The Center is a combined partnership with a number of state agencies including the Career Link, Employment Services, Vocational Rehabilitation Services, Adult Education, and Veteran Affairs. The College began teaching evening classes at the Millbrook Instructional site, which is currently housed at Stanhope-Elmore High School, in the Spring of 2015.

Today, the Alexander City and Childersburg campuses, as well as the Millbrook Instructional site and Talladega Center, offer resources and expertise that address the education and training needs of Central Alabama.

At the inception of the two-year college system in Alabama, the Alabama State Board of Education functioned as the trustees for the system colleges. In the spring of 2015, the Alabama Legislature established the Alabama Community System Board of Trustees to oversee the system. On May 27, 2015, Governor Robert Bentley swore in the appointed members of the Board before their first official meeting.

MISSION STATEMENT

Central Alabama Community College promotes student success in comprehensive and diverse academic and career learning environments to advance quality of life through economic, community and workforce development.

VISION STATEMENT

Central Alabama Community College will be the community's preferred higher education choice for lifelong learning, cultural enrichment and community development opportunities.

GOALS

Ongoing goals of the College are as follows:

I. Instruction - To provide relevant quality instruction to those we serve.

II. Technology - To maximize the utilization of technology to improve the operation of the College.

III. Funding - To provide adequate funding to achieve goals.

IV. Unification/Communication - To promote a unified college concept.

V. Customer Support - To enhance customer-driven support services.

VI. Facilities - To improve and maintain adequate facilities.

VII. Staffing/Professional Development - To provide an appropriate level of qualified personnel.

STATEMENT OF EQUAL OPPORTUNITY

Central Alabama Community College has filed with the Federal Government an Assurance of Compliance with all requirements imposed by or pursuant to Title VI of the Civil Rights Act of 1964 and the Regulation issued there under, to the end that no person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity sponsored by this College. It is also the policy of Central Alabama Community College to be in accordance with Title IX of the Education Amendments of 1972 which provides that "no person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity receiving Federal financial assistance." Further, Section 504 of the Rehabilitation Act of 1973 states that "no qualified persons shall, on the basis of handicap or otherwise, be subjected to discrimination under any program or activity that receives the benefits from Federal financial assistance." Essential programs, services, conferences, and meetings conducted by the College will be accessible to all people who desire to attend. A student having a disability that might require special materials, services, or assistance should contact the ADA coordinator at least 48 hours in advance at 256/215-4269, 256/378-2004, or 256/480-5069. For TDD users in Alabama, the Alabama Relay Center is available at 1-800-548-2546. Materials related to compliance with the Americans with Disabilities Act of 1990 are maintained by the ADA Coordinator in the Student Services Office at each location.

Persons, individually or as a group, who perceive themselves to be subjected to discrimination prohibited by Title VI or Title IX of the Act and Regulation issued there under, or Section 504 of the Rehabilitation Act of 1973 may file a written complaint with the United States Education Department, with this College, or with both. For further information contact the Office of Student Services. Contact information is located on the inside front cover of this Catalog.

BUILDINGS AND FACILITIES

Alexander City Campus

The Alexander City Campus is located on ninety acres at the intersection of highways 280 and 63. The campus is 78 miles southeast of Birmingham, 55 miles northeast of Montgomery, 123 miles southwest of Atlanta, and 70 miles northwest of Columbus, Georgia. Campus classrooms overlook a three-acre lake on the campus.

The George C. Wallace Administration Building houses the Office of Instruction, Student Services Office, Financial Aid Office, Office of Enrollment Services, and Cashier's Office plus 3 classrooms and a computer center.

The Business, Mathematics, and Science Building houses programs in art, business, science, and mathematics. Laboratories for art, biology, chemistry, physics, mathematics, and the Title III Student Learning Center are provided along with fourteen classrooms.

The Thomas D. Russell Library is no longer in use. A new Library Resources Center opened in the fall of 2013. This building houses the Alabama Collection, which includes a 1st edition copy of "To Kill a Mocking Bird." The collection also houses copies of two individual cookbooks by Katherine Tucker Windham containing her favorite recipes, collections of Confederate Soldiers from Alabama, Slave Narratives, and Native American artifacts found in the Lake Martin area. In addition to the over 60,000 electronic books and over 11,000 print resources, the Library Learning Resource Center also houses four private study rooms and a meeting room that will accommodate ten students for small group sessions. It has twelve computer terminals available for student usage and one large meeting room which can be reserved for community meetings.

The W. Byron Causey Health, Education, and Arts Complex is a multipurpose health education and fine arts building containing the bookstore, a wellness/fitness center, gymnasium, faculty offices, and a performing arts auditorium. The complex has 44,000 square feet of space.

The Betty Carol Graham Technology Center is dedicated to increasing the competitiveness of companies, improving the effectiveness of the workforce throughout the State, and enhancing Alabama's economic development efforts through a flexible and responsive combination of education, technical assistance, and technology transfer. Rockwell International has made the Center one of only a few training sites for Allen Bradley controls, the worldwide standard control in the robotics industry. The Center contains a multipurpose auditorium with the capability of seating 750 people, an industrial maintenance lab, multimedia classrooms, a language lab, computer labs, and administrative and faculty offices.

The Athletic Department outdoor facilities include the Cal Alison Tennis Complex, which has nine lighted courts and a tennis pavilion. A lighted walking track surrounds a multipurpose athletic field. The softball field, located on the north side of the campus, is designed for intercollegiate competition. The intercollegiate baseball field is located on the front side of the campus adjacent to Highway 63. The golf house is located on the north side of campus, and the women's softball lounge is located adjacent to the golf house.

The Maintenance Building houses maintenance equipment and supplies. This building contains a two-bay garage, carpentry shop, maintenance supervisor and campus security offices, and storage area for supplies and equipment.

The College offers technical class in welding, electronics, machining, and practical nursing in the Career Technical shops located on the Alexander City Campus.

Childersburg Campus

The Childersburg Campus is located on Highway 280 in Childersburg, Alabama. The campus is 35 miles southeast of Birmingham, 76 miles north of Montgomery, and 42 miles southwest of Anniston. It consists of ten buildings on forty-five acres of land. The campus was originally built in 1966 and has had four major additions. Eleven acres of land adjacent to the campus have been acquired to accommodate future expansion.

The Administration Building (Building A) houses the administrative offices, Adult Education and Skills Training, Office of Student Services, the bookstore, the Business Office, and the WorkKeys Lab. Programs offered in the Administration Building are computer science, office administration, and cosmetology. Faculty offices for each program are also housed here.

Building B houses the electronics program and provides classrooms, laboratories, and faculty offices for the program.

The Industrial Development Center (Building C) houses the Wellness Center and TRIO personnel offices, in addition to three classrooms.

Building D houses the Welding program.

The Science Building (Building E) is home to mathematics and the biology department. Classrooms, faculty offices, a mathematics computer lab, a biology lab, and a chemistry lab are located in the facility.

Building F houses the Machine Shop program.

The Margie Sanford Center (Building G) contains a conference room, a kitchen and an auditorium with a seating capacity of 350 theater style and 250 banquet style.

Building H houses the English Department. A computerized writing lab as well as classrooms and faculty offices are housed in Building H.

The Bill Nichols Building (Building I) houses the library, the Title III Student Learning Center, and Student Support Services.

The Jim Preuitt Nursing and Allied Health Building (Building J) houses the Associate Degree Nursing and the Practical Nursing programs. The building provides classrooms, a lecture hall, a conference room, a distance learning classroom, a computer lab, a skills laboratory, and faculty and administrative offices.

Building K houses the Maintenance Department. A walking trail surrounds the back of the Childersburg campus and is open for public use.

Talladega Center

The Talladega Center includes one building unit that contains approximately 28,500 square feet of space. The center is located 50 miles east of Birmingham, 90 miles north of Montgomery, and 100 miles west of Atlanta, Georgia. The center offers four computer labs, one chemistry/biology lab, four instructional classrooms, and faculty and administrative offices.

Millbrook Instructional Site

The Millbrook Instructional Site is located at Stanhope-Elmore High School. The College offers evening classes to adult students. The College has use of two computer labs, two science labs, and multiple classrooms.

Heritage Trail Conference Center

The Conference Center is located on Lay Lake approximately 12 miles from the Childersburg Campus. The center has 19 bedrooms, a dining room, kitchen, den and a conference room that will seat twenty five. The Conference Center is rented to businesses, agencies, or industries who wish to hold meetings and workshops in this beautiful setting. The Heritage Trail Conference Center and the Pioneer Village were donated to Central Alabama Community College by Kimberly Clark Inc. in 1994.

The Pioneer Village

Located near the Heritage Trail Conference Center is the Pioneer Village. Southern buildings and replicas will take you into the 1800s, combining history and education into a setting you will never forget. During a tour, one can walk through the village, hear the story of each of the buildings, and see the beauty of each one. There is a one-room school house as well as blacksmith, pottery, and carpentry shops equipped with tools that were used during the 1800s. There is also a grist mill and a country store that contains 299 items that were used during the 1800s.The store also includes a barbershop and a post office which were luxuries for life during this time period. The Pioneer Village cemetery has numerous tombstones with interesting epitaphs. There are guided weekday tours for groups of 20 or more for the general public. Educational and field trips are welcome and admission is free. The Pioneer Village also has a picnic area and modern restroom facilities. For more information contact Clay Morgan at 256-245-0073. Hours of operation are Monday – Friday from 7:00a.m. – 3:00 p.m.

OFFICE OF ENROLLMENT SERVICES

ADMISSION REQUIREMENTS

Applicants may submit applications for fall, spring, or summer semester at any point before the tuition deadline for the term for which the student is applying. However, Central Alabama Community College (CACC) encourages applicants to submit their applications as far in advance as possible. Students who have not previously attended any regionally or Council on Occupational Education accredited postsecondary institution will be designated "first-time college." An applicant who has previously attended another regionally or Council on Occupational Education accredited postsecondary institution will be considered a "transfer student." If you are planning to attend Central Alabama Community College to take a course or courses for transfer to your home college, you are considered a "transient student", and must apply on a term by term basis. If you previously attended Central Alabama Community College, you will apply for admission as a "readmit student".

Central Alabama Community College may establish higher or additional admission requirements for a specific program or service when 1) student enrollment must be limited, or 2) to meet state certification requirements.

Nursing applications are separate and distinct from applications for admission to Central Alabama Community College; therefore, applicants must meet deadlines set forth by the School of Nursing. For more information on nursing deadlines, please refer to the sections on nursing programs and nursing admission requirements.

All male students between the ages of 18 and 26 must show proof of registration with the U.S. Selective Service System in accordance with §36-26-15.1 of the Code of Alabama of 1974 (as amended). All applicants must meet the requirements set forth by the Alabama Community College System (ACCS), and these requirements are subject to change at the discretion of the Alabama Community College System. Central Alabama Community College will abide by the most current ACCS policy which can be found at www.accs.cc, and may alter or change policies as appropriate at any given time.

Central Alabama Community College requires a state approved placement assessment for all students who cannot submit official documentation of ACT (20 or higher in Math, Reading, and English) or SAT scores for exemption. The state approved placement assessment is a computerized test for "first-time students" or "readmit" or "transfer" students who have not tested within the last three years. The test is untimed and assesses abilities in English, reading, and mathematics and determines appropriate class placement for these courses. With this information, students and their advisors will be able to increase chances for success by selecting appropriate classes.

The placement assessment is administered at each of our four CACC locations. For a schedule of testing dates, times, and locations, please visit our website at: www.cacc.edu, click enrollment tab, and then Testing. Please make sure you bring a copy to the testing center when taking the test to be exempt. Applicants MUST bring a photo ID on the day of testing. For questions about testing policies, please contact the Testing Coordinator, Karen Hayes at khayes@cacc.edu.

Upon receipt of the letter of acceptance to Central Alabama Community College, applicants will be informed by mail where to report for placement testing, CACC Connect (pre-college orientation), registration, and advising. All mail from Central Alabama Community College will be mailed to the address provided by the applicant on the application for admission, unless the applicant completes a written request to change his/her address or completes a change of address in My CACC. My CACC is Central Alabama Community College's student information software system and can be found on the College's website at www.cacc.edu.

Students must include all requested information on the Application for Admission and include all schools previously attended and provide a copy of his/her primary photo identification card.

To be accepted into a degree granting program of study, a student must be considered a high school graduate/GED recipient/equivalent (Graduate/Degree Seeking Applicant). In accordance with ACCS policy, CACC recognizes the following documents as proof of a high school diploma or the equivalent:

I. An Alabama High School Diploma, or

II. A high school diploma of another state, which is equivalent to the Alabama High School Diploma,

III. An equivalent diploma issued by a non-public regionally and/or state accredited high school,

IV. A high school diploma equivalent to the Alabama High School Diploma issued by a non-public high school and has passed the Alabama Public High School Graduation Examination,

V. A high school diploma equivalent to the Alabama High School Diploma issued by a non-public high school and a minimum ACT composite score of 16, or SAT score of 790 in Critical Reading and Math sections, AND meets the 4x4 credit hour requirements*

VI. The student holds the Alabama Occupational Diploma, or the equivalent from another state and has scored a minimum of 790 on the SAT Critical Reading and Math sections or a 16 composite score on the ACT,

VII. A GED Certificate issued by the appropriate state education agency,

VIII. A high school diploma recognized by the State of Alabama, or its equivalent from another state, as meeting the pathway requirements credentialing the pathways known as "General Education Pathway," "Essentials/Life Skills Pathway," and "Alternate Achievement Standards (AAS) Pathway" as recognized by the Alabama Department of Education.

*The 4x4 requirements are as follows and must total a minimum of 24 credits to be considered high school diploma equivalent:

- 4 credits in the English Language Arts Curriculum to include the equivalent of English 9 (1 credit), English 10 (1 credit), English 11 (1 credit), and English 12 (1 credit)

- 4 credits in mathematics to include Algebra 1, geometry, and two elective math credits

- 4 credits in Science to include Biology (1 credit), a physical science (1 credit), and 2 elective science credits

- 4 credits in social studies to include social studies (1 credit), World History (1 credit), U.S. History (1 credit), government (.5 credit), and economics (.5 credit)

- 1 credit in physical education

- .5 credit in health education

- .5 credit in computer applications

- .5 credit in fine arts

- 5.5 elective credits

Applicants who do not meet one of the criteria above will be considered non-high school graduates (non-degree seeking) and will not be admitted into degree granting programs. Non-high school graduate applicants will be accepted to CACC as certificate seeking students when all admission requirements are met.

The following chart details admission requirements for degree seeking and non-degree seeking applicants.

Graduates/GED (Degree Seeking)	Non-High School Graduate (Non-Degree Seeking)
• Application for Admission • Primary form of identification • Proof of graduation • Official high school/GED/equivalent transcript • Official transcripts from all other colleges attended * • Other documentation as required by CACC including but not limited to waivers, TB questionnaire and documentation, and Residency/Signature Form. *Students who have been awarded a Baccalaureate degree are only required to submit a transcript from the Baccalaureate degree granting institution.	• Application for Admission • Primary form of identification • Official high school transcript (if applicable) • Official transcript from all colleges attended (if applicable)* *Students who have been awarded a Baccalaureate degree are only required to submit a transcript from the Baccalaureate degree granting institution. • Required Assessment Score • Other documentation as required by Central Alabama including but not limited to waivers, TB questionnaire and documentation, and Residency/Signature Form.

Non-Degree Seeking Applicants

Applicants who do not meet the criteria for Degree Seeking admissions will be considered non-high school graduates or non-GED recipients and will not be admitted into degree granting programs unless they are dually enrolled as an Adult Education student and meet the criteria of the "**Eligible Career Pathway**". Applicants not dually enrolled in Adult Education will be accepted to CACC as certificate seeking students when all admission requirements are met.

An applicant who does not meet the requirements to be degree eligible may be admitted on an "ability-to-benefit" status and take courses that do not result in credits toward an associate's degree. Non-degree seeking applicants may also enroll in programs comprised exclusively of courses not creditable to an associate's degree, provided the applicant is 1) 17 years of age or older and has not been enrolled in secondary education for a least one calendar year, or 2) 17 years of age or older and has written consent from the appropriate secondary school administrator. Applicants admitted under this status will not be considered degree-seeking students, and coursework completed while under this status may not be applied toward a degree from Central Alabama Community College unless the student obtains the credentials to become a degree-seeking student. This change must be completed prior to the term in which the student plans to graduate.

Non high school graduates or non GED recipients seeking admission may enroll in degree creditable courses or programs if the degree creditable courses or programs are attached to an eligible career pathway. as defined under the Workforce Innovation and Opportunity Act (WIOA) and by the Federal Pell Grant Ability to Benefit criteria which includes Adult Education and Family Literacy Act, Title II of the Workforce Innovation and Opportunity Act (Public Law

113-128) and the Title IV eligible postsecondary program component of an eligible career pathway program, and are dually enrolled in Adult Education.

Unconditional Admission
Unconditional admission of an applicant refers to the status that is assigned to applicants who have satisfied all admission requirements as outlined in the chart below.

Conditional Admission
Conditional admission refers to the status assigned to students who have met the identification, application, residency, and TB requirements but who have not provided official transcripts from all previously attended institutions. Conditional acceptance will not be granted to dual enrollment, international, or transient students. Students who are granted conditional acceptance will be allowed to register for classes offered in the term for which they are initially applying but will be required to satisfy remaining requirements before being allowed to register for subsequent semesters. The transcripts of students that have conditional acceptance status will state "Continued Enrollment Denied Pending Receipt of Admission Records." This notation will be removed once all required documentation has been received in the Office of Enrollment Services.

Conditional or unconditional acceptance status does not guarantee that a student will qualify for or be awarded financial aid. The chart below provides information on the requirements to obtain unconditional admission for "Degree Seeking" First-Time, Transfer, and Readmit Students.

Type of Applicant	Application for Admission	Final High School* Transcript or GED	Final College Transcripts with Regional Accreditation**	TB Questionnaire	Residency/Signature Form	Copy of Photo ID
First Time in College	X	X		X	X	X
Transfer	X	X	X	X	X	X
Readmit	X	X	X	X	X	X
Transient	X		X (Transient letter)	X	X	X

*Applicants who have been awarded a baccalaureate degree from an accepted accredited educational institution will be required to submit only the transcript from the baccalaureate degree granting institution for admission purposes, although other transcripts may be requested or required in other departments such as Financial Aid or the School of Nursing.

Initial Academic Status of Transfer Students

I. A transfer student whose cumulative grade point average at the transfer institution(s) is 2.0 or above on a 4.0 scale will be admitted on clear academic status.

II. A transfer student whose cumulative grade point average at the transfer institution(s) is less than a 2.0 on a 4.0 scale will be admitted only on academic probation. The transcript will read "admitted on academic probation."

III. An applicant who has been placed on academic suspension from another regionally or Council on Occupational Education accredited postsecondary institution may be admitted as a transfer student only after making a successful appeal to the College Admissions and Academic Appeals Committee. The decision of the committee is final. If the transfer student is admitted upon appeal, the student will enter Central Alabama Community College on academic probation and the transcript will read "admitted upon appeal-academic probation."

TRANSFER CREDIT

Traditional Credit

I. Coursework transferred or accepted for credit toward an undergraduate program must represent collegiate course work relevant to the formal award, with course content and level of instruction resulting in student competencies at least equivalent to those of the students enrolled in Central Alabama Community College undergraduate formal award programs.

II. A course completed at other regionally or Council on Occupational Education accredited postsecondary institutions with a passing grade will be accepted for transfer as potentially creditable toward graduation requirements. A transfer grade of "D" will only be accepted when the transfer student's cumulative grade point average is 2.0 or higher at the time of admission. If the student has a cumulative 2.0 or above, the "D" grade will be accepted the same as for first-time students.

III. Awarding of transfer credit to fulfill graduation requirements will be based on applicability of the credits to the requirements of the degree sought.

IV. Credit may be extended based on a comprehensive evaluation of demonstrated and documented competencies and previous formal training.

Non-Traditional Credit

Credit for prior learning can be awarded only after the assessment of prior learning experiences and only for documented learning that demonstrates achievement of all terminal objectives for a specific course(s). Before receiving credit for a course, a student must meet enrollment requirements for the course. Students may not earn credit though non-traditional academic work for any course in which a grade has previously been received. Applicants must have official documents sent directly to the Office of Enrollment Services from the appropriate agency.

I. CLEP (College Level Examination Program- sponsored by the College Board) – Central Alabama Community College will award credit for satisfactory performance on CLEP tests. CLEP is a national program of credit by examination that offers the student the opportunity to obtain recognition for college level achievement. Upon receipt of official results from a CLEP testing center, Central Alabama Community College will rant credit based on state guidelines and the American Council on Education (ACE) recommendations. ACE recommendations may be found at http:clep.collegeboard.org/develop/ace-credit.

II. Advanced Placement Test (AP) – Central Alabama Community College awards credit for advanced placement courses taken in high school with scores of three (3) or higher earned on the national examinations of the College Board Advanced Placement Program. Upon receipt of official results, Central Alabama Community College will grant credit based on state guidelines.

III. Credit for Experience in the Armed Services – Central Alabama Community College grants credit for appropriate educational experiences in the armed service in accordance with recommendations from the American Council on Education's Guide to the Evaluation of Educational Experiences in the Armed Services. Interested students may contact the Office of Enrollment Services.

IV. Statewide Articulation – Students can receive college credit for technical high school courses listed on the statewide articulation memorandum of agreement between the Alabama Community College System and Alabama State Department of Education. Students must complete the articulation criteria as outlined by the state to receive college credit for any course.

V. Prior Learning Assessment (PLA) – Credit for experimental learning through portfolio review may not be awarded for academic transfer courses and may be used only when items **I-IV** cannot be used. Central Alabama Community College awards credit for previous training and work experience in career and technical programs only by the student providing a portfolio with relevant materials to determine college equivalent learning. Any student interested in obtaining PLA credit should contact the appropriate college faculty member or Ms. Marian Martin Student Records Manager on the Childersburg Campus in order to obtain the appropriate paperwork and advisement of the PLA process. The student will be responsible for any costs associated with granting of PLA credits.

Central Alabama Community College may use one or any combination of the above non-traditional methods in evaluating previous training and work experience. Not more than 25 percent of the total credit required for any program may be awarded through non-traditional means. Credit awarded through non-traditional means is not applicable toward the minimum of 25 percent of semester credit hours that must be completed at Central Alabama Community College for graduation requirements. Acceptance of non-traditional academic credit by CACC does not guarantee that other institutions will accept such work. Students are responsible for verifying acceptable course work by contracting the respective transfer institution.

ADMISSION OF HIGH SCHOOL STUDENTS

Accelerated High School Program

A student is eligible for early admission if the following criteria are met:

I. The student has completed the 10th grade at an accredited high school. Non-accredited high school applicants must consult the Office of Enrollment Services.

II. The student provides certification from the local principal and/or the principal's designee(s), certifying that the student has a minimum cumulative "B" average and that he/she recommends the student be admitted under this policy.

III. Students must provide acceptable COMPASS placement test scores or proof of exemption. For more information about the COMPASS placement test or exemption policies, please see the catalog section detailing testing policies.

IV. The student may enroll only in postsecondary courses for which the high school pre-requisites have been completed.

V. A student cannot change from one program to another after the drop/add period of the term in which they are enrolled.

Accelerated students must submit a completed approval form prior to each term for which they plan to enroll as long as they enroll in consecutive terms (excluding summer term). If a student misses a consecutive term, he/she will be required to submit a new application packet for the term he/she returns. The application packets and approval forms are available through the student's high school counselor and should be submitted to CACC directly from the high school counselor.

Credits earned are held in escrow until the student fulfills the general admission requirements for a course creditable toward an associate degree and the official documents have been received by the Office of Enrollment Services. Exceptions for admission may be granted by the Chancellor for items "**I**" and "**III**" listed above for a student documented as gifted and talented.

DUAL ENROLLMENT/DUAL CREDIT PROGRAM

Dual Enrollment/Dual Credit

Central Alabama Community College is authorized to establish dual enrollment/dual credit program contracts with local boards of education in its service area. Courses offered by postsecondary institutions are at the postsecondary level. The student must meet the entrance requirements established by the College including the submission of an enrollment application packet and approval forms with required signatures prior to the term for which he/she plans to enroll. A student is eligible for dual enrollment/dual credit if the following criteria are met.

I. The student must meet the entrance requirements of the college as stipulated in ACCS policies and procedures for Dual Enrollment for Dual Credit for high school students.

II. The student must be in grade 10, 11, or 12.

III. The student must have a minimum cumulative (unweighted) high school grade point average of 2.5 on a 4.0 scale. Transcripts must be provided as documentation of the student's cumulative grade average**.**

IV. The student must have written approval of the appropriate principal or career and technical education program representative (if applicable) and counselor. Dual Enrollment for Dual Credit eligibility for students enrolled in private, home school/private tutor, parochial, or church/religious secondary educational entities must be documented in writing by an appropriate school official. Approval from secondary school officials indicates that the students have demonstrated both academic readiness and social maturity.

V. Students registering for any college-level English or math courses must take the state approved placement assessment to determine their academic preparedness for college-level courses. Students registering for career and technical education courses, with the exception of math and English, in the 10^{th} or 11^{th} grade should not be required to take the state-approved placement test. Students must take the state-approved placement assessment before the start of their 12^{th} year of high school, or submit ACT scores which exempt them from the exam (20 or higher on ACT English, Reading, and Mathematics).

VI. Students must meet all applicable pre-requisites prior to enrolling in courses.

VII. Developmental courses (those numbered below 100) are not offered through dual enrollment.

Admission of International Students

Central Alabama Community College is authorized under Federal law to enroll nonimmigrant alien (F-1) students. Prior to being issued a Form I-20, international applicants must present to the Office of Enrollment Services the following:

- A signed original college application packet for admission,

- A current photo,
- A certified official English translated copy of the student's high school transcript,
- A certified official English translated copy of the student's college transcript(s),
- An official transcript from ETS reflecting a minimum score of 500 (paper-based) or 173 (computer based) or 61 (internet based) on the Test of English as a Foreign Language (TOEFL), a 5.5 on the International English Language Testing System (IELTS). The TOEFL code for Central Alabama Community College is 1157. Information about the test may be obtained by writing TOEFL/TSE Services, P.O. Box 6151, Princeton, NJ 08541-6151, USA. Information is also available on-line through the TOEFL web site at www.toefl.org**.**
- A signed, notarized affidavit of financial support declaring that the student or his/her sponsor is able to meet the financial obligations of the student's residency, educational, and medical/general health needs while the student attends the College,
- A copy of the student's I-94 or valid passport (proper status of students who are already in the United States),
- A medical health history and immunization form (provided by the Office of Enrollment Services),
- A transfer clearance from signed by the former school's international student advisor if the applicant is transferring from an accredited postsecondary school in the United States;
- Proof of health and life insurance, including repatriation which must be maintained for all periods of enrollment.

International Students must also provide proof of SAT, ACT, or state approved placement assessment scores before they are allowed to register for classes at the College.

Conditional Admission will not be allowed for any international student. International students will also be required to meet all federal regulations regarding admission to the college. A Form I-20 will not be issued until unconditional admission status has been granted. International students will be responsible for scheduling pickup and paying the costs of sending the Form I-20 via USPS, FedEx, or other parcel delivery company. A hold will be placed on the student in order for the international student to show proof of insurance, arrival, and registration in the Office of Enrollment Services.

Release of Transcripts
Central Alabama transcripts will not be released until all financial obligations have been satisfied. Transcripts received from other schools and colleges become the property of Central Alabama, and copies will not be released.

Readmission Requirements
Former students who have not been in attendance during the previous semester (summer term excluded) must complete an application for readmission. Students readmitting after suspension must complete an application for readmission. A former student who has attended a regionally or Council on Occupational Education accredited postsecondary institution since their last attendance at Central Alabama will re-enter as a readmit student.

Tuberculosis Screening Information

Tuberculosis (TB) screening is required for all incoming students that were born in, resided in, or traveled to for more than three (3) months from one of the countries listed on the Tuberculosis Screening Form.

TB screening should be considered for:

- Persons who have been in close contact of a person with infectious TB.
- Persons with signs or symptoms of active TB.
- Persons with HIV infection.
- Persons who inject drugs.
- Persons who have resided in, have been employed by, or volunteered in high-risk congregate settings: prisons and jails, nursing homes and other long-term facilities for the elderly, hospitals and other health care facilities, residential facilities for patients with acquired immunodeficiency syndrome (AIDS), and homeless shelters.
- Persons with the following clinical conditions that place them at high risk: silicosis, diabetes mellitus, chronic renal failure, some hematologic disorders (e.g. leukemias and lymphomas), other specific malignancies (e.g. carcinoma of the head or neck and lung), low body weight (10% or more below the ideal), gastrectomy and jejunoileal bypass, prolonged corticosteroid therapy (e.g. prednisone 15 mg/d for 1 month), other immunosuppressive therapy, pulmonary fibrotic lesions seen on chest radiographs (presumed to be from prior, untreated TB).

TB Facts:

- Tuberculosis (TB) is caused by bacteria (Mycobacterium tuberculosis) that most often affect the lungs.
- TB is spread from person to person through the air.
- The symptoms include cough, fever, night sweats, and unexplained weight loss.
- Tuberculosis is curable and preventable.
- About one-third of the world's population has latent TB, which means people have been infected by TB bacteria but are not (yet) ill with the disease and cannot transmit the disease.

OFFICE OF STUDENT SERVICES

In the interest of assisting each student to achieve his/her maximum potential as an individual, the College's Office of Student Services makes available a variety of services and information. Student services are supervised and coordinated by the Dean of Students.

STUDENT SERVICES PHILOSOPHY STATEMENT

The primary role of the Central Alabama Community College Student Services Division is to emphasize the concern of the College for the development of each student's individuality and growth. It is the belief of each member of the Division that every student has unique emotional, social, and intellectual needs that cannot be met by classroom instruction alone and that all students should have the opportunity to reach their maximum potential. The overall goal is to provide a full range of student development services and activities that promote the success of students from their initial contact with the College through the attainment of educational or personal goals.

ALABAMA ARTICULATION PROGRAM (STARS)

Central Alabama Community College is subject to the Statewide Articulation and General Studies Agreement; therefore, students are assured that successful completion of courses identified as part of the core curriculum will result in transfer of credit earned in these courses to any Alabama two or four year public institution of higher education.

The Alabama Articulation Program (also called STARS for Statewide Transfer and Articulation Reporting System) is the Alabama computerized articulation and transfer planning system, which has been designed to inform students who attend Alabama community colleges about degree requirements, course equivalents, and other transfer information pertaining to specific majors at each state-funded four-year institution. As the information link among state public two-year and four-year institutions, STARS efficiently and effectively provides students, counselors, and educators with accurate information upon which transfer decisions can be made. The STARS system, if used properly, can prevent the loss of course credit hours, can provide direction for the scheduling of course work, and ease the transition from one institution to another. This information is available to the public via the Internet. A variety of information, including an AGSC-approved transfer guide, may be obtained by visiting the STARS website at http://stars.troy.edu. This site also contains information regarding transfer to four-year private institutions within the State of Alabama.

Students enrolled in career/technical programs are encouraged to seek information and assistance from the career/technical instructor in the respective program.

Advising services are available for current and prospective Central Alabama Community College students. Advisors provide educational guidance in each student's field of interest or specialization. Advisors are available to help students arrange their class schedules and provide information about the knowledge and skills required related to job opportunities in the student's

field. Advisors access a program of study, which they use to assist students in developing a schedule for each term at Central Alabama Community College. Unclassified students who are interested in reviewing various programs at Central Alabama Community College may also receive appropriate academic advising. Academic advising is provided to students by the faculty and the Student Services Office. Students are assigned to advisors through the Student Services Office and Office of Instruction.

Advising Mission Statement: Academic advisors seek to cultivate a collaborative, mentoring partnership with students by providing quality support and instruction that is driven by the individual student's needs, interests, and educational and personal goals. The advisor's role is to facilitate a student's timely progression through his educational plan toward his desired goal.

ACADEMIC SUPPORT

Central Alabama Community College provides the following services to support student learning.

- Students have access to computers, Wi-Fi, and a study lounge at the Trojan Study Lounges, located in Alexander City, Childersburg, and Talladega.
- Academic success coaches are available to assist students with academic, social, and personal obstacles and challenges they may face that interfere with the academic progress.
- Students may be eligible for academic support services, including professional tutoring and academic coaching, through "Student Support Services," a federal TRIO program that promotes student success.

Counseling Services
If a student needs help with personal problems of a nature or degree beyond what is appropriate for College staff, the student will be referred to other appropriate professional resources outside the College environment.

THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974 (FERPA)

Implementation of the Family Educational Rights and Privacy Act of 1974 As Amended, Revised Edition 2000, a publication of the American Association of Collegiate Registrars and Admission Officers.

Definition of Educational Record
Students educational records are defined as those records, files, documents, and other materials, which contain information directly related to a student and are maintained by the college or by a person acting for the college. Specifically excluded from the definition of "educational records" and not open to inspection by students are the following materials:

1. Records of instructional, supervisory, and administrative personnel, which are in the sole

possession of the maker and accessible only to the maker or a designated assistant to the maker;

2. Records of campus security, except in those instances where they have been transmitted within the College for administrative purposes;

3. Records, which are created or maintained by a physician, psychiatrist, psychologist, or other recognized professional or para-professional acting in a professional or para-professional capacity or assisting in that capacity, that are created, maintained, or used only in connection with the provision of diagnosis or treatment to the student and are not available to anyone other than persons providing such treatment or who could not be involved officially within the College. However, such records are available to a physician or appropriate professional of the student's choice, if requested.

The law further outlines the following exception of items not open to inspection by students:

1. Financial information submitted by parents;

2. Confidential letters and statement of recommendations, placed in the records prior to January 1. 1975, provided these letters were collected under established policies of confidentiality and were used only for the purposes for which specifically collected;

3. Confidential letters and statements of recommendation, placed in the records after January 1, 1975, to which a student has waived his/her rights to inspect and review and that are related to the admission of the student, application for employment or job placement, or receipt of honors;

4. Education records containing information about more than one student; however, in such cases the College must permit access to that part of the record which pertains only to the inquiring student.

Student Access to Educational Records
All students have the right to review their educational records with the following exceptions as outlined by FERPA in items 1 – 4 above.

Location/Identification of Individuals Responsible for Student Records
The College has designated the following officials as being responsible for student records within their respective areas:

1. Associate Dean of Student Services: The Associate Dean of Student Services has the overall responsibility of assuring that each student entering Central Alabama Community College has an adequate record system that is maintained, kept up-to-date, and controlled by all provisions as set forth in this policy and governed by Public Law 93-380. The Associate Dean of Student Services will be assisted in this responsibility by the following individuals.

2. Student Records Manager: The Student Records Manager will ensure that all students, upon acceptance to the institution, have an individual student record file containing all admission criteria. The Student Records Manager is further charged with the responsibility of continuously maintaining all student files in a safe and orderly manner, updating all records needed on the individual student, and updating and maintaining an adequate backup system for all student records. The Student Records Manager will ensure that all provisions of this policy are met concerning the release of public information, as well as the release of information to students, institutional instructors, counselors, advisors, administrators, and local, state, and national organizations and agencies. Current student files are maintained in the Office of Records. Files of students that are not currently enrolled or being processed for enrollment are maintained at secure locations in the Records Storage Departments. The Student Records Manager is the ultimate custodian of student records.

3. Director of Financial Aid: The Director of Financial Aid has the responsibility of maintaining an adequate and up-to-date student record file on all students receiving any institutional, local, state, or federal financial assistance. The Director of Financial Aid will see that all provisions of federal, state, and local policies concerning individual student financial aid records are adhered to as stated in the policies.

4. Dean of Financial Services: The Dean of Financial Services will have the responsibility of assuring that all FERPA provisions as set forth in this policy are applied to the release of financial information concerning individual students.

   Records are secured in the following offices at the location where the student was admitted.

a. Admission Records	*Office of Enrollment Services*
b. Cumulative Academic Records	*Office of Records*
c. Financial Aid Records	*Financial Aid Office*
d. Student Account Records	*Business Office*
e. Disciplinary	*Office of Dean of Students*
f. ADA Records	*ADA Coordinator's Office*
g. Nursing Records	*Health Science Division*
h. Technical Education	*Technical Education Division*
i. Student Athletes Records	*Athletic Director's Office*

To review records, students and former students may go to the respective office of record and present a valid photo ID and ask to review the record. Student must complete a Request to Review Education Records Form. Based on the circumstances at the time, the College may delay up to 45 calendar days the release of records for review. The College is not required to provide access to record of applicants for admission who are denied acceptance or if accepted, do not attend.

Challenge of the Contents of Educational Record

Students may challenge information in their educational records that they believe to be incorrect, inaccurate, or inappropriate. The deadline for challenging an educational record will be three

calendar years from the term in question. This challenge must be in writing and must be submitted to the Dean of Instruction. The Dean will decide within a reasonable period of time whether corrective action will be taken, and the Dean will provide written notification to the student and the Office of Records of the corrective action that has been approved. Students who are not provided full relief sought by their challenge must be referred to the Dean of Students who will inform them of their rights to a formal hearing. The grievance policy is outlined in the student handbook located on the College website. The final decision of Central Alabama Community College shall be in writing, shall be based solely on the evidence presented at the hearing(s), and shall include a summary of the evidence and the reasons for the decision. The decision shall be delivered in writing via office email address and/or U.S. mail to all parties concerned who have a legitimate educational interest.

1. The Dean of Students or his/her designee will correct or amend the educational record in accordance with the decision of the hearing if the decision is in favor of the student and inform the student of the amendment in writing.

2. If Central Alabama Community College decides not to amend the record in accordance with the student's request, the Dean of Students will inform the student of the following:

    a. The student has the opportunity to place with the educational record a statement commenting on the information in the record or a statement setting forth any reason for disagreeing with the decision of the hearing.

    b. The statement placed in the educational record by the student will be maintained as part of the record for as long as the record is held by Central Alabama Community College.

    c. This record, when disclosed to an authorized party, must include the statement filed by the student. The College reserves the right to amend the educational record if an error was made by the College. Any exceptions must be approved by the President.

Disclosure of Educational Record Information

Central Alabama Community College shall obtain written consent from students before disclosing any personally identifiable information from their education records other than "Directory Information." Such written consent must: (a) specify the records to be released, (b) state the purpose of the disclosure, (c) identify the party or class of parties to whom disclosure may be made, and (d) be signed and dated by the student.

FERPA states that certain information from student records may be classified as "directory information". The following information has been declared by Central Alabama Community College as directory information: name, address, telephone listing, date and place of birth, major field of study, participation in officially recognized activities and sports, honors, photographs made at college events on or off campus, weight and height of athletic team members, dates of attendance, degrees and awards received, and the most recent school attended by the student. The information will be released to inquiring individuals or agencies unless students sign a Do Not Release Directory Information form in the Office of Enrollment Services. This order will remain

in effect for one year from the date of submission and must be updated annually. Photos may be used for publicity and recruitment purposes. Directory information may be denied when it is deemed by the Dean of Students/Associate Dean of Student Services or Records Manager that it is not in the best interest of the student or the College.

According to FERPA guidelines, Central Alabama Community College may release students' educational records to the following without prior written consent from the student:

I. To school officials within the College who have been determined by the College to have a legitimate educational interest in the records. School officials include counselors and instructors who are involved in counseling students, administrators who assist in counseling and who advise students with other problems, professional staff and clerical staff who directly relate to the administrative task of the College, and College attorneys. A school official has a legitimate educational interest if the official is performing a task that is specified in his/her job description or by a contract agreement, performing a task related to a student's education, or performing a task related to the discipline of a student. When doubt is raised by the Dean of Students/Associate Dean of Student Services or Records Manager about an individual's "need to know" or legitimate educational interest in having access to specific information, the issue shall be decided by the President of Central Alabama Community College.

II. To certain officials of the U.S. Department of Education, the Comptroller General, and state and local educational authorities in connection with certain state or federally supported education programs.

III. In connection with a student's request for or receipt of financial aid, as necessary to determine the eligibility, amount, or conditions of the financial aid, or to enforce the terms and conditions of that aid.

IV. To state and local officials to whom information is specifically required to be reported or disclosed pursuant to state statute adopted prior to November 19, 1974.

V. To organizations conducting certain studies for or on behalf of Central Alabama Community College.

VI. To accrediting organizations to carry out their accrediting functions.

VII. To parents of eligible students who claim the students as dependent for income tax purposes. Determining the dependency, as defined by Section 152 of the Internal Revenue Code, requires a copy of the parents' most recent Federal Income Tax Form.

VIII. To appropriate parties in a health or safety emergency, subject to a determination by the President or Deans.

IX. To personnel complying with a judicial order or lawfully issued subpoena, provided that the Office of Records makes a reasonable attempt to notify students in advance of

compliance.

NOTE: Central Alabama Community College is not required to notify students if a federal grand jury subpoena, or any other subpoena issued for a law enforcement purpose, orders the College not to disclose the existence or contents of the subpoena.

X. To an alleged victim of any crime of violence (as that term is defined in 18 U.S.C. 16) of the results of any institutional disciplinary proceeding against the alleged perpetrator of that crime with respect to that crime.

A complete view of FERPA guidelines is available in the Office of Records and the Student Services Office at each college location.

Annual Notification of FERPA Rights
Central Alabama Community College will give annual notice to current students of their rights under the Act by publishing information in the Catalog.

Privacy Rights of Deceased Students
For twenty-five years following the death of a student, the release of educational record information will not be made unless authorized by the student's parents or the executor/executrix of the deceased student's estate.

Violations of FERPA
A complete copy of the Family Education Rights and Privacy Act of 1974, 20 U.S.C. 1232 g., is available upon request for review in the Office of Student Services on the Alexander City and Childersburg campuses and the Talladega Center. Any complaints or violations of FERPA may be reported to The Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, DC 20202-5920; 205/260-3887; FAX: 202/ 260-9001, e-mail: ferpa@ed.gov , website: www2.ed.gov/policy/gen/guide/fpco/index.html,

To review and obtain a paper copy of the Annual Notification of Rights under FERPA, please contact the Office of Records at (256) 378-2001.

Facsimile Records (FAX)
Central Alabama Community College honors FAX requests, with a copy of the student's driver's license, to send official transcripts to third parties, and Central Alabama will accept FAX transcripts for advising purposes only. **An official transcript is required for any student to receive federal financial aid. A faxed transcript will not be accepted for financial aid purposes.**

Computer Access to Records
Central Alabama Community College has established policies for initially instructing and periodically reminding school officials of FERPA confidentiality requirements before it gives them access to the computer system. These school officials are informed of the criteria Central Alabama uses to determine legitimate educational interest and of their responsibility for assuring that access is not abused.

In addition, Central Alabama Community College will inform parties to whom personally identifiable information is released in any manner that they are not permitted to disclose the information to others without the written consent of the students.

Central Alabama Community College will maintain a record of all requests for and/or disclosure of information from a student's educational records. The record will indicate the name of the party making the request, any additional party to whom it may be disclosed, and the legitimate interest the party had in requesting or obtaining the information. The record may be reviewed by the eligible student.

TYPES, LOCATIONS, CUSTODIANS OF EDUCATIONAL RECORDS

TYPE	LOCATION	CUSTODIAN
Admissions Records	Office of Enrollment Services, Administration Bldg., Alexander City	Admission Specialists
Cumulative Academic Records	Office of Records, Alexander City and Childersburg	Student Services Records Manager
(ACSJC records before 1975 are located at Alexander City, Nunnelley State Technical College records before 1989 are located at Childersburg; Coosa Valley School of Nursing records are located at Alexander City; all other records are accessible on the Childersburg or Alexander City campus.)		
Financial Aid Records	Financial Aid Office, Administration Bldg., Alexander City	Director of Financial Aid
Student Account Records	Business Office, Administration Bldg., Childersburg	Dean of Financial Services
Athletic Eligibility	Office of the Athletic Director HEA Building, Alexander City	Athletic Director
Disciplinary	Office of the Dean of Students, Administration Bldg., Alexander City	Dean of Students
Nursing Records	Office of Records Vault, Administration Bldg., Alexander City	Records Manager
Nursing Admission	Office of Enrollment Services, Administration Bldg., Alexander City	Admission Specialist

SPECIAL TESTING FOR HIGH SCHOOL EQUIVALENCY CERTIFICATE (GED)

Central Alabama Community College has been designated by the Alabama State Department of Education as a test center for the GED. The purpose of the GED is to provide an opportunity for persons who have not graduated from high school to earn a High School Equivalency Certificate issued by the Alabama State Department of Education. This credential is recognized as a key to employment opportunities, advancement possibilities, financial rewards, furthering education, and higher self-esteem. Most colleges, employers, training agencies, and state and federal civil services accept the certificate in lieu of a high school diploma.

The GED covers what graduating high school seniors should know about writing, social studies, science, literature and arts, and mathematics. The questions in each of these tests require general knowledge and thinking skills. Few questions ask about facts, details, or definitions. The GED is designed to measure knowledge and skills, usually learned during four years of high school that have been obtained in a different manner.

Eligibility requirements to take the GED are as follows: (1) must be a resident of the state of Alabama; (2) not enrolled in school; (3) 18 years of age or older OR if 17 years of age and have officially withdrawn from public or private school must have the following two letters: letter of recommendation from the city or county superintendent or headmaster of school last attended and notarized letter from parent or guardian. Most people prepare for the GED test with review classes, books, or practice tests; however, the tests may be taken regardless of the amount of previous education. GED classes are free of charge and available on campus and in many surrounding locations. Students who receive their GED on or after July 1, 2002, are eligible for one free course at an institution under the control of the Alabama Community College System. Student must contact the Financial Aid office for information on the one-time free course.

For additional information on the GED classes or the GED test, call either the Alexander City campus or the Childersburg campus.

ORIENTATION AND STUDENT SUCCESS

All students are required to take ORI 105 unless they are transient students or only pursuing short-term certificates. Any other exceptions must be approved by the Dean of Instruction. The course is designed to introduce students to the college experience by providing students with the tools needed or academic and personal success.

CACC CONNECT - PRE-COLLEGE ORIENTATION SEMINAR

All students seeking long term certificates or degree credentials are required to attend a pre-college orientation seminar, CACC Connect, prior to the beginning of their first semester of enrollment. During the seminar, students must provide state approved placement assessment scores or acceptable ACT or SAT scores for appropriate placement in English, reading, and mathematics. The Alabama Community College system has adopted state approved placement assessment as a prerequisite for initial enrollment in all college-level courses. Standardized tests such as ACT or SAT are not normally required for admission except for graduates of non-accredited high schools. Any student who applies for admission to and enrolls in Central Alabama within three years of high school graduation/enrollment may use their ACT or SAT scores. COMPASS scores are acceptable if taken within the last three years.

The following categories of students are not required to complete the state approved placement assessment:

I. Those enrolling for four hours or less each semester in a non-degree program for recreational or health reasons in such courses as art, music, foreign language, wellness, etc.

II. Those who are sponsored by or enroll at the request of a governmental agency or private institution for a specific short-term course or program such as Adult Skills Training Program, etc.

III. Transient students whose courses are approved by the parent institution.

IV. Those who have completed a college degree or college course work beyond entry-level college English and mathematics.

V. Students who have acceptable ACT/SAT scores within three years of high school graduation/enrollment can be exempt in English, math and/or reading.

VI. Students registering for career and technical education courses, with the exception of math and English, in the 10th or 11th grade should not be required to take the state-approved placement test. Students must take the state-approved placement assessment before the start of their 12th year of high school, or submit ACT scores which exempt them from the exam (20 or higher on ACT English, Reading, and Mathematics).

The state approved placement assessment is administered each semester. Please visit the CACC website at www.cacc.edu to view the schedule.

PLACEMENT SERVICE

Placement involves aiding the student in moving from the community college to the next educational or career objective. Attention is placed on assisting the student in choosing the senior college to which he/she plans to transfer and in meeting the requirements for that college.

Although the College does not consider its function to be that of a public employment service, it is prepared to render placement service within the limitations of its purpose and resources.

COPYRIGHT/FILE SHARING

The purpose of the College copyright information is to provide educational information that communicates the Copyright Act to students and employees of Central Alabama Community College. Although every effort has been made to provide accurate information, this information is not intended to provide legal advice about copyright.

According to the U.S. Copyright Office, copyright "is a form of protection provided by the laws of the United States (Title 17, U.S. Code) to the authors of 'original works of authorship,' including literary, dramatic, musical, artistic, and certain other intellectual works. This protection

is available to both published and unpublished works." For more details, see the website of the U.S. Copyright Office at www.copyright.gov.

In general, Section 106 of the Copyright Act of 1976 gives the copyright owner exclusive rights to the following, allowing him or her to authorize others likewise: to reproduce the works in copies or photorecords, to prepare derivative works based upon the work, to distribute copies or photorecords of the work to the public by sale or transfer of ownership, or by rental, lease, or lending, to perform the work publicly, in the case of literary, musical dramatic, and choreographic works, pantomimes, and motion pictures, and other audiovisuals, and in the case of sound recordings, to perform the work publicly by means of a digital audio transmission.

Authors of visual art also have the rights of attribution and integrity, as described in Section 106A of the Copyright Act of 1976. Additional information regarding the registration of works of visual arts can be found in Circular 40, "Copyright Regulation for Works of the Visual Arts," prepared by the U.S. Copyright Office.

While *it is illegal for anyone to violate any of the rights established for copyright owners*, there are limitations or exceptions to these rights. Of particular interest to educators and students are four exceptions under certain conditions: works in the public domain, "Fair Use," the Digital Millennium Copyright Act (DMCA), and the "TEACH Act."

Public Domain

Copyrighted works may eventually fall into the "public domain" and, at that point, may be freely used without permission. In general, such works include those for which the copyright has expired or has been lost, works produced by the federal government, and works that lack sufficient originality to qualify for copyright protection (e.g., standard calendars, charts, rulers, etc.).

Fair Use

The "Fair Use" doctrine allows educators and students to use copyrighted materials without seeking prior approval to certain types of resources under certain conditions. The fact alone that the intended use is educational does not remove restrictions; the "four fair use factors" must be considered in total:

I. The purpose and character of the use, including whether the use is of a commercial nature or is for nonprofit educational purposes;

II. The nature of the copyrighted work;

III. The amount and substantiality of the portion used in relation to the copyrighted work as a whole, and

IV. The effect of the use upon the potential market for or value of the copyrighted work.

"Fair Use" analysis is based on reasonable efforts by reasonable individuals and, as a result, is sometimes subjective. Educators enjoy some protection from infringement lawsuits because of Section 504(c) (2) of the Copyright Act. This protection is called "the good faith fair use defense" and is based on "a reasonable, good faith determination" by educational employees that their use of copyrighted materials falls under the exceptions for "fair use": *i.e., employees, acting within the scope of their employment, who make a reasonable, good faith decisions that their use of copyrighted materials falls under the "Fair Use" doctrine, are protected from statutory damages in court cases that find copyright infringements have occurred if they believe and have reasonable grounds for believing that their use was fair.*

Central Alabama Community College students are expected to act responsibly and legally by applying "Fair Use" principles to the completion of their activities and projects. The College does not assume legal responsibility for violations of applicable copyright law. Student employees are subject to all college policies relating to faculty and staff.

Digital Millennium Copyright Act (DMCA)

In 1998, Congress revised copyright provisions to meet the demands of the digital age and to offer certain protections to educational entities that offer online resources, thus qualifying as Online Service Providers (OSPs). More specifically, the DMCA:

- Prohibits the "circumvention" of "technological protection measures" (e.g., password or form of encryption) used by a copyright holder to restrict access to its material;

- Prohibits the manufacture or offering of any device or service designed to defeat such protective measures;

- Makes no change to the "Fair Use" doctrine and expressly states that valuable activities based on the "Fair Use" doctrine (e.g., reverse engineering, security testing, privacy protection, and encryption research) do not constitute illegal "anti-circumvention";

- Exempts any OSP or carrier of digital information (including libraries) from copyright liability because of the content of a transmission made by a user of the provider's or carrier's system (e.g., the user of a library system or College network)

- Establishes a mechanism for a provider to avoid copyright infringement liability due to the storage of infringing information on an OSP's own computer system, or the use of "information location tools" and hyperlinks, if the provider acts "expeditiously to remove or disable access to" infringing material identified in a formal notice by the copyright holder.

Title 17 of the U.S. Code and more recently the Digital Millennium Copyright Act, 105 PL 304 also outline that it is illegal to distribute copyrighted music in any form, including digital mp3 files, without a license to do so from the copyright holder. It is a violation of College policies to use the campus network for illegal activities or in a manner that consumes capacity and services needed for instruction, research, and other core purposes. The *individual* using electronic

resources (e.g., computers, campus network, Internet access, etc.) is responsible for adhering to all college polices and guidelines as well as all copyright and legal restrictions.

Central Alabama Community College has appointed Denita Pasley as the College Copyright Agent to receive notification of claimed infringement from a copyright owner as required by the Digital Millennium Copyright Act.

The 2002 Teach Act

The 2002 Technology, Education and Copyright Harmonization (TEACH) Act updates U.S. Copyright law to extend privileges for legally using copyrighted materials with distance education technology and clarifies terms and conditions under which educational institutions can use copyrighted materials in an online educational format without permission from the copyright owner.

TEACH allows instructors and students at an accredited, nonprofit educational institution to transmit performances and displays of copyrighted works as part of a course if certain conditions are met. If these conditions are not or cannot be met, use of the material must qualify as fair use or permission from the copyright holder(s) must be obtained. The provisions of the TEACH Act require certain administrative and technological restrictions on the distribution of copyrighted materials as well as education of instructors and students in copyright requirements.

Some of the key elements of the TEACH Act include:

I. Limit access to copyrighted works to only those students currently enrolled in the class;

II. Limit access for the time needed to complete the class session or course;

III. Inform instructors, students, and staff of copyright laws and policies;

IV. Prevent further copying or redistribution of copyrighted works;

V. Do not interfere with copy protection mechanisms;

VI. Apply "Fair Use" doctrine to print and digital environments;

VII. Apply "Fair Use" doctrine even when there are no established guidelines for particular uses of copyrighted materials.

Summary of Penalties for Copyright Violation

Students and employees should be aware that unauthorized distribution of copyrighted material, including peer-to-peer file sharing, may subject them to civil and criminal liabilities.

Copyright infringement is the act of exercising, without permission or legal authority, one or more of the exclusive rights granted to the copyright owner under Section 106 of the Copyright Act (Title 17 of the U.S. Code). These rights include the right to reproduce or distribute a

copyrighted work. In the file-sharing context, downloading or uploading substantial parts of a copyrighted work without authority constitutes an infringement.

Penalties for copyright infringement include civil and criminal penalties. In general, anyone found liable for civil copyright infringement may be ordered to pay either actual damages or "statutory" damages affixed at not less than $750 and not more than $30,000 per work infringed. For "willful" infringement, a court may award up to $150,000 per work infringed. A court can, in its discretion, also assess costs and attorneys' fees. For details, see Title 17, United States Code, Sections 504, 505.

Willful copyright infringement can also result in criminal penalties, including imprisonment of up to five years and fines of up to $250,000 per offense.

In addition, students found to be in violation of copyright laws will be disciplined in accordance with the College Student Code of Conduct found in the College catalog. Employees found to be in violation of copyright laws will be disciplined in accordance with the College Personnel Handbook.

Legal Alternatives to Illegal Downloading

The College recommends students and employees utilize the information provided by *Educause* at their Legal Source of Online Content site at www.educause.edu/legalcontent to determine legal alternatives to illegal downloading or otherwise acquiring copyrighted material. The site is a regularly maintained and updated list of legal content sources for use by students and employees. Any questions about this information should be directed to the College's Copyright Agent.

Copyright and College Web Pages

Web pages hosted by Central Alabama Community College are subject to all copyright policies. Any individual who wishes to post copyrighted materials on his/her web page or a College webpage is advised to secure, in advance, in writing, permission of the copyright holder and provide a copy of that documentation to the College's Copyright Agent. Anyone who posts copyrighted materials on his/her web page or a College web page without first securing and providing proof of permission from the copyright holder is individually liable for copyright infractions.

Copyright and Distance Education

Faculty and staff are encouraged to secure copyright permission, a license, or a legal basis for use of someone else's intellectual property without permission before using the material. Instructors involved in distance education may use copyrighted materials that meet the following as prescribed by the TEACH Act:

I. Avoid use of commercial works that are sold or licensed for purposes of digital distance education;

II. Avoid use of pirated works or works where it is otherwise known that the copy was not lawfully made;

III. Limit use of works to an amount and duration comparable to what would be displayed or performed in a live physical classroom setting;
For example, TEACH does not authorize the digital transmission of textbooks or course packs to students.

IV. Supervise the digital performance or display, make it an integral part of a class session, and make it part of a systematic mediated instructional activity.
For example, instructors should interactively use the copyrighted work as part of a class assignment in the distance education course. The copyrighted work should not be an entertainment add-on or passive background/optional reading. Enrolled students may post to distance education class pages as long as there is actual supervision by the instructor. Actual supervision does not require prior approval for posting nor does it require real-time or constant presence of the instructor.

V. Access to software tools provided by the College limits use to the students enrolled in the course, prevents downstream copying by those students, and prevents these students from retaining the works for longer than a "class session."

VI. Notify students that the works may be subject to copyright protection and that they may not violate the legal rights of the copyright holder through the posting of the message below on all distance education class sites:

The materials on this course website are only for the use of students enrolled in this course for the purposes associated with this course and may not be retained or further disseminated.

Student Works and Copyright
Faculty members should be aware that students own the copyright to their work, including papers and assignments they have completed; therefore student works are protected by copyright regulations. Faculty should have written permission from the student copyright holder to use their works. Any student work that is to be placed on reserve must be accompanied by the written and signed permission of the student to do so (specifying name, contact information, title of item[s], statement giving permission, and dates included). However, materials used on any of the College course web sites or notes obtained from an instructor are only for the use of students enrolled in Central Alabama Community College for the purposes associated with the course and may not be retained, disseminated, or sold without permission of the Dean of Instruction/Designee.

Plans to Effectively Combat Copyright Violations
Central Alabama Community College utilizes the following strategies to effectively combat copyright violations:

I. Uses the services of the Alabama Supercomputer Authority to deter peer to peer copyright infringement. The Supercomputer Authority provides content filtering services to prevent peer to peer connections as well as proxy connections to bypass such filters.

II. Informs students and employees through annual notifications as well as information and resources on the College website, College Catalog, and College Employee Handbook.

III. Reviews on a periodic basis of the College's policies and practices by the College Copyright Agent who monitors and examines any violations in order to improve College policies or practices.

TUITION & FEES

August 17, 2016 – August 2017

2016-2017 Tuition and Fee Schedule						
In-State						
Credit Hours	In-State Tuition	Facilitiy Fee	Technology Fee	Bond Fee	Special Building Fee	In-State Total
1	$117	$9	$9	$1	$10	**$146**
2	$234	$18	$18	$2	$20	**$292**
3	$351	$27	$27	$3	$30	**$438**
4	$468	$36	$36	$4	$40	**$584**
5	$585	$45	$45	$5	$50	**$730**
6	$702	$54	$54	$6	$60	**$876**
7	$819	$63	$63	$7	$70	**$1,022**
8	$936	$72	$72	$8	$80	**$1,168**
9	$1,053	$81	$81	$9	$90	**$1,314**
10	$1,170	$90	$90	$10	$100	**$1,460**
11	$1,287	$99	$99	$11	$110	**$1,606**
12	$1,404	$108	$108	$12	$120	**$1,752**
13	$1,521	$117	$117	$13	$130	**$1,898**
14	$1,638	$126	$126	$14	$140	**$2,044**
15	$1,755	$135	$135	$15	$150	**$2,190**
16	$1,872	$144	$144	$16	$160	**$2,336**
17	$1,989	$153	$153	$17	$170	**$2,482**
18	$2,106	$162	$162	$18	$180	**$2,628**
19	$2,223	$171	$171	$19	$190	**$2,774**
20	$2,340	$180	$180	$20	$200	**$2,920**
21	$2,457	$189	$189	$21	$210	**$3,066**
22	$2,574	$198	$198	$22	$220	**$3,212**
23	$2,691	$207	$207	$23	$230	**$3,358**
24	$2,808	$216	$216	$24	$240	**$3,504**

2016-2017 Tuition and Fee Schedule						
Out-of-State						
Credit Hours	Out-of-State Tuition	Facilitiy Fee	Technology Fee	Bond Fee	Special Building Fee	Out-of-State Total
1	$234	$9	$9	$1	$10	**$263**
2	$468	$18	$18	$2	$20	**$526**
3	$702	$27	$27	$3	$30	**$789**
4	$936	$36	$36	$4	$40	**$1,052**
5	$1,170	$45	$45	$5	$50	**$1,315**
6	$1,404	$54	$54	$6	$60	**$1,578**
7	$1,638	$63	$63	$7	$70	**$1,841**
8	$1,872	$72	$72	$8	$80	**$2,104**
9	$2,106	$81	$81	$9	$90	**$2,367**
10	$2,340	$90	$90	$10	$100	**$2,630**
11	$2,574	$99	$99	$11	$110	**$2,893**
12	$2,808	$108	$108	$12	$120	**$3,156**
13	$3,042	$117	$117	$13	$130	**$3,419**
14	$3,276	$126	$126	$14	$140	**$3,682**
15	$3,510	$135	$135	$15	$150	**$3,945**
16	$3,744	$144	$144	$16	$160	**$4,208**
17	$3,978	$153	$153	$17	$170	**$4,471**
18	$4,212	$162	$162	$18	$180	**$4,734**
19	$4,446	$171	$171	$19	$190	**$4,997**
20	$4,680	$180	$180	$20	$200	**$5,260**
21	$4,914	$189	$189	$21	$210	**$5,523**
22	$5,148	$198	$198	$22	$220	**$5,786**
23	$5,382	$207	$207	$23	$230	**$6,049**
24	$5,616	$216	$216	$24	$240	**$6,312**

In-State Tuition for ***Internet*** courses is $146 per semester hour with no additional fees.

Out-of-State tuition for ***Internet*** courses is $263.00 per semester hour with no additional fees.

Audit Fee..... Same as regular tuition and fees

Community Service Courses.....Determined by the College per course

Associate & Certificate Fee (nonrefundable) $20.00

Associate Degree and Certificate Fee (non-refundable).....$20.00

Backdated Degree (nonrefundable) $35.00
(Available for one calendar year previous and contingent upon availability of appropriate authorizing signatures.)

Graduation Expense – The cost of cap and gown depends on current rental rate
(Additional shipping fee is charged if ordered after the published deadline.)

Returned Check Fee ..... Maximum amount by law

Library Fine (per day).....$ 0.25

Student Accident Insurance - for applicable courses (per semester)* $4.45

Malpractice Insurance - Nursing students (annual)* Renewal in July $15.00

NOTE: Tuition and fees are subject to change without notice upon approval from the Chancellor's Office and the Alabama Community College System Board of Trustees.

****Insurance premiums are subject to change by the insurance companies without notice.***

PAYMENT

All tuition and fees must be paid or confirmed by the Financial Aid Office by the advertised tuition deadline; otherwise, the student's schedule will be deleted. If deleted, students may re-register for open classes. All tuition and fees for these classes must be paid or confirmed by the Financial Aid Office by the advertised tuition deadline; otherwise, the student's schedule will be deleted. Common forms of financial assistance include Pell Grants, Stafford Loans, Supplemental Educational Opportunity Grants, Institutional Scholarships, Vocational Rehabilitation, WIA, TAA, Veteran's Rehabilitation, etc.

WITHDRAWALS & REFUNDS

The official withdrawal forms may be obtained in the Office of Student Services. The refund of tuition and fees is rounded to the nearest dollar and is computed according to the student's last date of attendance. Student accident insurance and malpractice insurance are nonrefundable after the first day of the semester.

For withdrawal purposes, during mini-sessions a week is defined as two days. No refunds after the sixth class day. Refund checks are processed three to six weeks after the first day of the semester as published in the College Catalog and semester schedule.

Students who are active members of the Alabama National Guard or reservists who are called to active duty in the time of national crisis will receive a full tuition refund at the time of withdrawal if the student is unable to complete the semester due to active duty orders. If a National Guard student is receiving Title IV funding, a re-calculation must be performed as required by Federal Title IV regulations, which could result in less than a 100% refund.

Partial Withdrawal

Students who do not completely withdraw from the College but drop a class during the drop/add period will be refunded the difference in the tuition paid and the tuition rate applicable to the reduced number of hours, including fees appropriate to the classes dropped. There is no refund due to a student who partially withdraws after the official drop/add period.

Complete Withdrawal

A student who officially withdraws from the College before completing the semester may claim a refund according to the following schedule:

Withdrawal before the first day of the term as published in the College Catalog and semester schedule	100% of tuition and fees refunded
Withdrawal during the first week of classes	75% of tuition and fees refunded
Withdrawal during the second week of classes	50% of tuition and fees refunded
Withdrawal during third week of classes	25% of tuition and fees refunded
Withdrawal after close of third week of classes	No refund

Any student involved in an incident such as, but not limited to, unsatisfactory clinical performance will receive the grade of "F" in the course, which will not be posted until the end of the semester to the student's transcript. The student will not be allowed to withdraw regardless of the College published withdrawal date. **This policy supersedes the College withdrawal policy.** ***A student assigned a failing grade by an instructor in the aforementioned circumstance may appeal the grade using the published grade appeal process outlined in the Student Handbook.***

Delinquent Accounts

A student who has a delinquent account at the College for any fee or fine may not complete registration until his/her account has been satisfied. The College may withhold transcripts and diplomas until any indebtedness is paid. As required by the State of Alabama, the College may use any legal means to collect the amount due. Delinquent accounts will be referred to outside collection agencies and will be reported to national credit bureaus. Should it become necessary for CACC to retain an attorney or collection agency to secure payment of any amount due, the debtor is responsible for paying all attorney's fees, court costs, and collection agency charges.

Withdrawal from Community Service Courses
Refunds for community service courses must be requested before the first class meeting. No refunds are available for community service courses after the student attends a class. If eligible, students may receive a refund of community service course fees by completing a refund request form located in the Office of Records.

GUIDELINES FOR DETERMINING ELIGIBILITY FOR TUITION RATES

Students or prospective students described in either Part A or Part B below shall be eligible for in-state tuition rates. Nonresident students described in Part B must submit documentation to the Admissions Office for determination of whether or not a student meets the criteria.

I. Resident Students
A resident student is a person who:

a. Is a citizen of the United States and has been a legal resident of the State of Alabama for at least 12 months immediately preceding admission, or whose non-estranged spouse has been a legal resident of the State of Alabama for such period, or (in the case of minors or dependent students) whose parent(s) or legal guardian has been a legal resident of the State of Alabama for such period; or,

b. Is a member of the Armed Forces of the United States and officially stationed in Alabama at the time of admission, or whose non-estranged spouse, or (in the case of dependent students) whose parent(s) or legal guardian is a member of the Armed Forces of the United States and officially stationed in Alabama at the time of registration.

II. Non-Resident Students Eligible for In-state Tuition Rates

III. A student may be eligible for in-state tuition who:

a. Is a dependent whose parent(s) or legal guardian has taken full-time permanent employment in Alabama and will commence said employment within 90 days of admission; or

b. Is not a dependent but who holds full-time permanent employment in Alabama or whose non-estranged spouse holds permanent full-time employment in Alabama and employment will commence within 90 days of admission; or resides in Harris, Heard, or Troup County, Georgia, and attends the Alexander City campus of Central Alabama Community College.

c. A Veteran using educational assistance under either Chapter 30 (Montgomery G.I. Bill® - Active Duty Program) or Chapter 33 (Post-9/11 G.I. Bill®), of Title 38, United States Code, who lives in the State of Alabama while attending a school located in the State of Alabama (regardless of his/her formal State of residence)

and enrolls in the school within three years of discharge from a period of active duty services of 90 days or
more.

d. Anyone using transferred Post-9/11 G.I. Bill® benefits (38 U.S.C. § 3319 who lives in the State of Alabama while attending a school located in the State of Alabama (regardless of his/her formal State of residence) and enrolls in the school within three years of transferor's discharge from a period of active duty service of 90 days or more.

e. A spouse or child using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b)(9) who lives in the State of Alabama while attending a school located in the State of Alabama (regardless of his/her formal State of residence) and enrolls in school within three years of the Service member's death in the line of duty following a period of active duty service of 90 days or more.

f. Anyone described in items **"c", "d" or "e"** while he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same school. The person so described must have enrolled in the school prior to the expiration of the three year period following discharge or death described above and must be using education benefits under either Chapter 30 or chapter 33, of Title 38, United States Code.

IV. Out-of-State Students

Any student who does not fall into one of the categories described above for in-state tuition eligibility shall pay tuition and fees at the out-of-state rate.

An out-of-state student cannot attain resident status simply by attending school for twelve months in the State of Alabama. In determining resident student status for the purpose of charging tuition, the burden of proof lies with the student.

OTHER PROGRAMS
&
SERVICES

ADULT EDUCATION & SKILLS TRAINING

Adult Education

Central Alabama Community College Adult Education program provides community based classes offering instruction in GED Test Preparation, Basic Academic Skills, Beginning Literacy, Life skills/Work skills, and English for Speakers of other Languages. These free classes are available in a variety of morning, afternoon, and evening formats designed to accommodate the schedules of adult learners (ages seventeen and older) who live in the College's service area (Coosa County, portion of Shelby County, Talladega, and Tallapoosa Counties, the City of Tallassee and a portion of Clay County).

Skills Training

Central Alabama's Skills Training program offers short-term, non-credit training courses for non-traditional students. These skills based courses are designed to offer training for employment for students who may not be qualified to pursue a degree or certificate, but who may benefit from the opportunity to complete a short licensure or competency-based course. Truck driver training prepares students to attempt to pass the Commercial Driver License (CDL) test. Office careers classes prepare students for employment in an office environment. Welding classes (non-credit) provide students the welding skills needed for entry-level employment. Additional skills training courses may be offered to meet local workforce demands.

THE ALABAMA TECHNOLOGY NETWORK CENTER

The Alabama Technology Network (ATN) of the Alabama Community College System links two-year colleges, the University of Alabama System, Auburn University, and the Economic Development Partnership of Alabama together to solve the needs of the state's existing manufacturing industry. This link allows Alabama manufacturers to "make things better in their business." As Alabama's Affiliate of the National Institute of Standards and Technology's Manufacturing Extension Partnership, ATN employees are able to provide services through a variety of training options and methods. Whether it is through Lean manufacturing training, quality services training, continual improvement methods, environmental health and safety training, industrial maintenance training, or one of the many other services offered to Alabama manufacturers, the ATN team of experts can meet local needs and provide innovative and cost-effective solutions. ATN's sites are strategically located throughout the state to provide local points of contact in order to train Alabama manufacturers in need of assistance.
For further information, call 256/215-4306.

CAPSTONE SCHOOL OF NURSING PARTNERSHIP

Central Alabama Community College has a partnership with Capstone College of Nursing at The University of Alabama for the purpose of providing registered nurses an avenue for continued quality education. Registered nurses are afforded opportunities to obtain a Bachelor of Science in Nursing (BSN) and/or Master of Science in Nursing (MSN) degree. All of the BSN and MSN courses are offered online and students are never required to come to The University of

Alabama's campus. Distance learning methods (interactive telecommunications, online and Internet) are utilized to provide nursing courses through The University of Alabama College of Continuing Studies and the Capstone College of Nursing.

Faculty from the Nursing and Allied Health Division will assist the faculty at Capstone College of Nursing in facilitating the registered nurse's obtainment of clinical experiences while remaining within the College's geographical area. Some of the non-nursing academic courses that are required for the fulfillment of a BSN degree may be obtained at Central Alabama.

COLLEGIATE DELI

The Collegiate Deli, located adjacent to the lobby area of the W. Byron Causey Health, Education and Arts Complex on the Alexander City campus, is a deli serving breakfast and lunch at reasonable costs. Options include salads, deli sandwiches, and combo meals. The Collegiate Deli is open to the public. It is independently owned and operated. For further information, call 256/215-4007.

COMMUNITY SERVICE COURSES

Professional development and special interest courses include noncredit learning experiences offered by the College. Courses may be scheduled each semester and may include short-term courses, special conferences and workshops, and other personal and cultural enrichment programs. Courses will be offered if there is sufficient interest from the community and if qualified instructional personnel are available. A minimum fee is charged for community service courses. For further information, call 256/215-4302 in Alexander City, 256/378-5576 in Childersburg after 4:00 p.m. or 256/480-2066 in Talladega.

DISTANCE EDUCATION COURSES

Central Alabama Community College offers various opportunities for students to take courses in nontraditional settings including courses via the Internet. Students enrolling in Internet classes are required to have a Central Alabama Community College issued e-mail account and have access to a personal computer. For further information, contact the Chair for Distance Education.

All online course exams are scheduled by the individual online instructor. The campus location, time and dates of all exams are the responsibility of the online instructor. All students taking an online course should get their exam information from their specific online instructor. **If a student has a conflict in taking an online exam due to a scheduled class meeting or a scheduled final exam in a traditional class, the online instructor will need to make arrangements to give the student an alternative time to take the exam.**

Students who have failed Internet courses in the past are encouraged to take traditional classes.

Interactive Distance Learning courses are taught from one site and remotely transmitted to another site. Through the use of the remote system, students can interact with other students and the instructor. Students registered in an Interactive Distance Learning course are required to attend the course at the designated meeting times.

HEALTH LINKAGE PROGRAM

The Health Linkage Program with Wallace State in Hanceville enables students to complete their general education core courses at Central Alabama before transferring to Wallace State's health programs. The programs addressed by this linkage program are Child Development, Clinical Laboratory Technician, Dental Assisting, Dental Hygiene, Diagnostic Medical Sonography, Health Care Information Programs, Human Services, Medical Assistant, Occupational Therapy Assistant, Pharmacy Technology, Physical Therapist Assistant, Respiratory Therapy, and Sports Medicine. Interested students should contact the Office of Student Services at 256/215-4275.

INSTITUTIONAL RESEARCH, PLANNING, AND COMPLIANCE

Central Alabama Community College is committed to providing a quality environment with opportunities for students to develop knowledge and skills. The College institutional effectiveness effort includes the collection of evaluative information to assist in identifying strengths and weaknesses of all facets of the College. Central Alabama assesses its instructional programs, surveys student perceptions and opinions, measures student intellectual growth in the general education core in degree and certificate programs, and measures growth in knowledge and skills in career and technical programs.

Results of research projects, surveys, testing, and/or evaluation data are published periodically. These combined processes offer a broad base of assessment and evaluation data on all facets of the College. Summaries and results from these types of institutional effectiveness efforts are utilized by the administration, faculty, and staff in identifying strengths and weaknesses and aiding in the continuous improvements of the College.

DEVELOPMENTAL EDUCATION

In order to meet the needs of under-prepared students, Central Alabama Community College offers developmental courses through its developmental education program. Developmental courses in reading, English, and mathematics assist students in developing skills necessary for success in credit-level courses. Students are placed in developmental courses based on their scores on placement tests administered prior to their first term of enrollment. The entire developmental education program is designed to assist students in becoming successful in transitioning into fully prepared college students.

WORKKEYS®

In an effort to meet the needs of business and industry in the College's service area, Central Alabama Community College has been designated as an ACT WorkKeys Service Center. WorkKeys assesses an individual's skills through a work-related problem-solving process. Profilers have been trained to assist in identifying skill levels required for particular positions within a business or industry. The Service Center is available to assess candidates for hiring, for promotion, or to identify gaps in training. Appropriate training can be provided at the Service Center located on the Childersburg or Alexander City campus.

ACT TESTING

The Alexander City campus is an approved test center for the ACT. To register to take the test or check testing dates, etc. please visit the website: www.actstudent.org. Tests are administered in September, October, December, February, April, and June; but students must register with ACT prior to the test date registration deadline.

GENERAL POLICIES

ACADEMIC BANKRUPTCY

I. Academic bankruptcy occurs when a student requests the removal of one to three semester(s)/term(s) of grades from his/her cumulative GPA. The grade(s) will remain on the transcript but will not be counted in the student's cumulative GPA and will not count toward degree requirements for graduation. A student must complete the "Request for Academic Bankruptcy" form located in the Office of Student Services. The Office of Records will declare academic bankruptcy status under the following conditions:

a. If fewer than three calendar years have elapsed since the semester for which student wishes to declare bankruptcy, the student may declare academic bankruptcy on all course work taken during that one semester provided the student has attempted a minimum of 18 semester credit hours of course work at the College since the bankruptcy semester occurred. All course work taken, even hours completed satisfactorily, during the semester for which academic bankruptcy is declared will be disregarded in the cumulative grade point average.

b. If three or more calendar years have elapsed since the most recent semester for which the student wishes to declare bankruptcy, the student may declare academic bankruptcy on all course work taken during one to three semesters provided the student has attempted a minimum of 18 semester credit hours of course work at the College since the bankruptcy semester occurred. All course work taken, even hours completed satisfactorily, during semester for which academic bankruptcy is declared will be disregarded in the cumulative grade point average.

II. When academic bankruptcy is declared, the term "ACADEMIC BANKRUPTCY" will be reflected on the transcript for each semester/term affected.

III. A student may request academic bankruptcy only once.

IV. Implementation of academic bankruptcy at the College does not guarantee that other institutions will approve such action. This determination will be made by the respective transfer institutions.

V. Students will not be allowed to request bankruptcy for a term(s) for which course forgiveness was granted.

ACADEMIC HONORS

Superior academic achievement by graduating students receiving degrees is recognized by the following designations:

Graduation with Honors (or Cum Laude)	3.5 to 3.69 GPA
Graduation with High Honors (or Magna Cum Laude)	3.7 to 3.89 GPA
Graduation with Highest Honors (or Summa Cum Laude)	3.9 to 4.0 GPA

Students receiving the formal award of a certificate with a 3.5 to 4.0 GPA will be honored by Graduation with Distinction.

Calculation of the grade point average (GPA) for graduation honors shall be identical to that method used to calculate the GPA to fulfill graduation requirements for the degree or certificate being earned (refer to Calculation of Grade Point Average). In addition, in order to be eligible for a graduation honor, the student must have completed a minimum of 24 semester credit hours at the College.

Dean's List

The Dean's List is compiled at the close of each semester by the Dean of Instruction. To qualify for the Dean's List, a student must be taking a minimum of 12 hours of college-level work and achieve a semester grade point average of 3.5 or above but below 4.0. Developmental courses will not count toward the minimum course load requirement.

President's List

The President's List is compiled at the end of each semester. To qualify for the President's List, a student must be taking a minimum of 12 hours of college-level work and achieve a grade point average of 4.0. Developmental courses will not count toward the minimum course load requirement.

ATTENDANCE

Class attendance is critical for ensuring academic success; therefore, students are expected to attend all classes for which they are registered. Attendance will be recorded from the first day of the student's official enrollment. It is important for students to arrive to class at the designated start time to avoid interrupting the class and missing valuable information.

It is recommended that students who are unable to attend class regularly, regardless of the reason or circumstance, withdraw from that class before poor attendance interferes with the student's ability to achieve the objectives required in the course. Withdrawal from class may affect eligibility for federal financial aid. Students should check with a financial aid officer and academic support coach before withdrawing from any class.

It is recognized that from time to time, extenuating circumstances may prevent a student from being able to attend a class. If the student misses a test or in-class assignment because of such an absence, make-up assignments may be given at the instructor's discretion. However, there is no requirement that the instructor provide the opportunity for a make-up. If the student was scheduled to make a presentation to the class, the opportunity to make the presentation at a later date or to the instructor outside the scheduled class time is at the instructor's discretion. There is no requirement that the instructor provide a make-up opportunity for students who miss their scheduled presentation dates.

If the instructor conducts a classroom exercise in which students are graded for their participation, any student who is absent may receive a "0" for that particular activity at the

instructor's discretion. In all cases of absences, the student is responsible for acquiring assignment information and making up incomplete work resulting from such absences.

Students will be deleted from course rosters for the following reasons:

I. The student has not attended the traditional/hybrid class.

II. The student is registered in an Internet class and has not logged into the assigned Moodle account and has not completed the mandatory online orientation assignment.

III. The student is enrolled in an online Math class and has not completed the online orientation quiz by the published date on the College website each semester.

If a student is deleted based upon a verifiable error made by the College, the student will be reinstated. Any student who wishes to appeal being dropped from a class due to lack of attendance should complete a "Request for Reinstatement" form available in the Office of Student Services.

Guidelines for Determining Make-up Work

The following guidelines are provided for instructors who wish to implement policies for make-up work for absences resulting from extenuating circumstances.

I. Absences that occur because of emergencies (e.g., accidents, illness, court appearance, or death of an immediate family member) may be excused with proper notification to the instructor. Proper notification requires documentation as determined by the instructor. Recommended examples include a copy of an accident report, a hospital admittance form, a doctor's excuse, subpoena, or a death announcement. The student should provide notification prior to the class that is to be missed. ***Instructors are not required to implement make-up policies.***

II. Absences that occur as a result of federal or state statute (e.g., military service) or jury duty/subpoena will be excused upon proper notification to the instructor. Proper notification will allow for make-up work, either in advance or following the event; timing is at the instructor's discretion.

III. At the end of the semester, the instructor for a course may assign a grade of "I" when a student's work in a course is incomplete because of circumstances beyond the student's control, or the student may withdraw according to the College withdrawal policy.

AUDIT

Students may apply to audit one or more courses without credit. Nursing courses are not open to audit. The same registration procedure is followed as for courses carrying credit and the same fee is charged as for courses bearing credit. Credit hours will not be averaged into the grade point average. A grade of "AU" will be reflected on the transcript.

The desire to audit a course must be declared at the time of registration and may not be changed thereafter once the first official day of class has started for the semester/term. It is the responsibility of the student to notify the instructor that the student is auditing the class and not receiving credit.

CLASSIFICATIONS OF STUDENTS

Students who have earned 32 semester hours or less are classified as freshmen. Those who have earned 33 hours or more are classified as sophomores.

Students who are registered for 12 semester hours or more are classified as full-time students by the College. However, other organizations not connected with the College, such as the Veterans Administration, may use other classifications. In order to graduate within two years, at a minimum, student must pass 15 credit hours per semester.

COURSE FORGIVENESS

Students may only request "course forgiveness," for courses taken at Central Alabama Community College. Students must complete the "Request for Course Forgiveness" form located in the Office of Student Services. The Course Forgiveness Policy will be implemented only in response to an official request made by the student to the Dean of Students/Associate Dean of Student Services. Course forgiveness will not be granted for grades earned in terms prior to the initiation of the policy (Fall Semester, 1998).

If a student repeats a course, the last grade awarded (excluding grades of "W") replaces the previous grade in the computation of the cumulative grade point average. The grade point average during the semester in which the course was first attempted will not be affected. The official transcript will list the course and grade each time it is attempted.

When a course is repeated more than once, all grades for the course excluding the first grade will be included in computation of the cumulative grade point average. Official records at Central Alabama Community College will list each course in which a student was enrolled.

CREDIT HOUR DEFINITION

One semester credit hour will be awarded for a minimum of 750 minutes of formalized instruction that typically requires students to work at out-of-class assignments an average of twice the amount of time as the amount of formalized instruction (1,500 minutes). It is acknowledged that formalized instruction may take place in a variety of modes.

While awarding semester credit hours typically occurs for instruction delivered in accordance with the institution standard semester calendar, it may also occur for instruction that may not

follow the typical pattern of the institution standard semester calendar as long as the criteria for awarding such credit is met.

FINAL EXAMINATIONS

Final examinations are held in all subjects at the close of each semester when deemed appropriate by the instructor. A final examination schedule is issued each semester by the Dean of Instruction and is posted on the College website each semester.

GRADE REPORTS

Grades are available at My CACC, which is a web portal for student use and is found on the CACC website. Students can obtain their user ID and Personal Identification Number (PIN) from the Office of Student Services.

GRADING SYSTEM

For all courses for which students have registered, letter grades are assigned as follows:

A Excellent (90-100)
B Good (80-89)
C Average (70-79)
D Poor (60-69)
F Failure (Below 60)
SA, SB, or SC Satisfactory
UD, or UF Unsatisfactory
W Withdrawal
I Incomplete
AU Audit

Certain departments may have higher grade requirements. The grading scale for courses taught in the Division of Nursing and Allied Health differs from the scale above.

A grade of "W" is assigned to a student who officially withdraws from classes.

A grade of "I" is assigned when a student's work in a course is incomplete because of circumstances beyond his/her control, but is otherwise of passing quality. Unless the deficiency is made up by the middle of the following semester/term, the grade of "I" automatically becomes "F." Please refer to the section on Grades of Incomplete "I."

Some classes may be graded on a Satisfactory/Unsatisfactory basis. If a student receives a "SA", "SB", or "SC", the grade is satisfactory and the student may progress. If the student receives an "UD", or "UF", the grade is unsatisfactory and the student must repeat the course.

The transfer of "D" grades will be in accordance with the policy of the receiving institution.

Quality Points
To obtain a numerical measure of the quality of a student's work, quality points are assigned to grades as indicated below:

A 4 quality points per semester hour
B 3 quality points per semester hour
C 2 quality points per semester hour
D 1 quality point per semester hour
F 0 quality points per semester hour

Grade Point Average (GPA) Hours
GPA hours are defined as semester hours for any course completed excluding developmental courses and courses with a grade of "AU" or "W."

Calculation of Grade Point Average
The quality point average of the student is determined by multiplying the number of quality points for each grade received by the number of semester hours for that course. The total number of quality points is divided by the total grade point average (GPA) hours, excluding courses with "W" grades. Even though a course may be counted only once toward fulfillment of credit for graduation, all courses completed are reflected in the cumulative GPA. The only exceptions are in the case (s) of academic bankruptcy, developmental courses, or courses with "W" grades.

To qualify for graduation, a student must earn a 2.0 cumulative grade point average in all courses attempted at the College.

Academic Standards of Progress
In order to remain in "Good Standing," students must meet the required grade point average (GPA) levels for students according to the number of hours attempted at Central Alabama:

I. Students who have attempted 12-21 semester credit hours at the College must maintain a 1.5 cumulative grade point average.

II. Students who have attempted 22-32 semester credit hours at the College must maintain a 1.75 cumulative grade point average.

III. Students who have attempted 33 or more semester credit hours at the College must maintain a 2.0 cumulative grade point average.

Application of Academic Standards of Progress

I. When the cumulative GPA is at or above the GPA required for the total number of credit hours attempted at the College, the student's status is "Clear".

II. When a student's cumulative GPA is below the GPA required for the number of credit hours attempted at the College, the student is placed on **Academic Probation**.

When the cumulative GPA of a student who is on Academic Probation remains below the GPA required for the total number of credit hours attempted at the College, but the semester GPA is 2.0 or above, the student remains on Academic Probation.

III. When the cumulative GPA of a student who is on Academic Probation remains below the GPA required for the total number of credit hours attempted at the College and the semester GPA is below 2.0, the student is suspended for one semester.

When the cumulative GPA is at or above the GPA required for the total number of credit hours attempted at the College, the student's status is "Clear".

The student who is suspended for one semester may appeal to the Admissions and Academic Appeals Committee.

The student who is readmitted upon appeal enters the College on Academic Probation.

IV. If a student has a) been suspended for ONE semester, b) is on Academic Probation, c) has not achieved CLEAR academic standing, and d) has a cumulative GPA that falls below the required level for the total number of semester hours attempted at the College, but e) has a semester GPA of 2.0, the student will remain on Academic Probation until the required GPA for the total number of hours has been achieved regardless of whether the student has served the suspension or been readmitted upon appeal.

V. If a student has a) been suspended for ONE semester, b) is on Academic Probation, c) has not achieved CLEAR academic standing, and d) has a cumulative GPA that remains below the required level for the total number of semester hours attempted at the College, but e) has a semester GPA of BELOW 2.0, the student will be suspended for ONE calendar year.

The student suspended for one calendar year may appeal to the Admissions and Academic Appeals Committee.

The permanent student record will reflect the student's status (except when the status is clear). When appropriate, the record will reflect ACADEMIC PROBATION, ACADEMIC SUSPENSION-ONE TERM, ACADEMIC SUSPENSION-ONE YEAR, ONE TERM SUSPENSION-READMITTED ON APPEAL, or ONE YEAR SUSPENSION READMITTED ON APPEAL.

When a student is placed on Academic Probation, One Term Academic Suspension, or One Year Academic Suspension, College officials will provide intervention for the student by taking steps including, but not limited to, limiting the student's course load and/or prescribing other specific courses.

If a student wishes to request consideration for readmission, the student must submit a request in writing for an "appeal for readmission." A letter, which details the rationale and/or mitigating circumstances in support of immediate readmission, must be addressed to the Admissions and Academic Appeals Committee and submitted to the Office of Enrollment Services. The materials presented by the students along with the decision of the Admissions and Academic Appeals Committee will be placed in the student's official records. A copy of the written decision will be provided to the student.

Equity, rationality, and consistency are the standards by which decisions are determined by the Admissions and Academic Appeals Committee. The following exceptions may apply:

I. Programs within the College which are subject to external licensure, certification, and/or accreditation or which are fewer than four semesters in length may have higher standards of progress than the College standards of progress.

II. Transfer students admitted on academic probation must follow the standards of academic progress of Central Alabama Community College.

III. Special standards of academic progress have been established for students enrolled in institutional credit courses carrying optional grades and for students who wish to remain eligible to receive Title IV federal financial aid.

Note: The College reserves the right to cancel the registration of any student who fails to meet the required academic standard upon posting of semester/term grades.

GRADES OF INCOMPLETE ("I")

At the end of the semester/term, the instructor for a course may assign a grade of "I" when a student's work in a course is incomplete because of circumstances beyond his/her control, but is otherwise of passing quality. Unless the deficiency is made up by the midterm of the following semester/term, the grade of "I" automatically becomes "F." It is the student's responsibility to arrange with the instructor the satisfactory completion of the course requirements. If the course requirements are met, the instructor submits a grade change to the Dean of Instruction with the appropriate grade assigned.

INDEPENDENT STUDY

Independent studies are approved on a limited basis for students who have extenuating circumstances that prevent them from enrolling in a regularly scheduled course offered by the College. An independent study may not be granted for a course currently taught on campus or through the Internet. Independent study courses will not be approved for completion within a mini-term. The student must have sophomore standing (a dual enrolled student is not eligible) and must be within one semester of graduation. An eligible student may enroll in only one independent study course during any given semester/term and may take no more than two

courses in independent study work at the College. The Dean of Instruction may review past performance in related courses at Central Alabama or other institutions to determine if a student will be approved to enroll in an independent study course. Courses that require laboratories or other courses that do not lend themselves to this type of learning may not be approved for independent study. The ability of the College to offer a student the opportunity for an independent study is dependent on ability of the College to find a qualified instructor. Exceptions to any of the above must be approved by the Dean of Instruction.

Forms for independent studies are available from an advisor. A request must be initiated by the student in consultation with an advisor. Approval of the full-time instructor is required prior to approval by the Division Chair. Final approval must come from the Dean of Instruction.

MAXIMUM & MINIMUM COURSE LOADS

The course load for a first-time student will be 12 to 19 credit hours per semester. The minimum course load required to be classified as a regular full-time student is 12 semester hours. The most typical load is 16 to 19 credit hours, which result in normal progress toward graduation within two years.

A student shall be permitted to take more than 19 semester hours only with the permission of the Dean of Instruction. Prior approval should be obtained by completing a *Request for Overload Approval* form available from the advisor. A student may take no more than 24 semester hours in any one term for any reason.

A student on academic probation is restricted to no more than 12 semester hours.

PREREQUISITES

A student who fails in the first course of a sequence cannot take the succeeding courses before repeating and passing the first course. Prerequisites for a course must be met before the course is taken, unless permission to omit the prerequisites is obtained from the Dean of Instruction. However, transfer institutions may not accept course work if prerequisites have not been met. If a student preregisters for a course while taking the prerequisite and does not pass the prerequisite, the student will be administratively deleted from the course before classes begin for that semester/term.

STUDENT RIGHT-TO-KNOW ACT

Central Alabama Community College is pleased to provide the following information regarding the institution's graduation/completion and transfer-out rates. The information is provided in compliance with the Higher Education Act of 1965, as amended. The rates reflect the graduation, completion and transfer-out status of students who enrolled during the 2011-2012 school year and for whom 150% of the normal time-to-completion has elapsed.

During the fall semester of 2011, 587 first-time, full-time certificate or degree-seeking Undergraduate students entered Central Alabama Community College. After three years, 9% of these students had graduated from our institution or completed their programs and 29% had transferred to other higher education institutions. Questions related to this report should be directed to Dr. Sherri Taylor, Dean of Students at 256-234-4273.

TRANSFER STUDENTS

Transfer students are admitted on clear academic status when their cumulative grade point average at the institution from which they have transferred is 2.0 or above. They are subject to the same standards of academic progress as a native student.

Transfer students are admitted on Academic Probation when their cumulative GPA at the institution from which they have transferred is less than 2.0. A transfer student who is admitted on Academic Probation retains that status until the student has attempted at least 12 credit hours at the College. If, at the conclusion of the term in which the student has attempted a total of 12 or more credit hours at the College, the cumulative GPA is below 1.5, the student is suspended for one semester.

If, at the conclusion of the semester in which the transfer student was admitted on Academic Probation has attempted a total of 12 or more credit hours at the College, the cumulative GPA is 1.5 or above, the student's status is Clear.

Grades accrued at other regionally accredited postsecondary institutions including other Alabama Community Colleges are not included in GPA calculation. Nursing students should refer to the section on Nursing Transfer Policy.

WITHDRAWAL

A student who wishes to partially or totally withdraw from a course(s) must report to the Office of Student Services to complete official withdrawal forms. A student who stops attending class(es) without formally completing an official withdrawal is considered absent and will receive the grade earned according to the requirements of the course syllabus for that class at the end of the semester/term. These policies apply to part-time as well as full-time credit students.

A student may withdraw from a course(s) up to the date published each semester/term for partial or total class withdrawal. The grade of "W" will appear on the permanent record and the credit hours will not be averaged into the grade point average. Administrative withdrawal by instructors is not allowed.

A student who leaves college during or at the end of a semester/term without his/her financial obligations to the College fulfilled is "Not in Good Standing." The student may be denied future enrollment in the College and a hold will be placed on his/her records.

FINANCIAL AID

FINANCIAL AID OVERVIEW

The Financial Aid Office administers student financial aid programs, which provide financial assistance for students who, without such aid, would be unable to attend Central Alabama Community College. Financial aid is designed to assist in the financing of the student's educational expenses. Eligibility for assistance is based primarily on financial need. Need may be defined as the difference between the total cost of education (expenses such as tuition, fees, room, board, books, supplies, etc.) and the amount which the student and the student's family can afford to pay as determined by the Federal Methodology Calculation. Financial aid workshops are offered at area high schools and at Central Alabama Community College locations each year to assist students and parents in understanding financial aid options.

Central Alabama Community College is approved to participate in the following programs: Federal Pell Grants; Federal Supplemental Educational Opportunity Grants (FSEOG); Direct Stafford Loans; Direct PLUS Loans; Federal College Work Study (FCWS); Federal Community Service College Work Study; Alabama Student Assistance Program Grant (ASAP); Vocational Rehabilitation; Workforce Investment Act; and Trade Adjustment Act.

In addition to the above listed programs, Central Alabama also participates in institutional scholarships, privately sponsored scholarships, and benefits for veterans and dependents of veterans.

A brief overview of the basic programs administered by the Financial Aid Office is as follows:

I. ***Federal Pell Grants*** are awarded to students who need money to pay for their education after high school. A Pell Grant is not a loan, so it does not have to be paid back as long as all requirements are being met. The award of a Pell Grant is calculated using the Department of Education's Federal Methodology Calculation. The award is dependent upon the student's and/or family of the student's financial circumstances, the student's cost of attendance, and whether the student is attending full-time or part-time. To be considered for a Pell Grant, a student must be an undergraduate student who does not already have a bachelor's degree. Application is made directly to the Department of Education by completing the Free Application for Federal Student Aid (FAFSA). Pell Grants are not automatically renewed from one academic year to the next. Therefore, all Pell Grant recipients must reapply each year. In accordance with federal regulations, a student will only be eligible to receive 12 full-time semesters of Pell Grant funding during the student's lifetime. For more information about Pell Grants, contact the Financial Aid Office.

II. ***Federal Supplemental Educational Opportunity Grant (FSEOG)***
FSEOG program is for undergraduates with exceptional financial need. Pell Grant recipients with the lowest expected family contributions (EFC's) will be considered first for a FSEOG. Just like Pell Grants, the FSEOG does not have to be repaid as long as all requirements are being met. To receive a FSEOG, a student must be an undergraduate student who does not already have a bachelor's degree. Also, the student must be enrolled in at least six credit hours each semester. Financial need is determined by the Free

Application for Federal Student Aid. Students need only to complete the FAFSA to receive consideration. Since funds are limited, not all eligible students will receive this grant. For additional information about the SEOG grant, contact the Financial Aid Office.

III. ***Direct Stafford Loans***

The Department of Education administers the Direct Loan program. Subsidized loans are awarded on the basis of financial need. Interest is deferred prior to repayment beginning and during authorized periods of deferment. Unsubsidized loans are not awarded on the basis of need. Interest is charged from the date the loan is disbursed until the loan is paid. Parents can borrow a PLUS loan to help pay the educational expenses of their dependent undergraduate student who is enrolled at least halftime in an eligible program. Parents must have an acceptable credit history to receive a PLUS loan.

Interested students must complete the Free Application for Federal Student Aid (FAFSA) before receiving consideration for a Direct Loan. Borrowers at Central Alabama Community College (Central Alabama) are required to complete an entrance counseling session and a promissory note online at www.studentloans.gov. Funds are sent directly to Central Alabama and posted to the student's account. Balances due to the student will be disbursed by Central Alabama's Business Office after all institutional charges have been paid. Students must be enrolled for a minimum of six semester hours to be eligible for loans.

IV. ***Federal College Work Study***

Federal College Work Study is part-time employment on and off campus. It allows students to earn a portion of the money which is needed to finance their education. Students must complete the Free Application for Federal Student Aid (FAFSA) and a Central Alabama Community College Work Study Application to receive consideration. For more information about Federal College Work Study, please contact the Financial Aid Office.

V. ***Alabama Student Assistance Program (ASAP)***

The Alabama Student Assistance Program (ASAP) is a state aid program that provides financial assistance to Alabama residents for postsecondary education at participating colleges within the State of Alabama. Students make application by completing the Free Application for Federal Student Aid (FAFSA). To be eligible, students must have demonstrated financial need. The student must be enrolled in at least six credit hours each semester to receive consideration for this grant. Since funds are limited, not all eligible students will receive this grant. For more information concerning the ASAP program, please contact the Financial Aid Office.

FEDERAL AND/OR STATE AID

Applying for Financial Aid

Students applying for financial aid must complete the following steps:

I. Students must apply for admission to Central Alabama Community College and complete all enrollment requirements prior to receiving financial aid awards. This process includes submission of official high school **transcripts**, GED scores and certificates, and official transcripts from all previously attended colleges to the Office of Enrollment Services. Transient students are not eligible to receive federal financial aid.

II. Students must complete the Free Application for Federal Student Aid (FAFSA) at www.fafsa.gov and list the Central Alabama federal school code (001007) on their applications. Students are responsible for checking their MyCACC accounts frequently to determine if any additional documentation is required to complete the processing of their financial aid awards.

III. Approximately one-third of all financial aid applications are selected by the Department of Education for a process called verification. Documentation requirements will be posted to the student's MyCACC account. Students are responsible for checking their CACC e-mail account and their MyCACC account frequently.

IV. Once all required paperwork has been received and verified, financial aid awards will be posted to the student's MyCACC account. Financial aid payment is prorated based on student enrollment status and program of study. To be considered for a Federal Direct Stafford Loan, the student must be enrolled for at least six semester hours.

IMPORTANT NOTICE: Students are expected to attend all classes for which they are registered. Students ARE NOT eligible to receive financial aid for classes never attended or for audit courses.

Disbursement of Financial Aid Funds

On the first official day of class, tuition, fees, books, and supplies may be charged up to the total amount of the student's financial aid award. Students are expected to attend all courses for which they are registered. Students who fail to attend a course(s) prior to the published required attendance date will be deleted from their course(s), which may result in an adjusted financial aid award.

Students' Financial aid refund checks will be calculated by the Business Office. Tuition, fees, and bookstore charges will be subtracted prior to refund checks being mailed by the Business Office to the students' address on file in the Office of Enrollment Services. The dates for mailing refund checks will be posted on the College web site. It is the responsibility of the student to ensure contact and mailing information is accurate and/or updated with the Office of Enrollment Services at least one full week prior to the scheduled date for mailing refund checks.

Standards of Satisfactory Academic Progress for Financial Aid Recipients:

Central Alabama is required by the Higher Education Act of 1965, as amended, to establish standards of satisfactory academic progress (SAP) for students receiving financial aid under the Title IV Programs (Pell Grant, Supplemental Educational Opportunity Grant, Work Study, and Direct Loans. Central Alabama students receiving financial aid from a Pell grant, the Federal

College Work Study Programs, a Federal Supplemental Educational Opportunity Grant, or any other Title IV Program must comply with the following standards of satisfactory progress:

I. ***Program of Study***

Students receiving financial aid must be enrolled as a regular student in a program of study leading to a degree or eligible certificate at the College. A regular student is someone who is enrolled or accepted for enrollment in an eligible institution for the purpose of obtaining a degree or certificate offered by the College. Some programs offered by the College are not federal aid approved. Inquiries about eligible programs should be directed to the Financial Aid Office. In order to receive federal financial assistance, all coursework must be required for the student's declared program of study at Central Alabama. It is the responsibility of the student to make sure his or her declared program of study is accurate at all times in the Office of Enrollment Services. Students are responsible for meeting with advisors for guidance in course selection. Identification of courses not required for the student's declared program of study at Central Alabama will result in cancellation or reduction of the student's financial aid award.

II. ***Program Completion***

The maximum time frame allowed to complete a program of study without financial aid penalty cannot exceed 1.5 times the published length of a specific program. All hours attempted, including transfer hours, will be included in the maximum time frame calculation. The lifetime limit for Pell Grant funding is 12 full-time semesters. Students are responsible for making sure their declared program of study is accurate at all times in the Office of Enrollment Services.

III. ***Required Grade Point Average and Credit Hours***

Students enrolled in long-term certificate programs or degree programs (AS, AOT, or AAS) must achieve the following:

After Attempting:	Minimum Cumulative GPA	Completion Rate
0-21 semester credit hours	1.5	58%
22-32 semester credit hours	1.75	62%
33 or more semester credit hours	2.0	67%

Students enrolled in short-certificate programs (24 – 29 credit hours) must achieve the following:

After Attempting:	Minimum Cumulative GPA	Completion Rate
0-12 semester credit hours	1.5	58%
12 or more semester credit hours	2.0	67%

All hours attempted, including transfer hours, passed courses, failed courses, incomplete courses, developmental courses and withdrawn courses, will be counted as credit hours attempted in determining completion rates and maximum time frame requirements.

Grades accrued at other regionally accredited postsecondary institutions, including other Alabama Community Colleges, are not included in the Minimum Cumulative GPA requirement. However, developmental (remedial) coursework received from Central Alabama will be included in this calculation for Satisfactory Academic Progress (SAP) purposes only.

IV. ***Financial Aid Warning***

If a student fails to achieve the required cumulative GPA or does not successfully complete the required percentage of hours, he/she will be placed on financial aid warning. Students on warning will be allowed to receive aid and will be notified of their warning status on their MyCACC account. Warning will be lifted in the subsequent term if the student attains the required cumulative GPA and/or successfully completes the required percentage of hours for the next term. If the student successfully completes his/her first warning semester, the student will be allowed to continue until he/she falls below the overall standards.

V. ***Financial Aid Suspension***

If a student does not have the required GPA and completion rate after his/her warning semester, he/she will be suspended from federal financial aid. The student cannot use federal funding to pay for future courses until he/she regains eligibility by reaching the minimum standards of academic progress. If placed on academic suspension, a student is NOT eligible to receive financial aid for the duration of suspension, even if he/she is readmitted to Central Alabama upon academic appeal. The student may regain eligibility for financial aid when the overall satisfactory academic progress requirements are obtained.

A transfer student who has been suspended from another institution is not eligible for student financial aid until the student has completed at least 12 cumulative semester hours at Central Alabama or another regionally accredited institution. A student's grade point average for those 12 semester hours must be a 2.0 or higher in order to receive consideration by Central Alabama for federal financial aid.

VI. ***Monitoring Progress***

Academic progress will be monitored at the end of each semester, even at the end of a semester during which financial aid was not received. Students who do not meet the SAP guidelines at the time of the review will not be eligible for federal aid.

VII. ***Developmental Courses***

A student may receive financial aid for up to 30 attempted developmental credit hours. If this number is exceeded, financial aid cannot cover any additional developmental courses. Students may not enroll in the same developmental course more than three times and continue to receive financial assistance for those courses. If a student needs to register for a developmental course more than three times, the student will be required to pay for the course.

VIII. ***Repeated Courses***

Courses assigned a grade of A, B, C, or D may be repeated with financial aid eligibility one additional time, assuming all other eligibility provisions are being met. Course assigned a grade of S, SA, SB, SC, U, UD or UF may be repeated up to three times. Courses assigned a grade of F may be repeated an unlimited number of times. However, all hours will be included in the satisfactory academic progress calculations.

IX. ***Incompletes***

For financial aid purposes, a grade of I (Incomplete) is calculated the same as a grade of F (Failure) in determining grade point averages and in determining the minimum number of hours earned for completion of the program.

X. ***Audit Courses***

Audit courses are not considered credits attempted or earned. A student WILL NOT be paid financial aid for audit courses.

XI. ***Transient Students***

A transient student is a student who attends another college and seeks credit for transfer back to that parent institution. Transient students are not eligible to receive financial aid at Central Alabama.

XII. ***Transfer Credit***

Grades accrued at other regionally accredited postsecondary institutions are not included in grade point average calculations, but courses passed ARE counted in completion of the program requirements. (See the Transfer Student section under Academic Policies and Regulations for additional information applicable to all students enrolled at Central Alabama.)

XIII. ***Official and Unofficial Withdrawals***

Students who receive federal financial aid (Pell Grant, SEOG, and Direct Loans) may have their financial aid adjusted if they have a complete withdrawal during the semester. In addition, students who have a complete withdrawal status prior to the disbursement of aid for the semester may also result in an adjustment. This adjustment would be made based on assistance earned up to the point of withdrawal. Once a student has completed more than 60 percent of the semester, the student is considered to have earned all of their federal aid.

A student's official withdrawal date is defined as the date the student officially withdraws from all classes for that semester.

A student is considered to have unofficially withdrawn for financial aid purposes when (1) the student does not complete the official withdrawal process; AND (2) the student earns failing grades (F, UD, or UF) in all courses for which he/she is registered for that semester. The student's unofficial withdrawal date will be defined as the student's last date of classroom attendance as determined and reported by his/her instructors.

Students who officially OR unofficially withdraw from all courses during a semester prior to attending 60 percent of the semester will owe some or all of their federal aid back to the institution and/or the Department of Education based on the Return of Title IV Calculation.

XIV. ***Reinstatement of Financial Aid***

A student may have financial aid reinstated if he/she attends college, at his/her own expense, and is able to reach the minimum standards of satisfactory academic progress. It is the student's responsibility to notify the Financial Aid Office when his/her grades are in compliance with Central Alabama's SAP policy. Financial aid will not retroactively pay for any semester(s) during which the student was not eligible.

XV. ***Factors Affecting Financial Aid Eligibility***

Students who are not achieving satisfactory academic progress (SAP) as measured by the Financial Aid Office usually have experienced one or a combination of the following:

- Receiving failing grades,
- Repeating courses;
- Officially or unofficially withdrawing from courses or withdrawing completely, and/or
- Taking courses not applicable to their declared program of study. *(It is the student's responsibility to make sure his/her program of study is reflected correctly in the Office of Enrollment Services.)*

XVI. ***Return of Title IV Refunds and Calculations (R2T4)***

Title IV aid is earned based on the period of time a student remains enrolled. Unearned Title IV aid must be returned to the College and/or to the Department of Education. Unearned aid is defined as the amount of Title IV aid disbursed that exceeds the amount of Title IV aid earned.

If a student receiving federal financial aid completely withdraws or stops attending school prior to completing 60% of the length of the term, financial aid monies will be due back to the College and/or the Department of Education based on the formula calculated by the Financial Aid Office in accordance with the Title IV Refund calculation. These monies may be charged back to the student's account and the student will be responsible for the repayment of these funds. A student who fails to earn a passing grade during the semester will be assumed to have unofficially withdrawn. For Title IV purposes, the student's withdrawal date will be considered to be the last date of attendance as recorded by the instructor and the Title IV refund calculation will be performed accordingly.

XVII. *Scholarship Appeals Process*

Students who feel they have received unfair suspension of their scholarships or have extenuating/mitigating circumstances may make an appeal to the Scholarship and Financial Aid Committee. Requests for appeals should be submitted to the Financial Aid Office. All appeals should be in writing and have supporting documentation. Extenuating/mitigating circumstances are defined as those that are beyond the student's control such as personal injury, illness, death in the immediate family, income loss or undue hardship.

The Scholarship and Financial Aid Committee will meet monthly, or as needed, to address any written appeals. Only completed appeals will be considered. In order to be considered a complete appeal, the appeal must be written and be accompanied by supporting documentation. Applicants will receive notification of the decision via email and/or letter. The decision of the Scholarship and Financial Aid Committee is considered final with no further appeal process available.

XVIII. *Student Rights and Responsibilities*

Students have the right to ask Central Alabama Community College:

- The name of its accrediting and licensing organizations;
- About its programs, its institutional laboratories and other physical facilities, and its faculty;
- About the cost of attending and its policy on refunds to students who withdraw;
- What financial assistance is available, including information on all federal, state, local, private, and institutional financial aid programs;
- What are the procedures and deadlines for submitting applications for each financial aid program;
- What are the procedures and deadlines for submitting applications for each financial aid program;
- What criteria are used to select financial aid recipients;
- How financial need is determined;
- How and when students on financial aid will receive a disbursement;
- How the school determines whether a student is making satisfactory progress and what happens if the student is not; and
- What special facilities and services are available to persons with disabilities.

It is the student's responsibility to:

- review all information about the College programs before enrolling;

- pay special attention to the Free Application for Federal Student Financial Aid (FAFSA), complete it accurately, and submit it timely;
- know and comply with all deadlines for applying and reapplying for financial aid;
- provide all additional documentation, verification, corrections, and/or new information requested by the Financial Aid Office or the agency to which application was made;
- read, understand, and keep copies of all forms the student is asked to sign;
- repay any student loan obligations and/or request deferment information from the lending agency;
- notify the Office of Enrollment Services of any change in the student's name, address, program of study, or attendance status;
- understand the refund policy;
- call the Financial Aid Office and request that the SAR be pulled down electronically or bring in his/her copy; notify the Financial Aid Office of a change of program and request a transfer evaluation.

NOTE: Specific information about eligibility and current procedures for applying for financial aid can be obtained from the Financial Aid Offices at the Alexander City campus, the Childersburg campus or the Talladega Center and the Millbrook CACC office.

SCHOLARSHIPS

Central Alabama Community College offers competitive scholarships to qualified students. Scholarship applications are available in the Financial Aid Office, Central Alabama's web or from high school counselors. Application must be on Central Alabama Scholarship Application form and be accompanied by all required documents as listed on the application. Properly completed applications should be submitted to the appropriate address listed on the scholarship application by the announced deadline.

Institutional scholarships include the following scholarships:

Academic Scholarships
Academic Scholarships recognize outstanding high school seniors who have excelled in academics. Students must have a minimum of a 3.0 GPA.

Ambassador Scholarships
Ambassador Scholarships are awarded to high school seniors who have excelled in leadership. Students must have a minimum of a 3.0 GPA.

Athletic Scholarships
Athletic scholarships are awarded on the basis of performance in athletic tryouts and the student's record of athletic achievement. Scholarships are awarded in men's baseball, golf, women's softball, and women's tennis. The College also offers a few scholarships to managers. Interested students should contact the appropriate coach in each sport for scholarship consideration.

Performing Arts Scholarships
Performing Arts scholarships are available to students who portray talent in specified areas. Students must have a minimum of a 3.0 GPA.

Technical Scholarships
Technical scholarships are awarded to high school students enrolling in technical programs of study. Students must have a minimum of a 2.5 GPA.

Workforce Development Grant Scholarships
Workforce development grant scholarships are provided to give high school students an opportunity to obtain career-ready skills for high demanding careers while still in high school. The scholarship will cover the expense of tuition, fees, and books/supplies for approved career/technical programs of study. Funding is provided through the Governor's Office of Workforce Development and will vary from year to year. For more information, contact your high school counselor.

OTHER FORMS OF FINANCIAL ASSISTANCE

Alabama Automotive Manufacturing Association (AAMA) Dr. Bernard J. Schroer Scholarships
The AAMA Dr. Bernard J. Schroer Scholarship is facilitated through the Consortium for Alabama Regional Center for Automotive Manufacturing (CARCAM) and supports individuals pursuing a career/technical education certificate or associate degree in the Alabama Community College System in preparation for a career in the automotive manufacturing industry. Additional criteria and scholarship applications are available at www.carcam.org.

Alabama Scholarships for Dependents of Blind Parents
Students who are Alabama residents and from families in which the head of the family is blind and whose family income is insufficient to provide educational benefits for attendance at an Alabama postsecondary institution are eligible to apply for this scholarship program. Students must apply within two years of high school graduation. Applications are available from the Alabama Department of Rehabilitation Services, 2129 East South Boulevard, Montgomery, Alabama 36116-2455.

Employee/Dependent Tuition Waiver
This program covers tuition only. The waiver does not cover additional expenses such as fees, books, and supplies. This program is designed for all full-time and Salary Schedule H-35

employees of the Alabama Community College System and the Alabama Community System Office and their dependents.

GED Scholarship Program
GED recipients may qualify for one free class (up to 3 credit hours) at Central Alabama following receipt of official scores verifying successful completion of the GED after July 2002. Eligibility is determined by the Alabama Community System Office, which is the State Office for the GED Testing Program. Upon registering for college courses at the College, GED recipients should contact the Financial Aid Office regarding this scholarship.

Operation Family Shield Scholarship Program
The Operation Family Shield Scholarship Program was established in 2003 for spouses and dependents of the Alabama National Guard or reservists called to active duty. The scholarship has been expanded in support of Operation Noble Eagle, Operation Iraqi Freedom, and the Global War on Terrorism. The scholarship provides tuition (excluding fees) during the term of the activation. Tuition scholarships shall be available only after all other forms of federal financial assistance have been exhausted. Applicants must complete the Free Application for Federal Student Aid (FAFSA). Documentation required includes official copies of military orders, marriage licenses, birth certificates, and IRS tax returns. Certification from the appropriate military office should be obtained each semester to verify continued activation. For additional information, contact the Financial Aid Office.

Police Officer and Firefighter Survivor Educational Assistance Program
Students who are dependents or spouses of police officers or firefighters killed in the line of duty in Alabama are eligible to apply for this scholarship program. The student must be enrolled in an undergraduate program at a public postsecondary educational institution in Alabama. Other special eligibility criteria apply. Application forms may be obtained from the Alabama Commission on Higher Education, P.O. Box 302000, Montgomery, Alabama 36130-2000, phone 334/242-2273.

Senior Adult Scholarship Program
Any student meeting institutional admission requirements who is 60 years of age or older is eligible for the Senior Adult Scholarship Program, which covers tuition only. The scholarship does not cover other expenses such as fees, books, and supplies. This scholarship can only be used for developmental and credit courses. Scholarships are limited based on availability of space. Persons living on a fixed income should complete the Free Application for Federal Student Assistance (FAFSA) to apply for additional financial assistance to help defray the cost of fees, transportation and books.

Student Activity Scholarships
Student Activity scholarships are available on an annual basis for presidents of the following organizations:

I. Circle K

II. Cultural Unity Organization

III. Phi Theta Kappa

IV. Student Government Association

V. Alabama Association of Nursing Students

Trade Adjustment Act
The Trade Act of 1974, as amended, created a program to assist individuals who became unemployed as a result of increased imports to return to suitable employment. Information is available from the Employment Securities Office in your county. Eligibility for this program is determined through the Employment Securities Office.

Transfer Scholarships
Currently enrolled sophomore students who are completing their course work at the College in preparation for transfer to a university may qualify for transfer scholarships. The Financial Aid Office will provide information and deadline dates as scholarships become available from the transfer institutions.

Additional Scholarships
Should additional scholarships become available, notices will be posted on the Financial Aid Office bulletin boards and flyers will be posted throughout the campuses. Scholarship notices will also be posted on the College website at www.cacc.edu and will be sent to all currently enrolled students via their CACC e-mail account.

Vocational Rehabilitation
The State of Alabama provides certain benefits for students through the Department of Rehabilitation Services. Information is available from the Department of Rehabilitation Services in your local area.

Workforce Innovation and Opportunity Act (WIOA)
The Workforce Innovation and Opportunity Act (WIOA) was signed into law on July 22, 2014. WIOA supersedes the Workforce Investment Act of 1998 and amends the Adult Education and Family Literacy Act, the Wagner-Peyser Act, and the Rehabilitation Act of 1973.This program is designed to help job seekers access employment, education, training, and support services to succeed in the labor market and to match employers with the skilled workers they need to compete in the global economy. Information is available from the local county Career Link Office. Eligibility for this program is determined through the Career Link Office.

VETERAN BENEFITS

Veteran students and/or their dependents may qualify for VA educational benefits. The Financial Aid Office is the certifying authority for veterans, service members and their dependents. The Financial Aid Office serves as a link between the Regional Veterans Affairs Office and the VA benefit recipient. Veterans or their dependents seeking assistance under the various Federal and State programs should, if possible, make initial application for such programs at least four weeks prior to enrollment. The Financial Aid Office has application forms for most veteran programs

and will offer assistance to the student in completing these forms and forwarding them to the proper V.A. Office. Since most federal V.A. programs make monthly payments directly to veterans after enrollment, the veteran must be prepared to pay tuition and fees and meet all other payment deadlines before receiving the initial monthly allowance. Central Alabama does not participate in the Advance Payment Plan with the Department of Veteran Affairs.

Alabama GI Dependents Scholarship Program
The Alabama GI Dependents' Scholarship Program is administered by the Alabama Department of Veteran Affairs. Maximum education benefits include tuition, instructional fees, and required textbooks. Remedial course work is not funded under the Alabama GI Dependents' Scholarship Program.

For more information and application procedures, contact the nearest Veterans Affairs Office located in each Alabama county courthouse or write to Alabama GI Dependents' Scholarship Program, P. O. Box 1509, Montgomery, Alabama 36102-1509.

Alabama National Guard Education Assistance Program (ANGEAP)
ANGEAP is designed to provide financial assistance to Alabama National Guard members. Limited funding is provided by the Alabama Legislature and priority is given to those who apply early. ANGEAP applications and additional information regarding this program are available from the National Guard benefits administrator at the National Guard Unit.

Tuition Assistance (TA)
Tuition Assistance (TA) is a Department of Defense (DOD) program. GoArmyEd is the virtual gateway for all eligible Active Duty, National Guard, and Army Reserve soldiers to request tuition assistance (TA) online, anytime, anywhere, for classroom and distance education. It allows soldiers to manage their educational records, including college classes, testing, on-duty classes, and Army education counselor support. Soldiers must request TA through www.GoArmyEd.com at least 14 days prior to the start of a semester for TA approval.

The Post 9/11 GI Bill®
The Post 9/11 GI Bill® is for individuals with at least 90 days of aggregate service on or after September 11, 2001, or individuals discharged with a service-connected disability after 30 days. This benefit provides up to 36 months of education benefits. This program is also commonly referred to as Chapter 33. Application is made by completing VA Form 22-1990, Application for VA Education Benefits.

Montgomery GI Bill® -- Active Duty (MGIB)
The MGIB program provides up to 36 months of educational benefits. This benefit may be used for degree and certificate programs, flight training, apprenticeship/on-the-job training, and correspondence courses. Generally, benefits are payable for 10 years following your release from active duty. This program is also commonly known as Chapter 30. Application is made by completing VA Form 22-1990, Application for VA Education Benefits.

Montgomery GI Bill® -- Selected Reserve (MGIB-SR)
The MGIB-SR program may be available to you if you are a member of the Selected Reserve. The Selected Reserve includes the Army Reserve, Navy Reserve, Air Force Reserve, Marine Corps Reserve, Coast Guard Reserve, and the Army National Guard and the Air National Guard. This benefit may be used for degree and certificate programs, flight training, apprenticeship/on-the-job training, and correspondence courses. This program is also commonly referred to as Chapter 1606. Application is made by completing VA Form 22-1990, Application for VA Education Benefits.

Reserve Educational Assistance Program (REAP)
REAP was established as a part of the Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005. It is a Department of Defense education benefit program designed to provide educational assistance to members of the Reserve components called or ordered to active duty in response to a war or national emergency (contingency operation) as declared by the President or Congress. This program makes certain reservists who were activated for at least 90 days after September 11, 2001, either eligible for education benefits or eligible for increased benefits. This program is commonly referred to as Chapter 1607. Application is made by completing VA Form 22-1990, Application for VA Education Benefits.

Veterans Educational Assistance Program (VEAP)
VEAP is available if a student first entered active duty between January 1, 1977, and June 30, 1985, and elected to make contributions from military pay to participate in this education benefit program. This benefit may be used for degree and certificate programs, flight training, apprenticeship/on-the-job training, and correspondence courses. This program is commonly referred to as Chapter 32. Application is made by completing VA Form 22-1990, Application for VA Education Benefits.

Survivors and Dependents Educational Assistance Program (DEA)
DEA provides education and training opportunities to eligible dependents of veterans who are permanently and totally disabled due to a service-related condition, or who died while on active duty, or as a result of a service related condition. The program offers up to 45 months of education benefits. These benefits may be used for degree and certificate programs, apprenticeship, and on-the-job training. This program is commonly referred to as Chapter 35 or Chapter 31. Application is made by completing VA Form 22-5490, Application for Survivors and Dependents Education Assistance.

Non-Resident Veterans Eligible for In-State Tuition Rates
In accordance with Section 702 of the Choice Act, out-of-state students receiving Chapter 30 or Chapter 33 VA benefits may be eligible for the in-state tuition rate. For additional information, please contact the Certifying Official located in the Financial Aid Office at the College

Certification of Veteran Enrollment by Central Alabama
The Certifying Official in the Financial Aid Office at Central Alabama is responsible for certifying the enrollment of veterans and their dependents electronically via the Department of Veteran Affairs certification program, VA-Once. Certification will be conducted at the conclusion of the College Drop/Add registration process. All veterans or eligible dependents

should contact the Financial Aid Office during registration each semester in order to notify the College Certifying Official of the veteran's or dependent's enrollment and request certification of enrollment for that semester.

Prior to certification, veterans and/or dependents of veterans must complete all admission requirements for Central Alabama, complete the appropriate application for benefits, and present the following required documents to the Financial Aid Office:

I. DD-214, Separation Papers -- Certified or original copy of Member 4 for Chapter 30 and 32 Veterans.

II. Form 2384, Notice of Basic Eligibility (NOBE) for Chapter 1606, National Guard and Reserves.

III. File number for veteran's dependents for Chapter 35.

The following criteria will be used for certifying veterans or eligible persons:

I. Certification will be granted for only those courses that are applicable to the declared program of study. Any deviation must be approved by the VA Certifying Official located in the College Financial Aid Office.

II. Certification will not be granted for audited courses or courses in which a veteran has received a grade of "D" or higher.

III. The veteran or eligible person who has received credit at other institutions will be certified only for those courses necessary to complete the declared program of study at the College.
Payments will be made to the student from the Department of Veteran Affairs based on the following payment schedule:

a. Full-time payment (12 credit hours or more)

b. Three-fourths payment (9-11 credit hours)

c. One-half payment (6-8 credit hours)

d. Reimbursement for tuition and fees (5 or fewer credit hours)

Required Verification of Enrollment by Student
Students receiving MGIB-Active Duty (Chapter 30), REAP (Chapter 1607), or MGIB-Selected Reserve (Chapter 1606), must verify their enrollment* each month to receive payment for that month. Your enrollment can be verified starting on the **last calendar day of the month** by using the Department of Veteran Affairs **Web Automated Verification of Enrollment (WAVE)** at https://www.gibill.va.gov/wave or by calling the toll free Interactive Voice Response (IVR)

telephone line at 1-877-823-2378. Students receiving benefits under DEA (Chapter 35) or VEAP (Chapter 32) do NOT need to verify their attendance in this manner.

***Please note that "verifying" and "certifying" your enrollment are two different procedures. "Certification" is done by a school or training official and lets VA know how many hours or credits the student will be enrolled in so the VA can determine the student's payment rate. "Verification" is done by the student at the end of each month to let VA know that his/her enrollment information has not changed.**

Change in Enrollment Status

Students should promptly notify the Financial Aid Office of any change in enrollment status as this could result in overpayment of VA benefits. If a student's change in enrollment status is due to mitigating circumstances as defined by the Department of Veteran Affairs, the student should provide the Certifying Official in the Financial Aid Office at the College with a statement regarding the mitigating circumstances.

Academic Standards of Progress

Students should follow the required academic standards of progress as outlined under the Section entitled **"Standards of Satisfactory Academic Progress for Financial Aid Recipients."**

Additional VA Information

Additional Information regarding benefits available to veterans and their dependents is available by calling the Department of Veteran Affairs at 1-888-442-4551 (toll free) or by reviewing the Department of Veteran Affairs' website at http://www.gibill.va.gov.

Complaint Policy for VA Students

Any complaint against the school should be routed through the VA GI Bill® Feedback System by going to the following link: http://www.benefits.va.gov/GIBILL/Feedback.asp. The VA will then follow up through the appropriate channels to investigate the complaint and resolve it satisfactorily.

Central Alabama Community College reserves the right to make changes in the policies and programs outlined in the Catalog as necessary.

PROGRAMS OF STUDY

DEGREE & CERTIFICATE AWARDS

Central Alabama Community College awards the Associate in Science, the Associate in Applied Science, the Associate in Occupational Technology, certificates, and short-term certificates.

I. The ***Associate in Science*** degree is designed for students who plan to transfer to a senior institution in order to pursue a course of study in the liberal arts, sciences, or a specialized professional field. The AS degrees shall be comprised of at least 60 semester credit hours but no more than 64 semester credit hours.

II. The ***Associate in Applied Science*** degree program is designed for students who plan to seek employment based upon the competencies and skills attained through a specific program of study. While not designed to meet the needs of students who transfer to senior institutions, portions of these programs may transfer. The AAS degree shall be comprised of at least 60 semester credit hours but no more than 76 semester credit hours.

III. The ***Associate in Occupational Technology*** degree program is designed for students seeking a combination of technically oriented courses to meet specific career objectives and the opportunity to become multi-skilled technicians. In addition to completing the general education requirements, students will also complete course work in primary and secondary technical specialties. The AOT degree shall be comprised of at least 60 semester credit hours but no more than 76 semester credit hours.

IV. The ***Certificate Program*** is designed for a student who plans to seek employment based upon the competencies and skills attained through a specific program of study. Certificate programs shall be comprised of at least 30 semester credit hours but no more than 60 semester credit hours.

V. The ***Short-term Certificate*** program is designed for students seeking entry level employment in a technical field. Short-term certificate programs equal to or less than 29 semester hours shall be comprised of at least 9 semester credit hours but no more than 29 semester credit hours.

GENERAL EDUCATION STUDENT LEARNING OUTCOMES

All graduates of Associate Degree and Certificate programs will meet the following student learning outcomes:

- Students will demonstrate the ability to communicate orally, (Assessed in SPH106)
- Students will demonstrate fundamental mathematical skills. (Assessed in MTH100 or MTH116)
- Students will demonstrate competency in writing skills. (Assessed in ENG101 or ENG131)
- Students will demonstrate skills in the basic use of computers. (Assessed in CIS146)

ASSOCIATE DEGREE REQUIREMENTS & CERTIFICATE REQUIREMENTS

As required by the Commission on Colleges of the Southern Association of Colleges and Schools all Associate in Science, Associate in Applied Science, and an Associate in Occupational Technology degree programs require a minimum of 15 semester hours of college level general education courses. These courses include one course from the humanities/fine arts, social/behavioral sciences, and natural science/mathematics.

A student will be considered a graduate and awarded the Associate in Science, Associate in Applied Science, and Associate in Occupational Technology degrees, certificate and/or short-term certificate upon satisfactory completion of the requirements of the specific program as specified by Central Alabama Community College and the Alabama Community College System. Transcripts will not be provided to a student nor forwarded to any other institution or organization until after the student has fulfilled all financial obligations to the College. The chief academic officer will approve the formal award when the student meets all requirements for graduation.

All students are required to take ORI 105 except the following: 1) students enrolling only in a short-term certificate program, and 2) transient students. Any other exceptions must be approved by the Dean of Instruction.

A student must:

I. Complete an approved program of study, including prescribed general education courses. A course may be counted only once for purposes of meeting graduation requirements.

II. Earn a 2.0 cumulative grade point average in all courses attempted at the College.

III. Complete at least 25 percent of semester credit hours at Central Alabama.

IV. Provide transcripts from all colleges previously attended. Transferred or accepted course work for credit toward an undergraduate degree must represent collegiate course work relevant to the award, with course content and level of instruction resulting in student competencies at least equivalent to those of students enrolled in the College's programs. Guides utilized include those published by the American Council on Education, The American Association of Collegiate Registrars and Admissions Officers, and the National Association of Foreign Student Affairs.

V. Comply with formal procedures for graduation in accordance with institutional policy at the College. (The student must complete an application for graduation the semester prior to completion of requirements.)

VI. Fulfill all financial obligations to the College.

PROGRAM COMPLETION

An Associate Degree program can be completed in two years. A certificate program can be completed in one to two years, and a short-term certificate can be completed in two terms. Program completion within the stated time frames will depend on the fulfillment of required developmental courses, student course load, ability to schedule required courses when offered, consecutive semester and term enrollment, and the successful completion of all courses in the program.

Programs of Study Listing

Programs of Study	Campus/Site Offered	Classes Only	Associate in Science	Associate in Applied Science	Associate in Occupational Technology	Certificate	Short-Term Certificate
Associate in Science Degree – Transfer	**AC, CB, TC**		**60 - 64 hours**				
Child Development	**AC, CB, TC**						**12 hours**
Computer Science	**AC, CB, TC**	**EC**		**61-64 hours**		**60 hours**	**9-21 hours**
Cosmetology	**CB, TC**				**73 hours**	**48 hours**	
Drafting and Design Technology	**TC**			**60-61 hours**		**33 hours**	**9-18 hours**
General Business	**AC, CB, TC**	**EC**		**67 hours**		**36 hours**	**12 hours**
Industrial Electronics Technology	**AC, CB**	**SYL, EC, SC**		**76 hours**		**55 hours**	**12-27 hours**
• Biomedical Technology	**AC**						**25 hours**
Machine Shop							
• Machine Shop	**AC, CB**	**SYL**			**72 hours**	**56 hours**	**10-21 hours**
• Computerized Numerical Control	**AC, CB**						**15-24 hours**
• Tool & Die	**AC, CB**						**27 hours**
Manufacturing Technology							
• Automotive Manufacturing Technology	**AC**	**SYL, EC, SC**		**67 hours**		**45 hours**	**9 hours**
• Industrial Maintenance	**AC**			**76 hours**		**51 hours**	**21 hours**
• Robotics and PLC Technology	**AC**						**21 hours**
• Manufacturing Technology	**AC**	**SYL, EC, SC**					**18 hours**
Nursing Program	**AC, CB**			**66 hours**		**45 hours**	
• LPN to RN Mobility				**41-51 hours**			
• Office Administration	**AC, CB, TC**			**61 hours**		**48 hours**	**12-15 hours**
• Health Information Technology	**AC, CB, TC**						**27 hours**
Welding	**AC, CB**	**SC, EC, CC, ACT**			**60-64 hours**	**48 hours**	**12 hours**

AC – Alexander City Campus, CB – Childersburg Campus, TC – Talladega Center, SYL – Sylacauga High School, EC – Elmore County Technical, SC – Shelby County Technical, CC – Central High School of Clay County, ACT – Autauga County Technical

Central Alabama Community College reserves the right to make changes in the policies and programs outlined in the Catalog as necessary. Students should confer with a counselor or an advisor in planning a class schedule.

ACADEMIC TRANSFER

Associate in Science

The Associate in Science degree requires a minimum of 60 semester hours. This degree is planned to provide course work in the general education core. Associate in Science degree students do not major in an academic discipline at Central Alabama Community College. Majors are defined by the institutions to which these students transfer. Students do, however, identify a pre-major to help students and advisors in schedule planning.

Students who plan to transfer to a four-year institution may find detailed information and assistance in the Office of Dean of Instruction and the Office of Student Services on both campuses. Students can consult http://stars.troy.edu for detailed information regarding transfer of credit. Counselors and academic advisors are available to help students develop a plan of study for graduation from Central Alabama Community College. **Students are responsible for knowing the particular requirements of the institution to which they plan to transfer.**

Act 94-202 of the Alabama Legislature created the Articulation and General Studies Committee (AGSC) which has developed a statewide general studies curriculum of a maximum of 41 semester hours (Areas I-IV) for the transfer of credit among all public two-year and public and private four-year institutions. In addition, a maximum of 23 semester hours (approximately 1/3 of the requirements) may be completed in Area V.

The AGSC committee established credit hour distribution requirements rather than specific course requirements. Efforts were made to permit flexibility among institutions in the specific courses to be offered to enable students to fulfill requirements. The credit hour distribution is listed below:

	SEMESTER HOURS
AREA I Written Communications	**6**
ENG 101 English Composition I	3
ENG 102 English Composition II	3
AREA II Humanities & Fine Arts	**12**
SPH 106 Fundamentals of Oral Communication	3
Must complete 3-6 semester hours in Literature*	3
ENG 251 American Literature I	
ENG 252 American Literature II	
ENG 261 English Literature I	
ENG 262 English Literature II	
ENG 271 World Literature I	
ENG 272 World Literature II	
Must complete 3 semester hours in the Arts	3

ART 100 Art Appreciation
ART 203 Art History
MUS 101 Music Appreciation

Remaining semester hours to be selected from Humanities and/or Fine Arts.....3

ART 100 Art Appreciation
ART 203 Art History
HUM 299 PTK Honors Course I, II, III
MUS 101 Music Appreciation
PHL 106 Introduction to Philosophy
PHL 206 Ethics and Society
REL 100 History of World Religions
REL 151 Survey of the Old Testament
REL 152 Survey of the New Testament
SPA 101 Introductory Spanish
SPA 102 Introductory Spanish II

Humanities and Arts disciplines include but are not limited to: *Area/Ethnic Studies*, Art and Art History, Foreign Languages, Music and *Music History*, Philosophy, Ethics, Religious Studies, Speech, *Theater*, and *Dance*.

AREA III Natural Science & Mathematics.....11

Must complete 8 semester hours in the Natural Sciences which must include Laboratory Experiences 8

AST 220 Introduction to Astronomy
BIO 101 Introduction to Biology I
BIO 102 Introduction to Biology II
BIO 103 Principles of Biology I
BIO 104 Principles of Biology II
CHM 104 Introduction to Inorganic Chemistry
CHM 105 Introduction to Organic Chemistry
CHM 111 College Chemistry I
CHM 112 College Chemistry II
PHS 111 Physical Science I
PHS 112 Physical Science II
PHY 201 General Physics I-Trig Based
PHY 202 General Physics II-Trig Based
PHY 213 General Physics with Cal I
PHY 214 General Physics with Cal II

Must complete 3 semester hours in Mathematics at the Pre-calculus or Finite Math Level 3

MTH 110 Finite Mathematics
MTH 112 Pre-calculus Algebra
MTH 113 Pre-calculus Trigonometry

MTH 125 Calculus I
MTH 126 Calculus II
MTH 227 Calculus III
MTH 237 Linear Algebra

In addition to Mathematics, disciplines in the Natural Sciences include: Astronomy, Biological Science, Chemistry, *Geology*, Physical Geography, *Earth Science*, Physics, and Physical Science.

AREA IV History, Social, & Behavioral Sciences 12

Must complete 3-6 semester hours in History* 3
HIS 101 Western Civilization I
HIS 102 Western Civilization II
HIS 121 World History I
HIS 122 World History II
HIS 201 U.S. History I
HIS 202 U. S. History II

Must complete at least 6-9 semester hours from among other disciplines in the Social & Behavioral Sciences 9
ANT 200 Introduction to Anthropology
ECO 231 Principles of Macroeconomics
ECO 232 Principles of Microeconomics
GEO 100 World Regional Geography
POL 200 Introduction to Political Science
POL 211 American National Government
PSY 200 General Psychology
PSY 210 Human Growth and Development
SOC 200 Introduction to Sociology

In addition to History, the Social & Behavioral Sciences include, but are not limited to: Anthropology, Economics, Geography, Political Science, Psychology, and Sociology.

AREA V Elective Courses..... 19-23**
CIS 146 (Must complete 3 semester hours in Computer Science) 3
ORI 105 Orientation and Student Success.....3
Courses appropriate to degree requirements of the individual student and electives.....(13-17)

Students completing courses that have been approved for the General Studies Curriculum and are appropriate to their major/and or degree program may transfer these courses with credit applicable to their degree program among Alabama's two-year and four-year public colleges and universities.

Semester Credit Hour Range by Award..... 60-64**

* Must complete a 6-semester hour sequence either in Literature or in History. The sequence in Area II and IV in Literature and History should follow the sequence requirements according to the student's transfer plans.

** Respective programs of study for baccalaureate degrees at Alabama public universities range from 120 to 128 semester credit hours in length. Dependent upon the total hours allocated for the bachelor's degrees, institutions in The Alabama Community College System will only be authorized to provide 50 percent of the total (60-64 hours).

NOTE: Disciplines appearing in *italics* are not offered at Central Alabama Community College, but are eligible to fulfill AREA requirements if transferred from another institution.

CAREER
AND
TECHNICAL PROGRAMS

CAREER TECHNICAL PROGRAMS

Career Technical programs are designed to prepare the student for a technical or semiprofessional field. Students enrolled in Associate in Applied Science degree, Associate in Occupational Technologies, and certificates programs receive a balance of general education and specialized training. Certificate programs in the Career Technical division require a minimum of 30 semester hours and a maximum of 60 semester hours; short-term certificate programs require a minimum of 9 semester hours and a maximum of 29 semester hours. Depending on the short-term certificate program, general education courses may not be required.

Awarding Credit for Previous Training and Work Experience in Career Technical Fields

Central Alabama Community College awards credit for previous training and work experience in career and technical programs of study through evaluation of a portfolio with relevant materials to determine college equivalent learning.

CHILD DEVELOPMENT – Short Certificate

CHILD DEVELOPMENT

TECHNICAL CONCENTRATION		SEMESTER HOURS
CHD 100	Introduction of Early Care and Education of Children	3
CHD 204	Methods and materials for Teaching Children	3
CHD 206	Children's Health and Safety	3
CHD 211	Child Development Seminar	1
CHD 219	Supervised Practical Experience	2

Total Credit Hours in the Short-term Certificate – Child Development.....12

COMPUTER SCIENCE – Associate in Applied Science Degree

GENERAL EDUCATION		SEMESTER HOURS
ENG 101	English Composition I	3
CIS 146	Microcomputer Applications	3
MTH 100	Intermediate College Algebra	3
MTH 112	Pre-calculus Algebra	3
Natural Science Elective*		4
Humanities Electives		3
PSY 200	General Psychology or History, Social and Behavior Sciences Elective*	3
SPH 106	Fund. Oral Comm. OR SPH 107 Fund. of Public Spkg	3
ORI 105	Orientation and Student Success	3

Total General Education Credit Hours 25

TECHNICAL CONCENTRATION & ELECTIVE COURSES		SEMESTER HOURS
CIS 130	Intro to Information Systems	3
CIS 150	Introduction to Computer Logic and Programming	3
CIS 199	Network Communications	3
CIS 268	Software Support	3
CIS 269	Hardware Support	3
Computer Science Electives (From CIS prefix listed in catalog)		15-18
Electives***		6

Total General Education, Technical Concentration & Elective Courses Credit Hours 36-39

Total Credit Hours in the Associate in Applied Science – Computer Science 61-64

*Refer to pages 93, 94 & 95 for general education electives

**A higher placement score may allow a student to exempt MTH 100 and proceed directly to MTH 112.

***Electives may come from any area

COMPUTER SCIENCE – Certificate

GENERAL EDUCATION COURSES		SEMESTER HOURS
CIS 146	Microcomputer Applications	3
ENG 101	English Composition I	3
MTH 100	Intermediate College Algebra	3
MTH 112	Pre-calculus Algebra	3
SPH 106	Fundamentals of Oral Communication	3
ORI 105	Orientation and Student Success	3

Total General Education Credit Hours 18

GENERAL EDUCATION, TECHNICAL CONCENTRATION & ELECTIVE COURSES		SEMESTER HOURS
BUS 241	Principles of Accounting I	3
CIS 130	Intro to Information Systems	3
CIS 150	Introduction to Computer Logic and Programming	3
CIS 191	Intro to Computer Programming Concept	3
CIS 199	Network Communications	3
CIS 207	Introduction to Web Development	3
CIS 268	Software Support	3
CIS 269	Hardware Support	3
CIS 281	Systems Analysis and Design	3
Computer Science Electives (From CIS prefix listed in catalog)		15

Total General Education, Technical Concentration & Elective Courses Credit Hours 43

Total Credit Hours in the Certificate – Computer Science 60

COMPUTER SCIENCE – Short Certificates

COMPUTER CYBERSECURITY

TECHNICAL CONCENTRATION & ELECTIVE COURSES		SEMESTER HOURS
CIS 246	Ethical Hacking	3
CIS 280	Network Security	3
CIS 282	Computer Forensics	3

Total Short Certificate Credit Hours 9

COMPUTER NETWORK AND SUPPORT

TECHNICAL CONCENTRATION & ELECTIVE COURSES		SEMESTER HOURS
CIS 199	Network Communications	3
CIS 268	Software Support	3
CIS 269	Hardware Support	3
Computer Science Elective		3

Total Short Certificate Credit Hours 12

COMPUTER GRAPHICS AND WEB DESIGN

TECHNICAL CONCENTRATION & ELECTIVE COURSES		SEMESTER HOURS
CIS 150	Introduction to Computer Logic and Programming	3
CIS 160	Multimedia for World Wide Web	3
CIS 199	Network Communications	3
CIS 207	Introduction to Web Development	3
CIS 208	Intermediate Web Development	3
CIS 209	Advanced Web Development	3
Computer Science Electives (From CIS prefix listed in catalog)		3

Total Short Certificate Credit Hours 21

COSMETOLOGY – Associate in Occupational Technology

GENERAL EDUCATION COURSES		SEMESTER HOURS
CIS 146	Microcomputer Applications	3
ENG 131	Applied Writing I	3
History, Social and Behavior Sciences Elective*		3
Humanities and Fine Arts Elective**		3
MTH 116	Mathematical Applications	3
Natural Science or Mathematics Elective*		3
SPH 106	Fundamentals of Oral Communication	3
ORI 105	Orientation and Student Success	3

Total General Education Credit Hours 24

TECHNICAL CONCENTRATION – Major Courses		SEMESTER HOURS
COS 111	Introduction to Cosmetology	3
COS 112	Introduction to Cosmetology Lab	3
COS 113	Theory of Chemical Services	3
COS 114	Chemical Services Lab	3
COS 115	Hair Coloring Theory	3
COS 116	Hair Coloring Lab	3
COS 117	Basic Spa Techniques	3
COS 118	Basic Spa Techniques Lab	3
COS 119	Business of Cosmetology	3
COS 123	Cosmetology Salon Practices	3
COS 158	Employability Skills	3

Total Technical Concentration Major Credit Hours 33

Minor Courses

BUS 215	Business Communications	3
Electives***		4
OAD 101	Beginning Keyboarding	3
OAD 131	Business English	3
OAD 135	Financial Record Keeping **OR** BUS 241 Accounting I	3

Total Technical Concentration Minor & Elective Credit Hours 16

Total Credit Hours in the Associate in Occupational Technology – Cosmetology 73

*****Refer to pages 93, 94 & 95 for general education electives

****** Introductory foreign language courses cannot be utilized as the only Humanities and Fine Arts elective

***Electives may come from an area other than the COS and OAD courses

COSMETOLOGY – Certificate

GENERAL EDUCATION COURSES		SEMESTER HOURS
CIS 146	Microcomputer Applications	3
ENG 131	Applied Writing I	3
MTH 116	Mathematical Applications	3
ORI 105	Orientation and Student Success	3
SPH 106	Fundamentals of Oral Communication	3

Total General Education Credit Hours 15

TECHNICAL CONCENTRATION		SEMESTER HOURS
COS 111	Introduction to Cosmetology	3
COS 112	Introduction to Cosmetology Lab	3
COS 113	Theory of Chemical Services	3
COS 114	Chemical Services Lab	3
COS 115	Hair Coloring Theory	3
COS 116	Hair Coloring Lab	3
COS 117	Basic Spa Techniques	3
COS 118	Basic Spa Techniques Lab	3
COS 119	Business of Cosmetology	3
COS 123	Cosmetology Salon Practices	3
COS 158	Employability Skills	3

Total General Education & Technical Concentration Credit Hours..... 33

Total Credit Hours in the Certificate - Cosmetology 48

DRAFTING AND DESIGN TECHNOLOGY – Associate in Applied Science

GENERAL EDUCATION COURSES		SEMESTER HOURS
CIS 146	Microcomputer Applications	3
ENG 101	English Composition I	3
PHL 206	Ethics & Society	3
MTH 100	Intermediate College Algebra	3
Math or Natural Science Elective*		3/4
PSY 200	General Psychology	3
SPH 106	Fundamentals of Oral Communication	3
WKO 106	Workplace Skills	3

Total General Education Credit Hours 24/25

TECHNICAL CONCENTRATION & ELECTIVE COURSES		SEMESTER HOURS
DDT 104	Intro to Computer Aided Drafting and Design	3
DDT 111	Fundamentals of Drafting and Design Technology	3
DDT 116	Blueprint Reading for Construction	3
DDT 124	Intro to Technical Drawing	3
DDT 125	Surface Development	3
DDT 128	Intermediate Technical Drawing	3
DDT 132	Architectural Drafting	3
DDT 144	Basic 3D Modeling	3
DDT 150	Theory of Residential Drawing and Design	3
DDT 233	Intermediate 3D Modeling	3
DDT 234	3D Graphics & Animation	3
Drafting Electives (From DDT prefix listed in catalog)		3

Total Technical Concentration & Elective Courses Credit Hours 36

Total Credit Hours in the Associate in Applied Science – Drafting and Design Technology 60-61

*Refer to pages 93, 94 & 95 for Math & Natural Science electives

DRAFTING AND DESIGN TECHNOLOGY – Certificate

GENERAL EDUCATION COURSES		SEMESTER HOURS
CIS 146	Microcomputer Applications	3
ENG 101	English Composition I	3
MTH 100	Intermediate College Algebra	3
SPH 106	Fundamentals of Oral Communication	3
WKO 106	Workplace Skills	3

Total General Education Credit Hours 15

TECHNICAL CONCENTRATION & ELECTIVE COURSE		SEMESTER HOURS
DDT 104	Intro to Computer Aided Drafting and Design	3
DDT 111	Fundamentals of Drafting and Design Technology	3
DDT 125	Surface Development	3
DDT 127	Intermediate CAD	3
DDT 144	Basic 3D Modeling	3
DDT 233	Three-Dimensional Modeling	3

Total Technical Concentration Credit Hours 18

Total Credit Hours in the Certificate – Drafting and Design Technology 33

DRAFTING AND DESIGN TECHNOLOGY – Short Certificates

GENERAL DRAFTING AND DESIGN TECHNOLOGY

TECHNICAL CONCENTRATION		SEMESTER HOURS
DDT 104	Intro to Computer Aided Drafting and Design	3
DDT 111	Fundamentals of Drafting and Design Technology	3
DDT 144	Basic 3D Modeling	3

Total Credit Hours in the Short-term Certificate – General Drafting 9

ARCHITECTURAL DRAFTING AND DESIGN TECHNOLOGY

TECHNICAL CONCENTRATION		SEMESTER HOURS
DDT 104	Intro to Computer Aided Drafting and Design	3
DDT 111	Fundamentals of Drafting and Design Technology	3
DDT 116	Blueprint Reading for Construction	3
DDT 132	Architectural Drafting	3
DDT 144	Basic 3D Modeling	3
DDT 150	Theory of Residential Drawing and Design	3

Total Credit Hours in the Short-term Certificate – Architectural Drafting 18

GENERAL BUSINESS – Associate in Applied Science

GENERAL EDUCATION COURSES		SEMESTER HOURS
CIS 146	Microcomputer Applications	3
ENG 101	English Composition I	3
MTH 100	Intermediate College Algebra	3
SPH 106	Fundamentals of Oral Communication	3
History, Social and Behavior Sciences Elective*		3
Humanities & Fine Arts Elective*		3
Natural Science Elective*		4
ORI 105	Orientation and Student Success	3

Total General Education Credit Hours 25

TECHNICAL CONCENTRATION & ELECTIVE COURSES		SEMESTER HOURS
BUS 150	Business Math	3
BUS 215	Business Communication	3
BUS 241	Principles of Accounting I	3
BUS 242	Principles of Accounting II	3
BUS 263	The Legal and Social Environment of Business	3
BUS 271	Business Statistics I	3
ECO 231	Principles of Macroeconomics	3
ECO 232	Principles of Microeconomics	3
OAD 101	Beginning Keyboarding	3
Business Electives (from BUS or OAD)		12
Electives**		3

Technical Concentration & Elective Courses Credit Hours 42

Total Credit Hours in the Associate in Applied Science – General Business 67

*Refer to pages 93, 94 & 95 for general education electives

**Electives may come from any area

GENERAL BUSINESS – Certificate

GENERAL EDUCATION COURSES		SEMESTER HOURS
CIS 146	Microcomputer Applications	3
ENG 101	English Composition I	3
MTH 100	Intermediate College Algebra	3
SPH 106	Fundamentals of Oral Communications	3
ORI 105	Orientation and Student Success	3

Total General Education Credit Hours 15

TECHNICAL CONCENTRATION & ELECTIVE COURSES		SEMESTER HOURS
BUS 150	Business Math	3
BUS 215	Business Communication	3
BUS 241	Principles of Accounting I	3
BUS 263	The Legal and Social Environment of Business	3
ECO 232	Principles of Microeconomics	3
OAD 101	Beginning Keyboarding	3
Business Electives (from BUS or OAD)		3

Technical Concentration & Elective Courses Credit Hours 21

Total Credit Hours in the Certificate – General Business 36

GENERAL BUSINESS – Short Certificate

TECHNICAL CONCENTRATION		SEMESTER HOURS
BUS 150	Business Math	3
BUS 215	Business Communication	3
BUS 241	Principles of Accounting I	3
BUS 263	The Legal and Social Environment of Business	3

Total Credit Hours in the Short-term Certificate – General Business 12

INDUSTRIAL ELECTRONICS TECHNOLOGY – Associate in Applied Science

GENERAL EDUCATION COURSES		SEMESTER HOURS
CIS 146	Microcomputer Applications	3
ENG 101	English f Composition I	3
MTH 100	Intermediate College Algebra	3
Natural Science/Math Elective		3
PHL 206	Ethics & Society	3
PSY 200	General Psychology	3
SPH 106	Fundamentals of Oral Communication	3

Total General Education Credit Hours 21

INDUSTRIAL ELECTRONICS TECHNOLOGY CORE COURSES		SEMESTER HOURS
ILT 160	DC Fundamentals	3
ILT 161	AC Fundamentals	3
ILT 162	Solid State Fundamentals	3
ILT 163	Digital Fundamentals	3

Total Industrial Electronics Technology Core Credit Hours 12

INDUSTRIAL ELECTRONICS/ INSTRUMENTATION MAJOR COURSES		SEMESTER HOURS
ILT 108	Introduction to Instruments and Process Control	3
ILT 117	Principles of Construction Wiring	3
ILT 164	Circuit Fabrication I	1
ILT 165	Industrial Electronic Controls I	3
ILT 166	Motors and Transformers I	3
ILT 194	Introduction to Programmable Logic Controllers (AUT 114)	3
ILT 209	Motor Controls I	3
ILT 231	National Electric Code (ILT 118)	3
ILT 218	Industrial Robotics Concepts	3
ILT 239	Certification Preparation	3
WKO 110	NCCER Core	3

Total Technical Concentration Major Course Credit Hours 31

ELECTIVES ***(Please choose only one set of electives from below)*** **SEMESTER HOURS**

ILT 203	Biomedical Electronics I	3
ILT 204	Biomedical Electronics II	3
ILT 294	Biomedical Electronics Clinical I	3
ILT 295	Biomedical Electronics Clinical II	3
OR		
AUT 136	Principles of Refrigeration (ASC111)	3
ILT 109	Electrical Blueprint Reading I	3
ILT 169	Principles of Industrial Pumps and Piping Systems	3
INT 127	Principles of Hydraulics/Pneumatics (INT 118 or AUT 130)	3

Total Elective Credit Hours 12

Total Credit Hours in the Associate in Applied Science - Industrial Electronics Technology..... 76

*****Refer to pages 93, 94 & 95 for general education electives

INDUSTRIAL ELECTRONICS TECHNOLOGY - Certificate

GENERAL EDUCATION COURSES		SEMESTER HOURS
CIS 146	Microcomputer Applications	3
ENG 101	English Composition I	3
MTH 100	Intermediate College Algebra	3
SPH 106	Fundamentals of Oral Communication	3

Total General Education Credit Hours 12

INDUSTRIAL ELECTRONICS TECHNOLOGY CORE COURSES		SEMESTER HOURS
ILT 160	DC Fundamentals	3
ILT 161	AC Fundamentals	3
ILT 162	Solid State Fundamentals	3
ILT 163	Digital Electronics	3

Total Industrial Electronics Technology Core Credit Hours 12

TECHNICAL CONCENTRATION		SEMESTER HOURS
ILT 108	Introduction to Instruments and Process Control	3
ILT 117	Introduction to Construction Wiring	3
ILT 164	Circuit Fabrication I	1
ILT 165	Industrial Electronic Controls I	3
ILT 166	Motors and Transformers I	3
ILT 194	Introduction to Programmable Logic Controllers (AUT 114)	3
ILT 209	Motor Controls I	3
ILT 239	Certification Preparation	3
Electives (From AUT, ILT, and INT prefixes)		6
WKO 110	NCCER Core	3

Total Industrial Electronics and Instrumentation Technical Concentration & Elective Credit Hours 31

Total General Education, Technical Concentration & Elective Credit Hours 55

INDUSTRIAL ELECTRONICS TECHNOLOGY – Short Certificates

INDUSTRIAL ELECTRONICS and INSTRUMENTATION

TECHNICAL CONCENTRATION & ELECTIVE COURSES		SEMESTER HOURS
ILT 108	Introduction to Instruments and Process Controls	3
ILT 160	DC Fundamentals	3
ILT 161	AC Fundamentals	3
ILT 162	Solid State Fundamentals	3
ILT 163	Digital Electronics	3
ILT 209	Motor Controls I	3
ILT 239	Certification Preparation	3
Electives (From AUT, ILT and INT prefixes)		3
WKO 110	NCCER Core	3

Total Credit Hours in the Short-term Certificate – Industrial Electronics & Instrumentation 27

GENERAL INDUSTRIAL ELECTRONICS

TECHNICAL CONCENTRATION		SEMESTER HOURS
ILT 160	DC Fundamentals	3
ILT 194	Introduction to Programmable Logic Controllers (AUT 114)	3
ILT 218	Industrial Robotics Concepts	3
WKO 110	NCCER Core	3

Total Credit Hours in the Short-term Certificate – General Industrial Electronics..... 12

BIOMEDICAL TECHNOLOGY

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS
ILT 117	Introduction to Construction Wiring	3
ILT 160	DC Fundamentals	3
ILT 161	AC Fundamentals	3
ILT 164	Circuit Fabrication I	1
ILT 203	Biomedical Electronics I	3
ILT 204	Biomedical Electronics II	3
ILT 294	Biomedical Electronics Clinical I	3
ILT 295	Biomedical Electronics Clinical II	3
WKO 110	NCCER Core	3

Total Credit Hours in the Short-term Certificate – Industrial Electronics Technology (Biomedical Technology Option) 25

MACHINE SHOP – Associate in Occupational Technology

GENERAL EDUCATION & ELECTIVE COURSES		SEMESTER HOURS
CIS 146	Microcomputer Applications	3
ENG 131	Applied Writing I	3
History, Social and Behavior Sciences Elective*		3
Humanities & Fine Arts Electives**		3
MTH 116	Mathematical Applications	3
Natural Science or Mathematics Elective*		3
SPH 106	Fundamentals of Oral Communication	3
WKO 110	NCCER Workplace Skills	3

Total General Education Credit Hours 24

MAJOR TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS	CONTACT HOURS
MSP 125	Intro to Machine Shop Technology	3	7
MSP 102	Intermediate Machining Technology	5	11
MSP 103	Advanced Machining Technology	5	8
MSP 104	Basic Machining Calculations	2	3
MSP 105	Lathes	3	3
MSP 107	Milling Machines	3	5
MSP 111	Introduction to Computer Numerical Control (CNC 111)	2	3
MSP 112	Basic Computer Numerical Control Turning (CNC 112)	3	5
MSP 121	Basic Blueprint Reading for Machinists (CNC121)	2	3
MSP 132	Grinding Machines	3	5
MSP 142	Advanced Machining Calculation (CNC 142)	2	3
MSP 171	Intermediate Blueprint Reading	2	3

Total Technical Concentration Major Credit Hours 35

MINOR TECHNICAL COURSES (Computer Numerical Control – 13 hours required from the list below) ***Note: Student must consult with instructor for approval of CNC courses in the minor area.***

		SEMESTER HOURS	CONTACT HOURS
CNC 113	Computer Numeric Control Milling	3	5
CNC 115	Basic Math for Computerized Numerical Control	3	3
CNC 143	Applied Trigonometry for CNC Machining	3	3
CNC 181	Special Topics in CNC (Form Grinding)	3	5
CNC 213	Advanced Computer Numerical Control Milling	3	5
CNC 215	Quality Control and Assurance	3	4
CNC 218	Programming and Set-up Electrical Discharge Machine	6	9
CNC 221	Advanced Blueprint Reading for Machinists	3	4
CNC 223	Computer Numerical Control Graphics Programming: Milling	3	5

CNC 230	Computer Numerical Control Special Projects	3	5
CNC 232	Basic Tool and Die	4	6
CNC 235	Basic Die Construction	5	9
CNC 281	Special Topics CNC (Heat Treatment)	3	5

Total Technical Concentration Minor Credit Hours 13

Total Credit Hours in the Associate in Occupational Technology – Machine Shop Technology 72

*Refer to pages 93, 94 & 95 for general education electives

** Introductory foreign language courses cannot be utilized as the only Humanities and Fine Arts elective

MACHINE SHOP – Certificate

GENERAL EDUCATION COURSES		SEMESTER HOURS
CIS 146	Microcomputer Applications	3
ENG 131	Applied Writing I	3
MTH 116	Mathematical Applications	3
SPH 106	Fundamentals of Oral Communication	3
WKO 110	NCCER Workplace Skills	3

Total General Education Credit Hours 15

MAJOR TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS	CONTACT HOURS
MSP 125	Intro to Machine Shop Technology	3	7
MSP 102	Intermediate Machining Technology	5	11
MSP 103	Advanced Machining Technology	5	8
MSP 104	Basic Machining Calculations	2	3
MSP 105	Lathes	3	3
MSP 107	Milling Machines	3	5
MSP 111	Introduction to Computer Numerical Control (CNC 111)	2	3
MSP 112	Basic Computer Numerical Control Turning (CNC 112)	3	5
MSP 121	Basic Blueprint Reading for Machinists (CNC121)	2	3
MSP 132	Grinding Machines	3	5
MSP 142	Advanced Machining Calculation (CNC 142)	2	3
MSP 171	Intermediate Blueprint Reading	2	3

Total Technical Concentration Major Credit Hours 35

MINOR TECHNICAL COURSES (Computer Numerical Control – 6 credit hours required from the list below) N*ote: Student <u>must</u> consult with instructor for approval of CNC courses in the minor area.*

		SEMESTER HOURS	CONTACT HOURS
CNC 113	Computer Numeric Control Milling	3	5
CNC 115	Basic Math for Computerized Numerical Control	3	3
CNC 143	Applied Trigonometry for CNC Machining	3	3
CNC 181	Special Topics in CNC (Form Grinding)	3	5
CNC 213	Advanced Computer Numerical Control Milling	3	5
CNC 215	Quality Control and Assurance	3	4
CNC 218	Programming and Set-up Electrical Discharge Machine	6	9
CNC 221	Advanced Blueprint Reading for Machinists	3	4
CNC 223	Computer Numerical Control Graphics Programming: Milling	3	5
CNC 230	Computer Numerical Control Special Projects	3	5

CNC 232	Basic Tool and Die	4	6
CNC 235	Basic Die Construction	5	9
CNC 281	Special Topics CNC (Heat Treatment)	3	5

Total Technical Concentration Minor Credit Hours 6

Total Credit Hours in the Certificate – Machine Shop 56

MACHINE SHOP – Short Certificates

BASIC MACHINE OPERATION

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS	CONTACT HOURS
MSP 102	Intermediate Machining Technology	5	11
MSP 104	Basic Machining Calculations	2	3
MSP 111	Introduction to Computer Numerical Control (CNC 111)	2	3
MSP 121	Basic Blueprint Reading for Machinists (CNC121)	2	3
MSP 125	Introduction to Machine Shop Technology	3	7

Total Credit Hours in the Short-term Certificate – Basic Machine Operation 14

BASIC MACHINIST

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS	CONTACT HOURS
MSP 102	Intermediate Machining Technology	5	11
MSP 104	Basic Machining Calculations	2	3
MSP 111	Introduction to Computer Numerical Control (CNC 111)	2	3
MSP 121	Basic Blueprint Reading for Machinists (CNC121)	2	3
MSP 125	Introduction to Machine Shop Technology	3	7
MSP 132	Grinding Machines	3	5
MSP 142	Advanced Machining Calculation (CNC 142)	2	3
MSP 171	Intermediate Blueprint Reading	2	3

Total Credit Hours in the Short-term Certificate - Basic Machinist 21

CNC OPERATOR

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS	CONTACT HOURS
CNC 111	Introduction to Computer Numerical Control (MSP111)	2	3
CNC 112	Computer Numeric Control Turning (MSP112)	3	5
CNC 113	Computer Numeric Control Milling	3	5
CNC 121	Basic Blueprint Reading for Machinists (MSP121)	2	3
CNC 142	Applied Geometry for CNC Machine	2	3
CNC 223	Computer Numerical Control Graphics Programming: Milling	3	5

Total Credit Hours in the Short-term Certificate – CNC Operator 15

CNC SPECIALIST

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS	CONTACT HOURS
CNC 111	Introduction to Computer Numerical Control (MSP111)	2	3
CNC 112	Computer Numeric Control Turning (MSP112)	3	5
CNC 113	Computer Numeric Control Milling	3	5
CNC 121	Basic Blueprint Reading for Machinists (MSP121)	2	3
CNC 142	Applied Geometry for CNC Machine	2	3
CNC 213	Advanced Computer Numerical Control Milling	3	5
CNC 215	Quality Control and Assurance	3	4
CNC 223	Computer Numerical Control Graphics Programming: Milling	3	5
CNC 230	Computer Numerical Control Special Projects	3	5

Total Credit Hours in the Short-term Certificate – CNC Specialists 24

MANUAL LATHE OPERATOR

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS	CONTACT HOURS
MSP 104	Basic Machining Calculations	2	3
MSP 105	Lathes	3	3
MSP 121	Basic Blueprint Reading for Machinists (CNC121)	2	3
MSP 125	Introduction to Machine Shop Technology	3	7

Total Credit Hours in the Short-term Certificate – Manual Lathe Operator 10

MANUAL MILLING MACHINE OPERATOR

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS	CONTACT HOURS
MSP 104	Basic Machining Calculations	2	3
MSP 107	Milling Machines	3	5
MSP 121	Basic Blueprint Reading for Machinists (CNC121)	2	3
MSP 125	Introduction to Machine Shop Technology	3	7

Total Credit Hours in the Short-term Certificate – Manual Milling Machine Operator.....10

TOOL AND DIE

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS	CONTACT HOURS
CNC/MSP 181	Special Topics in Computerized Numerical Control	3	5
CNC/MSP 215	Quality Control and Assurance	3	4
CNC/MSP 218	Programming and Set-up Electrical Discharge Machine	6	9
CNC/MSP 221	Advanced Blueprint Reading for Machinists	3	4
CNC/MSP 232	Basic Tool and Die	4	6
CNC/MSP 235	Basic Die Construction	5	9
CNC/MSP 281	Special Topics	3	5

Total Credit Hours in the Short-term Certificate Tool and Die.....27

MANUFACTURING TECHNOLOGY – Associate in Applied Science

Automotive Manufacturing Technology

GENERAL EDUCATION & ELECTIVE COURSES		SEMESTER HOURS
CIS 146	Microcomputer Applications	3
ENG 101	English Composition I	3
MTH 100	Intermediate College Algebra	3
Natural Science/Mathematics Elective*		3
Humanities and Fine Arts Elective**		3
PSY 200	General Psychology	3
SPH 106	Fundamentals of Oral Communication	3
ORI 105	Orientation and Student Success	3

Total General Education Credit Hours 24

MANUFACTURING TECHNOLOGY CORE COURSES		SEMESTER HOURS
AUT 100	Introduction to Automotive Concepts	3
AUT 102	Manufacturing Fundamentals (Lean Manufacturing & OSHA)	3
AUT 104	Blueprint Reading for Manufacturing (DDT 114, MSP 121)	3
AUT 114	Intro to Programmable Logic Controllers (ILT 194, INT 184)	3
AUT 116	Introduction to Robotics	3
AUT 197	Special Topics (Machining)	2
ILT 160	DC Fundamentals (AUT 110, INT 101)	3
ILT 161	AC Fundamentals (AUT 111, INT 103)	3
MSP 101	Basic Machining Technology	5

Total Manufacturing Technology Core Credit Hours 28

AUTOMOTIVE MANUFACTURING TECHNOLOGY OPTION (Choose 15 credit hours from list below)		SEMESTER HOURS
AUT 106	Quality Control and Inspection Techniques	3
AUT 118	Introduction to Engineering Technology (ILT 100)	3
AUT 130	Fundamentals of Industrial Hydraulics and Pneumatics (ILT 169)	3
AUT 136	Principles of Refrigeration (ASC 111)	3
AUT 138	Principles of Industrial Mechanics (INT 117)	3
AUT 154	Metallurgy	3
AUT 158	Die Fundamentals	3
AUT 160	Die Construction and Tryout	3
AUT 161	Die Maintenance and Repair (CNC 161)	3
AUT 169	Basic CAD (DDT 104)	3
AUT 190	Special Topics (Welding)	1
AUT 191	Special Topics (Welding)	2
AUT 192	Special Topics (Welding)	3
AUT 193	Special Topics (Electrical/Electronic)	1

AUT 194	Special Topics (Electrical/Electronic)	2
AUT 195	Special Topics (Electrical/Electronic)	3
AUT 196	Special Topics (Machining)	1
AUT 198	Special Topics (Machining)	3
AUT 206	Quality Technician Fundamentals	2
AUT 212	Robot Operation and Programming	3
AUT 213	Robotics Project	3
AUT 217	Elements of Industrial Control II	3
AUT 219	PLC Application	3
AUT 221	Advanced Programmable Logic Controllers (ILT 196)	3
AUT 230	Preventive and Predictive Maintenance (INT 126)	3
AUT 232	Sensors Technology and Applications (ILT 165)	3
AUT 234	Industrial Motor Controls I (ILT 209)	3
AUT 250	Introduction to Process Control (ILT 108, INT 105)	3
AUT 251	Introduction to Servo Control	3
AUT 253	Introduction to Computer Numerical Control	3
AUT 254	CNC Programming	3
AUT 273	Injection Mold Processing	3
AUT 278	Robotic Programming and Welding (WDT 160)	3
AUT 280	Consumable Welding Process	3
AUT 282	Consumable Welding Process Lab	3
AUT 286	SMAW Fillet/OFC (WDT 108)	3
AUT 287	SMAW Fillet/OFC Lab (WDT 122)	3
AUT 291	Automotive Cooperative Education	1
AUT 292	Automotive Cooperative Education	2
AUT 293	Automotive Cooperative Education	3
ILT 163	Digital Fundamentals	3
ILT 209	Motor Controls I	3

Total Automotive Manufacturing Technology Option Credit Hours.....15

Total Credit Hours in the Associate in Applied Science - Manufacturing Technology (Automotive Manufacturing Technology Option) 67

*Refer to pages 93, 94 & 95 for general education electives

** Introductory foreign language courses cannot be utilized as the only Humanities and Fine Arts elective

MANUFACTURING TECHNOLOGY – Associate in Applied Science

Industrial Maintenance Option

GENERAL EDUCATION & ELECTIVE COURSES		SEMESTER HOURS
CIS 146	Microcomputer Applications	3
ENG 101	English Composition I	3
MTH 100	Intermediate College Algebra	3
Math/Science Elective*		3
Humanities and Fine Arts Elective**		3
PSY 200	General Psychology	3
SPH 106	Fundamentals of Oral Communication	3
ORI 105	Orientation and Student Success	3

Total General Education Credit Hours 24

MANUFACTURING TECHNOLOGY TECHNICAL CORE		SEMESTER HOURS
AUT 130	Fundamentals of Industrial Hydraulics and Pneumatics (ILT 169)	3
AUT 102	Manufacturing Fundamentals (Lean Manufacturing & OSHA)	3
AUT 104	Blueprint Reading for Manufacturing (DDT 114, MSP 121)	3
AUT 114	Intro to Programmable Logic Controllers (ILT 194, INT 184)	3
AUT 116	Introduction to Robotics	3
AUT 197	Special Topics (Machining)	2
ILT 160	DC Fundamentals (AUT 110, INT 101)	3
ILT 161	AC Fundamentals (AUT 111, INT 103)	3
MSP 101	Basic Machining Technology	5

Total Manufacturing Technology Core Credit Hours 28

INDUSTRIAL MAINTENANCE OPTION COURSES		SEMESTER HOURS
AUT 136	Principles of Refrigeration (ASC 111)	3
AUT 138	Principles of Industrial Mechanics (INT 117)	3
AUT 219	PLC Application	3
AUT 230	Preventive and Predictive Maintenance (INT 126)	3
AUT 250	Introduction to Process Control (ILT 108, INT 105)	3
ILT 166	Motor and Transformers I	3
WDT 108	SMAW Fillet/OFC	3
WDT 122	SMAW Fillet/OFC Lab	3

Total Industrial Maintenance Option Credit Hours 24

Total Credit in the Associate in Applied Science – Manufacturing Technology (Industrial Maintenance Option) 76

*Refer to pages 93, 94 & 95 for general education electives

** Introductory foreign language courses cannot be utilized as the only Humanities and Fine Arts elective

MANUFACTURING TECHNOLOGY – Certificate

AUTOMOTIVE MANUFACTURING - Certificate

GENERAL EDUCATION COURSES		SEMESTER HOURS
CIS 146	Microcomputer Applications	3
ENG 101	English Composition I	3
MTH 100	Intermediate College Algebra	3
SPH 106	Fundamentals of Oral Communication	3
ORI 105	Orientation and Student Success	3

Total General Education Credit Hours 12

MANUFACTURING TECHNOLOGY CORE COURSES		SEMESTER HOURS
AUT 102	Manufacturing Fundamentals (Lean Manufacturing & OSHA)	3
AUT 104	Blueprint Reading for Manufacturing (DDT 114, MSP 121)	3
AUT 114	Intro to Programmable Logic Controllers (ILT 194, INT 184)	3
AUT 116	Introduction to Robotics	3
ILT 160	DC Fundamentals (AUT 110, INT 101)	3
ILT 161	AC Fundamentals (AUT 111, INT 103)	3

Total Manufacturing Technology Core Credit Hours 18

AUTOMOTIVE MANUFACTUIRNING TECHNOLOGY COURSES

(Choose 12 hours from the list below)		**SEMESTER HOURS**
AUT 106	Quality Control and Inspection Techniques	3
AUT 118	Introduction to Engineering Technology (ILT 100)	3
AUT 130	Fundamentals of Industrial Hydraulics and Pneumatics (ILT 169)	3
AUT 136	Principles of Refrigeration (ASC 111)	3
AUT 138	Principles of Industrial Mechanics (INT 117)	3
AUT 154	Metallurgy	3
AUT 158	Die Fundamentals	3
AUT 160	Die Construction and Tryout	3
AUT 161	Die Maintenance and Repair (CNC 161)	3
AUT 169	Basic CAD (DDT 104)	3
AUT 190	Special Topics (Welding)	1
AUT 191	Special Topics (Welding)	2
AUT 192	Special Topics (Welding)	3
AUT 193	Special Topics (Electrical/Electronic)	1
AUT 194	Special Topics (Electrical/Electronic)	2
AUT 195	Special Topics (Electrical/Electronic)	3
AUT 196	Special Topics (Machining)	1
AUT 198	Special Topics (Machining)	3
AUT 206	Quality Technician Fundamentals	2
AUT 212	Robot Operation and Programming	3

AUT 213	Robotics Project	3
AUT 217	Elements of Industrial Control II	3
AUT 219	PLC Application	3
AUT 221	Advanced Programmable Logic Controllers (ILT 196)	3
AUT 230	Preventive and Predictive Maintenance (INT 126)	3
AUT 232	Sensors Technology and Applications (ILT 165)	3
AUT 234	Industrial Motor Controls I (ILT 209)	3
AUT 250	Introduction to Process Control (ILT 108, INT 105)	3
AUT 251	Introduction to Servo Control	3
AUT 253	Introduction to Computer Numerical Control	3
AUT 254	CNC Programming	3
AUT 273	Injection Mold Processing	3
AUT 278	Robotic Programming and Welding (WDT 160)	3
AUT 280	Consumable Welding Process	3
AUT 282	Consumable Welding Process Lab	3
AUT 286	SMAW Fillet/OFC (WDT 108)	3
AUT 287	SMAW Fillet/OFC Lab (WDT 122)	3
AUT 291	Automotive Cooperative Education	1
AUT 292	Automotive Cooperative Education	2
AUT 293	Automotive Cooperative Education	3
ILT 163	Digital Fundamentals	3
ILT 209	Motor Controls I	3

Total Automotive Manufacturing Technology Option Credit Hours 12

Total Credit Hours in the Certificate - Manufacturing Technology (Automotive Manufacturing Technology Option) 45

MANUFACTURING TECHNOLOGY – Certificate

INDUSTRIAL MAINTENANCE

GENERAL EDUCATION COURSES		SEMESTER HOURS
CIS 146	Microcomputer Applications	3
ENG 101	English Composition I	3
MTH 100	Intermediate College Algebra	3
SPH 106	Fundamentals of Oral Communication	3
ORI 105	Orientation and Student Success	3
Total General Education Credit Hours		**15**

MANUFACTURING TECHNOLOGY CORE COURSES		SEMESTER HOURS
AUT 102	Manufacturing Fundamentals (Lean Manufacturing & OSHA)	3
AUT 104	Blueprint Reading for Manufacturing (DDT 114, MSP 121)	3
AUT 114	Introduction to Programmable Logic Controllers (ILT 194, INT 184)	3
AUT 116	Introduction to Robotics	3
ILT 160	DC Fundamentals (AUT 110, INT 101)	3
ILT 161	AC Fundamentals (AUT 111, INT 103)	3
Total Manufacturing Technology Core Credit Hours		**18**

INDUSTRIAL MAINTENANCE OPTION COURSES		SEMESTER HOURS
AUT 138	Principles of Industrial Mechanics (INT 117)	3
AUT 230	Preventive and Predictive Maintenance (INT 126)	3
AUT 250	Introduction to Process Control (ILT 108, INT 105)	3
ILT 166	Motor and Transformers I	3
WDT 108	SMAW Fillet/OFC	3
WDT 122	SMAW Fillet/OFC Lab	3
Total Industrial Maintenance Option Credit Hours		**18**

Total Credit Hours in the Certificate - Manufacturing Technology (Industrial Maintenance Option)..... 51

MANUFACTURING TECHNOLOGY – Short Certificates

INDUSTRIAL MAINTENANCE

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS
AUT138	Principles of Industrial Mechanics (INT117)	3
AUT 219	PLC Application	3
AUT 250	Introduction to Process Control (ILT 108, INT 105)	3
ILT 160	DC Fundamentals	3
ILT 161	AC Fundamentals	3
WDT 108	SMAW Fillet/OFC	3
WDT 122	SMAW Fillet/OFC Lab	3

Total Credit Hours in the Short-Term Certificate – Manufacturing Technology (Industrial Maintenance Option) 21

MANUFACTURING TECHNOLOGY

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS
AUT 104	Blueprint Reading for Manufacturing (DDT 114, MSP 121)	3
AUT 114	Intro to Programmable Logic Controllers (ILT 194, INT 184)	3
AUT 118	Introduction to Engineering Technology	3
AUT 130	Fundamentals of Industrial Hydraulics and Pneumatics (ILT 169)	3
ILT 160	DC Fundamentals (AUT 110, INT 101)	3
ILT 161	AC Fundamentals (AUT 112, INT 103)	3

Total Credit Hours in the Short Term Certificate - Manufacturing Technology (Manufacturing Technology Option) 18

AUTOMOTIVE MANUFACTURING TECHNOLOGY

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS
AUT 110 or ILT 160	DC Fundamentals	3
AUT 114 or ILT 194	Intro to Programmable Logic Controllers	3
AUT 116 or ILT 218	Introduction to Robotics	3

Total Credit Hours in the Short-Term Certificate – Manufacturing Technology ……..9

ROBOTICS AND PLC TECHNOLOGY

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS
AUT 114	Intro to Programmable Logic Controllers (ILT 194, INT 184)	3
AUT 116	Introduction to Robotics	3
AUT 251	Introduction to Servo Control	3
AUT 212	Robot Operation and Programming	3
AUT 219	PLC Applications	3
AUT 232	Sensors Technology and Applications (ILT 165)	3
AUT 278	Robotic Programming and Welding (WDT 160)	3

Total Credit Hours in the Short Term Certificate – Manufacturing Technology (Robotics and PLC).....21

OFFICE ADMINISTRATION – Associate in Applied Science

Students should consult the Office Administration faculty with regard to the suggested sequence for scheduling courses.

GENERAL EDUCATION & ELECTIVE COURSES		SEMESTER HOURS
CIS 146	Microcomputer Applications	3
ENG 101	English Composition I	3
MTH 100	Intermediate College Algebra	3
SPH 106	Fundamentals of Oral Communication	3
ORI 105	Orientation and Student Success	3
History, Social and Behavior Sciences Elective*		3
Humanities & Fine Arts Elective*		3
Natural Science Elective*		4

Total General Education Credit Hours 25

TECHNICAL CONCENTRATION & ELECTIVE COURSES		SEMESTER HOURS
BUS 150	Business Math	3
BUS 241	Principles of Accounting I	3
OAD 101	Beginning Keyboarding	3
OAD 103	Intermediate Keyboarding	3
OAD 125	Word Processing	3
OAD 131	Business English	3
OAD 138	Records/Information Management	3
OAD 243	Spreadsheet Applications	3
Business Electives (From BUS, OAD, or HIT prefix)		12

Technical Concentration & Elective Courses Credit Hours 36

Total Credit Hours in the Associate in Applied Science – Office Administration 61

*Refer to pages 93, 94 & 95 for general education electives

OFFICE ADMINISTRATION - Certificate

Students should consult the Office Administration faculty with regard to the suggested sequence for scheduling courses.

GENERAL EDUCATION COURSES		**SEMESTER HOURS**
CIS 146	Microcomputer Applications	3
ENG 101	English Composition I	3
MTH 100	Intermediate College Algebra	3
SPH 106	Fundamentals of Oral Communication	3
ORI 105	Orientation and Student Success	3

Total General Education Credit Hours 15

TECHNICAL CONCENTRATION & ELECTIVE COURSES		**SEMESTER HOURS**
BUS 150	Business Math	3
BUS 241	Principles of Accounting I	3
OAD 101	Beginning Keyboarding	3
OAD 103	Intermediate Keyboarding	3
OAD 125	Word Processing	3
OAD 131	Business English	3
OAD 138	Records/Information Management	3
OAD 243	Spreadsheet Applications	3
Business Electives (From BUS, OAD, or HIT prefix)		9

Technical Concentration & Elective Courses Credit Hours 33

Total Credit Hours in the Certificate – Office Administration 48

OFFICE ADMINISTRATION – Short Certificates

GENERAL OFFICE ADMINISTRATION

Students should consult the Office Administration faculty with regard to the suggested sequence for scheduling courses.

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS
BUS 150	Business Math	3
CIS 146	Microcomputer Applications	3
OAD 101	Beginning Keyboarding	3
OAD 131	Business English	3

Total Credit Hours in the Short Certificate – Office Administration.....12

HEALTH INFORMATION TECHNOLOGY

Students should consult the Office Administration faculty with regard to the suggested sequence for scheduling courses.

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS
BUS 215	Business Communication	3
BUS 241	Principles of Accounting I	3
HIT 254	Organizational Improvement	3
HIT 296	Professional Practices Simulations (Internship)	3
OAD 101	Beginning Keyboarding	3
OAD 211	Medical Terminology	3
OAD 215	Health Information Management	3
OAD 216	Advanced Health Information Management	3
OAD 243	Spreadsheet Applications	3

Total Credit Hours in the Office Administration Short Certificate – Health Information Technology 27

BUSINESS COMMUNICATIONS

Students should consult the Office Administration faculty with regard to the suggested sequence for scheduling courses.

TECHNICAL CONCENTRATION COURSES		**SEMESTER HOURS**
OAD 101	Beginning Keyboarding	3
OAD 125	Word Processing	3
OAD 131	Business English	3
OAD 246	Office Graphics and Presentation	3

Total Credit Hours in the Office Administration Short Certificate – Business Communications.....12

MICROSOFT OFFICE

Students should consult the Office Administration faculty with regard to the suggested sequence for scheduling courses.

TECHNICAL CONCENTRATION COURSES		**SEMESTER HOURS**
OAD 101	Beginning Keyboarding	3
OAD 125	Word Processing	3
OAD 243	Spreadsheet Applications	3
OAD 244	Database Applications	3
OAD 246	Office Graphics and Presentation	3

Total Credit Hours in the Office Administration Short Certificate – Microsoft Office 15

WELDING – Associate in Occupational Technology

GENERAL EDUCATION COURSES		SEMESTER HOURS
CIS 146	Microcomputer Applications	3
ENG 101	English Composition I **OR** ENG 131 Applied Writing I	3
Social and Behavioral Science Elective*		3
Humanities and Fine Arts Elective**		3
MTH 100	Intermediate College Algebra or Higher Math	3
SPH 106	Fund of Oral Comm. **OR** SPH 107 Fund of Public Speaking	3

Total General Education Credit Hours 18

TECHNICAL MAJOR CONCENTRATION & ELECTIVE COURSES			SEMESTER HOURS	CONTACT HOURS
WDT 108	SMAW Fillet/OFC		3	4
WDT 109	SMAW Fillet PAC/CAC		3	4
WDT 110	Industrial Blueprint Reading		3	3
WDT 119	Gas Metal Arc/Flux Cored Arc Welding Theory		3	4
WDT 120	Shielded Metal Arc Welding Groove		3	4
WDT 122	SMAW Fillet/ OFC Lab		3	6
WDT 123	SMAW Fillet PAC/CAC Lab		3	6
WDT 124	Gas Metal Arc/Flux Cored Arc Welding Lab		3	6
WDT 125	Shielded Metal Arc Welding Groove Lab		3	6
WKO 110	Orientation/NCCER Core		3	4
WDT Electives (Choose from below)			**6**	
	WDT 115/155	GTAW Carbon Pipe/Lab **OR**	6	10
	WDT 217/257	SMAW Carbon Pipe/Lab **OR**	6	10
	WDT 228/268	GAS Tungsten Arc Welding/Lab	6	10

Total Technical Concentration Major Credit Hours 36

TECHNICAL MINOR CONCENTRATION & ELECTIVE COURSES *(Choose One Option Below)*		SEMESTER HOURS	CONTACT HOURS
Minor Option 1 – 12 Semester Hours			
DDT 104	Basic Computer Aided Drafting	3	5
DDT 111	Fundamentals of Drafting & Design Technology	3	5
DDT 144	Basic 3-D Modeling	3	5
DDT 127	Intermediate CAD	3	5
Minor Option 2 – 10 Semester Hours			
MSP 104	Basic Machining Calculations	2	3
MSP 107	Milling Machines	3	5
MSP 121	Basic Blueprint Reading for Machinists (CNC121)	2	3
MSP 125	Introduction to Machining Technology	3	7

Total Technical Concentration Minor Credit Hours 10-12

Total Credit Hours in the Associate in Occupational Technology – Welding 64-66

*Refer to pages 93, 94 & 95 for general education electives

** Introductory foreign language courses cannot be utilized as the only Humanities and Fine Arts elective

WELDING – Certificate

GENERAL EDUCATION COURSES		SEMESTER HOURS
CIS 146	Microcomputer Applications	3
ENG 101	English Composition or ENG 131 Applied Writing	3
MTH 100	Intermediate College Algebra or Higher Math	3
SPH 106	Fund of Oral Communication or SPH 107 Fund of Public Speaking	3

Total General Education Credit Hours 12

TECHNICAL MAJOR CONCENTRATION & ELECTIVE COURSES		SEMESTER HOURS	CONTACT HOURS
WDT 108	SMAW Fillet/OFC	3	4
WDT 109	SMAW Fillet PAC/CAC	3	4
WDT 110	Industrial Blueprint Reading	3	3
WDT 119	Gas Metal Arc/Flux Cored Arc Welding Theory	3	4
WDT 120	Shielded Metal Arc Welding Groove	3	4
WDT 122	SMAW Fillet/ OFC Lab	3	6
WDT 123	SMAW Fillet PAC/CAC Lab	3	6
WDT 124	Gas Metal Arc/Flux Cored Arc Welding Lab	3	6
WDT 125	Shielded Metal Arc Welding Groove Lab	3	6
WDT Electives (Choose from below)		**6**	
	WDT 115/155 GTAW Carbon Pipe/Lab **OR**	6	10
	WDT 217/257 SMAW Carbon Pipe/Lab **OR**	6	10
	WDT 228/268 GAS Tungsten Arc Welding/Lab	6	10
WKO 110	Orientation/NCCER Core	3	4

Total Technical Concentration Major Credit Hours 36

Total General Education, Technical Concentrations & Elective Courses Credit Hours 48

WELDING - Short Certificates

BASIC SHIELDED METAL ARC WELDING

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS	CONTACT HOURS
WDT 108	SMAW Fillet/OFC	3	4
WDT 109	SMAW Fillet/PAC/CAC	3	4
WDT 122	SMAW Fillet/OFC Lab	3	6
WDT 123	SMAW Fillet PAC/CAC Lab	3	6

Total Credit Hours in the Short Certificate – Basic Shielded Metal Arc Welding.....12

BASIC GAS METAL ARC WELDING – Short Certificate

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS	CONTACT HOURS
WDT 110	Industrial Blueprint Reading	3	3
WDT 119	Gas Metal Arc/Flux Cored Arc Welding Theory	3	4
WDT 124	Gas Metal Arc/Flux Cored Arc Welding Lab	3	6
WDT 120	Shielded Metal Arc Welding Groove	3	4
WDT 125	Shielded Metal Arc Welding Groove Lab	3	6

Total Credit Hours in the Short Certificate –Basic Gas Metal Arc Welding.12

BASIC GAS TUNGSTEN ARC WELDING

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS	CONTACT HOURS
WDT 120	Shielded Metal Arc Welding Groove	3	4
WDT 125	Shielded Metal Arc Welding Groove Lab	3	6
WDT 228	GAS Tungsten Arc Welding	3	4
WDT 268	GAS Tungsten Arc Welding Lab	3	6

Total Credit Hours in the Short Certificate – Basic Tungsten Arc Welding.....12

CARBON ARC PIPE WELDING

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS	CONTACT HOURS
WDT 115	GTAW Carbon Pipe	3	4
WDT 155	GTAW Carbon Pipe Lab	3	6
WDT 217	SMAW Carbon Pipe	3	4
WDT 257	SMAW Carbon Pipe Lab	3	6

Total Credit Hours in the Short Certificate – Carbon Arc Pipe Welding.....12

BASIC CAD – Short Certificate

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS	CONTACT HOURS
DDT 104	Basic Computer Aided Drafting	3	5
DDT 111	Fundamentals of Drafting & Design Technology	3	5
DDT 144	Basic 3-D Modeling	3	5
DDT 127	Intermediate CAD	3	5

Total Credit Hours in the Short Certificate –Basic CAD 12

Manual Milling Machine – Short Certificate

TECHNICAL CONCENTRATION COURSES		SEMESTER HOURS	CONTACT HOURS
MSP 104	Basic Machining Calculations	2	3
MSP 107	Milling Machines	3	5
MSP 121	Basic Blueprint Reading for Machinists (CNC121)	2	3
MSP 125	Introduction to Machining Technology	3	7

Total Credit Hours in the Short Certificate – Manual Milling Machine.....12

NURSING PROGRAM

APPROVAL AND ACCREDITATION

Central Alabama Community College's associate degree nursing program is accredited by the Accreditation Commission for Education in Nursing (3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, 404-975-5000, www.acenursing.org) and approved by the Alabama Board of Nursing. The practical nursing program is approved by the Alabama Board of Nursing. All agencies used as clinical sites are approved/accredited by an appropriate organization.

DEGREE AND LICENSURE

The Division of Nursing offers two points of exit within the nursing program. After successful completion of the third semester of the nursing curriculum, the student is awarded a certificate in practical nursing and may be eligible to apply for licensure as a practical nurse. After successful completion of the five semester nursing curriculum, the graduate is awarded an Associate in Applied Science-Associate Degree Nursing and may be eligible to apply for licensure as a registered nurse. Fees for the examination and the license are set by the testing and licensing authorities and are the responsibility of the student.

Students are referred to the Alabama Board of Nursing Administrative Code at the Alabama Board of Nursing website www.abn.state.al.us for "Grounds for Denial of a License". Legal background questions are incorporated on the Alabama Board of Nursing application for a license. Applicants to whom these regulations may apply may contact the Board of Nursing for additional information.

Upon successful completion of the NCLEX-PN or NCLEX-RN, the graduate will be able to practice as a beginning practitioner in his/her respective field of study.

NURSING PROGRAM REQUIREMENTS

Students who are enrolled in the nursing program have increased responsibilities due to their direct contact with clients in health care settings. Certain additional standards for admission and progression through the programs of study, as well as, regular College admission and progression standards are required. For a complete discussion of criteria for admission and progression in the nursing program, refer to the discussions on the following pages. Listed below are general requirements and standards that apply to the nursing program:

I. Physical, cognitive, psychomotor, affective, and social abilities are required in unique combinations to provide safe and effective nursing care. The applicant/student must be able to meet the essential functions with or without reasonable accommodations throughout the program of learning. Admission, progression, and graduation are contingent upon one's ability to demonstrate the essential functions delineated for the nursing program with or without reasonable accommodations. The nursing program

and/or its affiliated clinical agencies may identify additional essential functions. The nursing program reserve the right to amend the essential functions as deemed necessary.

In order to be admitted and to progress in the nursing program one must possess a functional level of ability to perform the duties required of a nurse. Admission or progression may be denied if a student is unable to demonstrate the essential functions with or without reasonable accommodations.

The essential functions delineated are those deemed necessary by the Alabama Community College System nursing programs. No representation regarding industrial standards is implied. Similarly, any reasonable accommodations made will be determined and applied to the nursing program and may vary from reasonable accommodations made by health care employers.

The essential functions delineated below are necessary for nursing program admission, progression, and graduation and for the provision of safe and effective nursing care. The essential functions include, but are not limited to the ability to:

a. Sensory Perception
- **1.** Visual
  - **i.** Observe and discern subtle changes in physical conditions and the environment
  - **ii.** Visualize different color spectrums and color changes
  - **iii.** Read fine print in varying levels of light
  - **iv.** Read for prolonged periods of time
  - **v.** Read cursive writing
  - **vi.** Read at varying distances
  - **vii.** Read data/information displayed on monitors/equipment
- **2.** Auditory
  - **i.** Interpret monitoring devices
  - **ii.** Distinguish muffled sounds heard through a stethoscope
  - **iii.** Hear and discriminate high and low frequency sounds produced by the body and the environment
  - **iv.** Effectively hear to communicate with others

3. Tactile
   i. Discern tremors, vibrations, pulses, textures, temperature, shapes, size, location, and other physical characteristics

4. Olfactory
   i. Detect body odors and odors in the environment

b. Communication/Interpersonal Relationships

1. Verbally and in writing, engage in a two-way communication and interact effectively with others, from a variety of social, emotional, cultural, and intellectual backgrounds

2. Work effectively in groups

3. Work effectively independently

4. Discern and interpret nonverbal communication
5. Express one's ideas and feelings clearly

6. Communicate with others accurately in a timely manner

7. Obtain communications from a computer

c. Cognitive/Critical Thinking
1. Effectively read, write, and comprehend the English language

2. Consistently and dependably engage in the process of critical thinking in order to formulate and implement safe and ethical nursing decisions in a variety of health care settings

3. Demonstrate satisfactory performance on written examinations including mathematical computations without a calculator

4. Satisfactorily achieve the program objectives

d. Motor Function
1. Handle small delicate equipment/objects without extraneous movement, contamination, or destruction

2. Move, position, turn, transfer, assist with lifting, or lift or carry clients without injury to clients, self, or others

3. Maintain balance from any position

4. Stand on both legs

5. Coordinate hand/eye movements

6. Push/pull heavy objects without injury to client, self, or others

7. Stand, bend, walk, and/or sit for 6-12 hours in a clinical setting performing physical activities requiring energy without jeopardizing the safety of the client, self, or others

8. Walk without a cane, walker, or crutches

9. Function with hands free for nursing care and transporting items

10. Transport self and client without the use of electrical devices

11. Flex, abduct, and rotate all joints freely

12. Respond rapidly to emergency situations

13. Maneuver in small areas

14. Perform daily care functions for the client

15. Coordinate fine and gross motor hand movements to provide safe effective nursing care

16. Calibrate/use equipment

17. Execute movement required to provide nursing care in all health care settings

18. Perform CPR and physical assessment

19. Operate a computer

e. Professional Behavior

1. Convey caring, respect, sensitivity, tact, compassion, empathy, tolerance, and a healthy attitude toward others

2. Demonstrate a mentally healthy attitude that is age appropriate in relationship to the client

3. Handle multiple tasks concurrently

4. Perform safe, effective nursing care for clients in a caring context

5. Understand and follow the policies and procedures of the College and clinical agencies

6. Understand the consequences of violating the student code of conduct

7. Understand that posing a direct threat to others is unacceptable and subjects one to discipline

8. Meet qualifications for licensure by examination as stipulated by the Alabama Board of Nursing

9. Not to pose a threat to self or others

10. Function effectively in situations of uncertainty and stress inherent in providing nursing care

11. Adapt to changing environments and situations

12. Remain free of chemical dependency

13. Report promptly to clinicals and remain for 6-12 hours on the clinical unit

14. Provide nursing care in an appropriate time frame

15. Accept responsibility, accountability, and ownership of one's actions

16. Seek supervision/consultation in a timely manner

17. Examine and modify one's own behavior when it interferes with nursing care or learning

Upon admission, an individual who discloses a disability can request reasonable accommodations. Individuals will be asked to provide documentation of the disability in order to assist with the provision of appropriate reasonable accommodations. The College will provide reasonable accommodations, but is not required to substantially alter the requirements or nature of the program or provide accommodations that inflict an undue burden on the College. In order to be admitted one must be able to perform all of the essential functions with or without reasonable accommodations. If an individual's health changes during the program of learning, so that the essential functions cannot be met with or without reasonable accommodations, the student will be withdrawn from the nursing program. The nursing faculty reserves the right at any time to require an additional medical examination at the student's expense in order to assist with the evaluation of the student's ability to perform the essential functions.

Request for reasonable accommodations should be directed to Coordinators of ADA. The ADA Coordinator for the Alexander City campus is Tiffanie Character, who may be reached at

256/215-4269, and the ADA Coordinator for the Childersburg campus and the Talladega Center is Leslie Mitchell who may be reached at 256/378-2003.

II. Students should notify the Associate Dean of Health Science/designee of any significant changes in health, including pregnancy. The nursing faculty reserves the right at any time to require an additional medical examination at the student's expense in order to evaluate the student's ability to perform the nursing program essential functions.

III. The 1993 Alabama Infected Health Care Worker Management Act mandates that any health care worker infected with HIV or hepatitis B virus who performs an invasive procedure or any physician caring for an infected HIV or HBV health care worker notify the State Health Officer of the infection. An invasive procedure is defined by the Act as those medical or surgical procedures characterized by the digital palpation of a needle tip in a body cavity or by the simultaneous presence of the health care worker's fingers and a needle or other sharp instrument or object in a poorly visualized or highly confined anatomic site.

IV. Maintain current health insurance and current nursing student liability insurance.

V. Submit completed medical forms~~,~~ with required immunizations including Hepatitis B~~,~~ by the required date.

VI. Abide by the policies, procedures, regulations, and guidelines set forth by the College, Division of Nursing, and affiliated clinical agencies.

VII. Students in the nursing program are required to participate in clinical experiences at affiliated health care agencies. **Students will be required to undergo drug and alcohol testing prior to clinicals and for "cause". Students will be responsible for the cost of such testing. Students will be required to undergo a criminal background check prior to clinicals. As with the drug and alcohol testing, the student will be responsible for the cost of the criminal background check. Any student denied clinical access by a clinical affiliate will be subject to dismissal from the program.**

VIII. During clinical experiences in the affiliated health care agencies, students must abide by the same policies, procedures, regulations, and guidelines as employees of those agencies. These policies, procedures, regulations, and guidelines are in addition to those of Central Alabama Community College and the Division of Nursing. Students are responsible for providing their own transportation to clinical agencies.

IX. Maintain current American Hospital Association certification in cardiopulmonary resuscitation at the health care provider level. Students are responsible for obtaining and maintaining CPR certification at the health care provider level. Certification must be current and verified by the presentation of a CPR card. **Online CPR certifications are not accepted.**

X. Abide by the regulations set forth in the Health Insurance Portability and Accountability Act of 1996 (HIPAA) to maintain and safeguard the privacy, security, and confidentiality

of protected health information. Students violating HIPAA will be subject to dismissal from the program.

XI. Refrain from conduct that violates the Administrative Code of the Alabama Board of Nursing. Students should refer to the Alabama Board of Nursing website www.abn.state.al.us for "Grounds for Denial of a License". Failure to comply with the Administrative Code of the Alabama Board of Nursing may constitute grounds for dismissal from the nursing program with a grade of "F" for any nursing course(s) in which the student is enrolled at the time of the noncompliance regardless of one's academic standing. The Alabama Board of Nursing reviews all candidates for their eligibility for initial and continuing licensure including questions regarding one's past history with regard to criminal history, substance use, physical or mental health, discipline or investigations of other licenses or professions, and military discharge.

a. Application to write the examination may be denied the applicant on the basis of the review and on the basis of the applicant's answers to the questions, even though one has successfully completed the nursing program. The completion of the academic program in no way assures the student of licensure. These regulations refer specifically to Alabama; however, other states have similar stipulations regarding licensure.

XII. Students enrolled in the nursing program will be required to purchase selected standardized assessment/achievement resources which are utilized throughout the nursing program.

XIII. Student enrolled in the nursing program will be subject to certain dress code requirements: These requirements will be explained to students upon entry into the program.

XIV. Comply with all progression requirements in order to graduate from the nursing program.

XV. **Applicants admitted to the nursing program and students reinstated that are not in continuous progression will be required to attend nursing orientation. Failure to attend all of the orientation will subject the student to withdrawal from the program. Orientation is typically held one to two weeks prior to the beginning of each term.**

XVI. **Students enrolled in the nursing program must have access to a computer.**

FACILITIES

The nursing program on the Childersburg campus is housed in the Jim Preuitt Nursing and Allied Health Building. Instructional facilities include a large lecture hall, a conference room, one classroom, a nursing skills laboratory, a nursing simulation lab, and a computer lab. A

classroom, a nursing skills laboratory, and a computer lab comprise the nursing instructional facilities on the Alexander City campus. General education courses are offered on the Alexander City and Childersburg campuses, as well as, at the Talladega Center and online.

CLINICAL FACILITIES

In addition to campus laboratory and simulation facilities, various agencies are utilized to provide nursing students with opportunities to acquire the knowledge and skills necessary to function as nurses. Currently, the Division of Nursing and Allied Health utilizes the following health care settings for clinical: Coosa Valley Medical Center, Sylacauga; Sylacauga Health and Rehabilitation, Sylacauga; Hill Crest Hospital, Birmingham; Grandview Medical Center, Birmingham; Russell Medical Center, Alexander City; Bill Nichols State Veteran's Home, Alexander City; Northeast Alabama Regional Medical Center, Anniston; Talladega Health Care, Talladega; Alabama Department of Public Health, Sylacauga; The Learning Tree, Tallassee; various school systems; and other facilities used to provide preceptorship.

Transportation to clinical facilities is the responsibility of the student. Students are subject to assignment and rotation through any or all of the clinical facilities. Request for placement at specific clinical agencies are not accepted. Clinical agencies may be added or deleted as deemed necessary.

ADMISSION PROCEDURES AND CRITERIA

Applicants who wish to pursue a nursing career, should first complete the application and admission procedures required by the College, and then contact an academic advisor to develop a plan to meet the admission requirements for the nursing program. An ACT composite score of 18 is required for admission to the nursing program. Information regarding registering for the ACT is located under Enrollment on the toolbar on the College's website (www.cacc.edu).

Prior to applying for admission to the nursing program, the student may enroll in the general education courses delineated within the nursing curriculum. If the student has numerous family or work commitments, has been away from the academic setting for an extended period of time, or has a weak academic background, the student is encouraged to enroll in general education courses before attempting to enter the nursing program. General education courses cannot be postponed later than the term specified in the outlined curriculum. The nursing program is planned as a combined sequence of nursing and general education courses and students may take all the required general education courses once admitted to the nursing program. Prior credit for general education courses does not shorten the length of the nursing curriculum due to the required sequencing of nursing courses.

Applicants who have been treated for chemical dependency or mental disorders or who have been convicted of a criminal offense, including driving under the influence of drugs or alcohol, may contact the Board of Nursing (www.abn.state.al.us) for additional information. According

to legal statues and regulations of the Alabama Board of Nursing, individuals that violate the Administrative Code of the Alabama Board of Nursing may be denied a license.

Applicants are admitted to the nursing program annually in the fall on the Childersburg and Alexander City Campuses. LPN to RN Mobility students are admitted in the summer or fall depending on whether or not the LPN has to take NUR 209. Applicants should consult an academic advisor well ahead of the date they plan to apply for admission to the nursing program to allow time to meet the admission requirements.

The admission procedures and criteria are subject to revisions at the state level. Any revised admission procedures and criteria will be available on the College website (www.cacc.edu). All applicants are advised to regularly check the College website for any updates to the admission procedures and criteria.

Requirements for Application to the Nursing Program

Applicants to the nursing program must be admitted to Central Alabama Community College and must submit the "Application to Nursing Program" by the required date as delineated below. Admission to the College does not imply admission to the nursing program. A complete admission file must include:

I. Application for admission to Central Alabama Community College.

II. Appropriate Application for admission to the nursing program.

III. Official high school transcript or GED certificate.

IV. Official transcripts from all colleges attended.

V. Official ACT composite score.

VI. Letter of good standing if applicant has previously been enrolled in a nursing program at another institution.

VII. Additional documents as needed to meet minimal requirements below.

Minimum admission requirements for the Nursing program include:

I. Unconditional admission to the College

II. Receipt of completed application for the Nursing program before published deadline; deadline April 1st, or first official College work day, thereafter for deadlines falling on weekend or College recognized holiday

III. A minimum of 18 ACT composite score National or Residual

IV. A minimum of 2.5 GPA on a 4-point scale for nursing required academic core courses and a minimum 2.0 cumulative GPA at current, native institution or cumulative 2.0 GPA at institution from which student is transferring. Only grades accrued at regionally accredited postsecondary institutions will be considered in the GPA calculated for consideration of admission to the nursing program.

V. A minimum of 2.5 (without rounding) high school GPA on a 4-point scale for students without prior college work (GED will be used if applicable).

VI. Meet the essential functions for nursing

VII. Eligible for ENG 101, BIO 201 and MTH 110

Admission to the Nursing Program is competitive, and the number of students accepted is limited. <u>Meeting minimal requirements does not guarantee acceptance.</u>

Calculation of Points for Applicants Meeting Minimum Admission Standards:
<u>After meeting all minimum requirements</u>, applicants are rank-ordered using a point system based on:

1. ACT score. Possible of 36 points with no time limit on when the test was taken.

2. Points from the nursing required college courses (ENG 101, MTH 110 or higher, BIO 201, and BIO 202) 12 points possible. Points for grades are delineated below:
    - A=3 points
    - B=2 points
    - C=1 point
    - CLEP=2 points

3. Possible ten additional points awarded for courses successfully completed at Central Alabama Community College as delineated below:
    - Completion of MTH 110 or higher, BIO 201, ENG 101, PSY 210, and BIO 202--five points
    - Completion of MTH 110 or higher, BIO 201, ENG 101, PSY 210, BIO 202, SPH 106 or 107, BIO 220, and Humanities elective-ten points

A total of 58 points are possible with these selection criteria.

Selection and Notification

I. The selection and notification policies reflect the philosophy of the nursing program. The selection policies provide for equal consideration of all applicants and for protection against discrimination as to age, sex, race, color, creed, religion, marital status, national origin, veteran's status, or disability unrelated to nursing program essential functions.

II. Applicants who have met all admission requirements and completed the admission procedure by the deadlines are eligible to be considered for admission. **Documents received after the deadline will not be accepted.**

III. Due to limited enrollment, all applicants who meet the minimal admission criteria may not be admitted.

IV. Applicants with incomplete files will be notified regarding the deficiencies prior to the application deadline, if the application is received early enough to provide such notification. **It is the applicant's responsibility to ensure his/her file is complete.**

V. Applicants who have been notified of their selection for admission must acknowledge intent to enter the program by the specified date.

VI. Applicants who do not respond as prescribed above will forfeit their place in the class and will have to request admission for the next class if they desire to be admitted. All vacancies in a new class will be filled by qualified applicants who have met the admission requirements. Individuals admitted/reinstated that do not attend the semester for which they are admitted/reinstated will have to reapply for admission/reinstatement in order to be considered for the next admission/reinstatement semester. Applicants are responsible for insuring that all transcripts are current and up-to-date. Official transcripts that are not current and up-to-date will render the applicant's file incomplete. Admission/reinstatement to one semester does not guarantee admission/reinstatement into future semesters.

VII. Upon admission and by the dates specified by the Division of Nursing, students must:

a. Submit a change of major to Student Services

b. Pay required annual premiums for nursing student liability insurance.

c. Submit annual medical examination forms, which evidence a satisfactory level of health, including freedom from chemical dependency. Agreements with affiliated clinical agencies require that students be free of communicable diseases and be able to provide nursing care for clients.

d. **Students will be required to undergo drug and alcohol testing prior to clinicals and for "cause". Students will be responsible for the cost of such testing. Students will be required to undergo a criminal background check prior to clinicals. As with the drug and alcohol testing, the student will be responsible for the cost of the criminal background check. Any student denied clinical access by a clinical affiliate will be subject to dismissal from the program.**

e. Submit evidence of hospitalization insurance. Neither the College nor affiliated clinical agencies provide health care for students. Certain affiliated clinical agencies

require students to have hospital insurance before participating in clinical learning experiences at the agency.

f. Pay required fees for standardized assessment/achievement resources.

g. Submit evidence of American Heart Association CPR certification at the health care provider level. Online CPR certification is not accepted.

VIII. Applicants admitted to the nursing program and students reinstated that are not in continuous progression will be required to attend nursing orientation. Failure to attend all of the orientation will subject the student to withdrawal from the program.

PROGRESSION POLICY

In order to progress in the nursing program, the student must:

- Achieve a grade of "C" or better in all required general education and nursing courses.
  A student that has an unsuccessful attempt in a nursing course ("W", "D", or "F") cannot progress until the course is completed successfully. Unless previously completed, students must complete all required general education courses according to the Alabama Community College System Nursing Education curriculum. Exceptions must be approved by the Associate Dean of Health Science

- Be acceptable by clinical agencies for clinical experiences.

- Maintain the ability to meet essential functions for nursing with or without reasonable accommodations.

- Maintain program health requirements including health insurance

- Maintain American Heart Association CPR certification at the health care provider level. Online CPR certification is not accepted.

A total of **two** unsuccessful attempts in **two** separate semesters (D, F, or W) in the nursing program will result in dismissal from the program.

REINSTATEMENT POLICY

Student who have a withdrawal or failure in a nursing course and are eligible to return to that course will be considered for reinstatement to the program.

Reinstatement to the nursing program is not guaranteed. Selection for reinstatement is based on the Criteria for Reinstatement delineated below. Students must adhere to nursing curriculum and program policies and procedures in effect at the time of reinstatement. Reinstatement can be denied due to, but not limited to, any of the following circumstances:

I. Unavailability of faculty and clinical sites;

II. Failure to meet the Criteria for Reinstatement

Student not eligible for program reinstatement may apply for program admission as a new student and must submit all admission criteria. If accepted as a new student, the student must take or retake all nursing program courses.

Criteria for Reinstatement:

I. Students who experience non- progression through the nursing program and who desire reinstatement in the program, must apply for reinstatement to the program. A student must request reinstatement within one year from the term of non-progression to be eligible for reinstatement. Students dismissed from the program for disciplinary reasons and/or unsafe client care in the clinical area will not be allowed reinstatement to the nursing program.

II. A student may be **reinstated** to the nursing program only one time. The **reinstatement** is not guaranteed. All nursing program admission standards must be met.

III. If a student has a documented extenuating circumstance that should be considered related to a withdrawal or failure, then this student may request a hearing before the nursing faculty committee or other appropriate College committee for a decision on repeating a course or readmission to the program.

IV. A student must have a 2.0 cumulative GPA at the current institution for reinstatement.

V. Student has had no more than one non-progression since program admission. Reinstatement to the program will only be allowed one time.

VI. Demonstrate satisfactory nursing skills.

VII. Meet acceptability criteria for placement at clinical agencies for clinical experiences.

VIII. Demonstrate ability to meet essential functions for nursing with or without reasonable accommodations.

IX. Demonstrate current American Heart Association CPR certification at the health care provider level. Online CPR certification is not acceptable.

X. Maintain program health requirements including health insurance

XI. Orientation is required for students seeking reinstatement who are not in continuous progression prior to registration for nursing courses.

XII. Students whose second unsuccessful attempt occurs in NUR 211 or 221 may apply for the LPN to RN Mobility option. These students must meet all the admission requirements for the LPN to RN Mobility option including a 2.5 GPA on the general education courses inherent to the nursing curriculum; 2.0 cumulative GPA at current, native institution; and a valid Alabama Practical Nursing License.

Process for Reinstatement:

I. Students should contact the Division of Nursing to discuss eligibility for reinstatement.

II. Students must apply for reinstatement to the nursing program within one year from the term of non-progression by submitting the Nursing Program Reinstatement Application and updated admission criteria if applicable. The deadline for submitting the Nursing Program Reinstatement Application for the fall semester is June 1st, spring semester is October 1st, and summer term is March 1st.

III. Students must apply for **readmission** to the College, if not currently enrolled, and provide updated transcripts, if applicable.

IV. Update applicable Nursing Program Requirements including health requirements, immunizations, CPR, and drug and background screening.

TRANSFER POLICY

Transfer students are considered for admission into the nursing program on an individual basis by the Division of Nursing. If the student desires to transfer between Alabama Community College System institutions, the Alabama Community College System Standardized Nursing Curriculum courses will be transferred without review of the course syllabus. Nursing courses from any other institution will be reviewed for transferability by the Associate Dean of Health Science.

Individuals wishing to transfer must:

I. Meet minimum admission standards for the nursing program. The deadline for submitting the Nursing Program Transfer Application for the fall semester is June 1st, spring semester is October 1st, and summer term is March 1st.

II. Possess a grade of "C" or better in all nursing program required courses taken at another institution and possess a minimum of 2.0 cumulative GPA at time of transfer.

III. Be a student in good standing and eligible to return to the previous nursing program. The Dean/Director of the previous nursing program must provide a letter of eligibility for progression in the previous nursing program.

IV. Comply with all program policy requirements at accepting institution.

V. Complete at least 25% of the nursing program required courses for the degree/certificate at Central Alabama Community College.

VI. Meet acceptability criteria for placement at clinical agencies for clinical experience.

Acceptance of transfer students into the nursing program is limited by the number of faculty and clinical facilities available. **Meeting minimal requirements does not guarantee acceptance**.

No new class or clinical sections will ordinarily be opened for transfer students. First priority for available places goes to students in regular progression in the College's nursing program.

Graduates of Central Alabama earn credits, which are transferrable to four-year colleges and universities. The nursing program provides a foundation for further study in nursing. Four-year colleges and universities determine which credits will be transferred from two-year programs. Academic Advisors are available to assist students who plan to continue their education after graduation. Students should also consult their chosen four-year college or university about specific four-year degree requirements and transfer of credits.

Students completing NUR 112, 113, 114, and 115 at an institution that only offers the PN program who wish to transfer to another institution to complete the Associate in Applied Science Degree must meet the requirement for 25% course completion at the college awarding the degree. Students who cannot meet the 25% course requirement must apply to the LPN to RN Mobility option and take the transition course to meet the 25 % course requirement.

TRANSIENT STUDENT POLICY

In addition to any applicable College policies regarding transient students, a nursing student desiring to be transient student must:

1. Meet minimum admission standards for the nursing program.

2. Possess a grade of "C" or better in all nursing program required courses taken at another institution and possess a minimum of 2.0 cumulative GPA.

3. Provide a letter of eligibility from the Dean/Director of the previous nursing program for progression in the previous nursing program.

4. Secure permission from the primary institution by submitting a Transient Student Form completed by an official of the primary institution.

5. Complete a Transcript Request Form at the end of the term before a transcript will be issued to the primary institution.

6. Comply with all nursing program policy requirements at the accepting institution.

7. Meet acceptability criteria for placement at clinical agencies for clinical experience.

Acceptance of transient students into the nursing program is limited by the number of faculty and clinical sites available. Meeting minimal standards does not guarantee acceptance.

PROGRAM COMPLETION

Students completing NUR 112, 113, 114, and 115 and the required academic courses for the first three semesters will be awarded the Practical Nursing certificate. Students who have completed all the required academic courses and continue in the program through completion of NUR 211 and NUR 221 will be awarded an Associate Degree in Applied Science. Students are responsible for meeting all the progression and graduation requirements.

EVALUATION

Within any given course, the grading policy shall be determined by the instructors. The grading policy shall be presented at the beginning of the term and will govern the evaluation process.

A student's progress through the nursing curriculum is evaluated utilizing a variety of methods of evaluation including, but not limited to, examinations, clinical performance evaluations, assignments, and standardized assessments/achievement examinations.

Clinical evaluations will be determined on a satisfactory/unsatisfactory performance rating scale. Clinical evaluations are based upon the student's performance of nursing care and correlated nursing written assignments. An unsatisfactory clinical evaluation will result in a grade of "F" for the nursing course regardless of the theory grade for the course.

Any student involved in an incident such as, but not limited to, unsatisfactory clinical performance; a proven form of academic dishonesty, for example blatant plagiarism; etc. will receive the grade of "F" in the course where the incident occurred. The "F" will be assigned in the instructor's grade book/grade sheet on the day the incident occurred, but will not be posted until the end of the semester to the student's transcript. The student will not be allowed to withdraw anytime after the incident even if the incident occurs prior to the College's published withdrawal date. This policy supersedes the College's withdrawal policy if such an incident occurs. A student assigned a failing grade by an instructor in the aforementioned circumstances may appeal the instructor's decision by following the Student Grievance Policy.

The following grading scale is used for the theory portion of nursing courses taught at Central Alabama Community College:

A	90- 100
B	80 - 89
C	75 - 79
D	60 - 74
F	59 and below
I	Incomplete
W	Withdrawal

No rounding of test scores is done (ex. 78.6 is 78.6). Only the final course grade is rounded; 0.5 or higher is raised to the next whole number.

A grade of "C" is required in every course within the nursing curriculum in order to progress through the nursing program. In order to pass a nursing course, the student must achieve a grade of "C" or better in theory and must have a satisfactory clinical evaluation.

CLINICAL REQUIREMENTS

Students must abide by the policies and procedures of the agencies that Central Alabama Community College is affiliated with for the provision of clinical experiences in order to meet the student learning outcomes. **Students will be required to undergo drug and alcohol testing prior to clinical and for "cause". Students will be responsible for the cost of such testing. Students will be required to undergo a criminal background check prior to clinicals. As with the drug and alcohol testing, the student will be responsible for the cost of the criminal background check. Any student denied clinical access by a clinical affiliate will be subject to dismissal from the program. Failure to meet course objectives results in a grade of "F" for the course.**

Students provide their own transportation to the assigned clinical agencies. A student who rides with another to the assigned clinical agencies is to provide his/her own liability insurance.

Clinicals may be held during the day, evening, night and/or weekend.

Prior to participation in clinical learning experiences within the affiliated agencies, the student must present verification of satisfactory mental and physical health, liability and health insurance, and American Heart Association CPR certification at the health care provider level in addition to the aforementioned requirements. No student will be allowed to participate in clinical learning experiences until the requirements have been fulfilled.

Students have a responsibility to provide care to all the patients assigned to them, including AIDS patients. Refusal to care for any patient will subject the student to dismissal from the program. However, neither Central Alabama Community College nor any member of the Division of Nursing is responsible for any infectious disease or teratogenic effects that a student may contract.

AUDITING COURSES

Nursing courses are not open to auditors.

NURSING

The Nursing Program supports the mission of the College. The Division of Nursing offers two points of exit within the nursing program.

After successful completion of the third semester of the nursing curriculum, the student is awarded a certificate in practical nursing. Graduates of the practical nursing program may be eligible to take the National Council Licensure Examination for Practical Nurses. After successful completion of the practical nursing program and the licensure examination, the graduate is prepared for entry-level employment in a variety of health care settings. The PN program is approved by the Alabama Board of Nursing.

After successful completion of the five semesters of the nursing curriculum, the graduate is awarded an Associate in Applied Science-Associate Degree Nursing. Graduates of the associate degree program may be eligible to take the National Council Licensure Examination for Registered Nurses. After successful completion of the associate degree nursing program and the licensure examination, the graduate is prepared for entry-level employment in a variety of health care settings. The Associate Degree Nursing Program is accredited by the Accreditation Commission for Education in Nursing (3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, 404-975-5000, www.acenursing.org) and approved by the Alabama Board of Nursing.

The Associate Dean of Health Science and the nursing faculty have the responsibility for administering and evaluating the Nursing Program according to policies and guidelines established by the Division of Nursing, Central Alabama Community College, the Alabama Community College System, Southern Association of Colleges and Schools Commission on Colleges, the Alabama Board of Nursing, and the Accreditation Commission for Education in Nursing.

ACCS One Plus One Curriculum **SEMESTER HOURS**

Required Nursing Courses for the Practical Nursing Certificate 25
Required General Education Courses for the Practical Nursing Certificate 20
Total Credit Hours Required for the Practical Nursing Certificate 45
The Practical Nursing certificate is awarded after successful completion of the third term of the nursing curriculum.

Required Nursing Courses for the Associate in Applied Science Degree 39
Required General Education Courses for the Associate in Applied Science Degree 27
Total Credit Hours Required for the Associate in Applied Science Degree 66
The Associate in Applied Science Degree is awarded after successful completion of the fifth term of the nursing curriculum.

FIRST TERM
BIO 201 Human Anatomy and Physiology I 4
MTH 110 Finite Mathematics or higher level 3
NUR 112 Fundamental Concepts of Nursing 7

SECOND TERM
BIO 202 Human Anatomy and Physiology II 4
ENG 101 English Composition I 3
NUR 113 Nursing Concepts I 8
PSY 210 Human Growth and Development 3

THIRD TERM .....
NUR 114 Nursing Concepts II 8
NUR 115 Evidenced Based Clinical Reasoning 2
SPH 106 Fundamentals of Oral Communication **OR**
SPH 107 Fundamentals of Public Speaking 3

FOURTH TERM
NUR 211 Advanced Nursing Concepts 7
BIO 220 General Microbiology 4

FIFTH TERM .....
Humanities & Fine Arts Elective ** (Ethics (PHL 206) Preferred) 3
NUR 221 Advanced Evidenced Based Clinical Reasoning 7

** Introductory foreign language courses cannot be utilized as the only Humanities and Fine Arts elective

The Nursing program requirements and curriculum are subject to modification to meet the requirements of the College, state, or national approval/accrediting agencies.

LPN to RN MOBILITY OPTION

The LPN to RN Mobility option provides opportunities for Licensed Practical Nurses to obtain an Associate in Applied Science Degree. Upon completion of the LPN to RN Mobility Program, the graduate may be eligible to take the National Council Licensure Examination for Registered Nurses.

Once applicants are admitted into NUR 211, the program may be completed in two semesters. Having prior credit for all the general education courses does not shorten the length of the curriculum due to the required sequencing of nursing courses.

Based upon faculty and clinical site availability, Licensed Practical Nurses may be admitted to the LPN to RN Mobility option if all requirements for admission have been met. Students accepted into the mobility option will enter the existing cohort and have class with the generic nursing students. The same policies
and procedures will be effective for all nursing students. (Refer to previous information contained with the Nursing Program section of the Catalog)

NUR 209 is a prerequisite to the program unless the applicant graduated from the Alabama Community College System One Plus One Curriculum within the last two years. Those students requiring NUR 209 will begin in the summer term; all others will begin in the fall term. NUR 209 will be offered only if funding and a sufficient number of qualified applicants are available.

ADMISSION REQUIREMENTS FOR THE LPN TO RN MOBILITY OPTION
Requirements for admission into the LPN to RN Mobility option are as follows:

I. Completion of all the admission requirements delineated for the nursing students by April 1st or first official college work day, thereafter for deadlines falling on weekend or College recognized holiday.

II. Submission of verification of an unencumbered Alabama LPN license (licensure by waiver not accepted)

III. Official transcript documenting graduation from an approved practical nursing program.

IV. Completion of the prerequisite courses (BIO 201, BIO 202, ENG 101, MTH110, PSY 210, SPH 106 or 107) with grades of "C" or better.

Licensed Practical Nurses who meet the criteria for admission can enter the Associate Degree Nursing Program at Central Alabama Community College as a part of the generic program or as part of the LPN to RN Mobility Option. If a LPN enters the generic program and then decides to opt for the LPN to RN Mobility program, the student must successfully complete the nursing course(s) enrolled in or withdraw passing from the nursing course(s) in order to be eligible to enter the LPN to RN Mobility option. A LPN who is unsuccessful in a generic nursing course(s)

will not be eligible to enter the LPN to RN Mobility option until successful completion of the nursing course(s) occurs.

LPN TO RN MOBILITY PROGRESSION REQUIREMENTS

LPN to RN Mobility students are subject to the same progression requirements as students enrolled in the generic curriculum. Refer to the previous section on Progression Policy.

LPN TO RN MOBILITY		**SEMESTER HOURS**
Required Nursing Courses		14-24
Required General Education Courses		27

PREREQUISITE COURSES

BIO 201	Human Anatomy and Physiology I	4
BIO 202	Human Anatomy and Physiology II	4
ENG 101	English Composition I	3
MTH 110	Finite Mathematics or higher level	3
PSY 210	Human Growth and Development	3
SPH 106	Fund.of Oral Communication **OR** SPH 107 (Fund of Public Speaking)	3

FIRST TERM

NUR 209**	Concepts for Healthcare Transition Students	10

SECOND TERM

BIO 220	General Microbiology	4
NUR 211	Advanced Nursing Concepts	7

THIRD TERM

Humanities & Fine Arts Elective *** (Ethics (PHL 206) Preferred)		3
NUR 221	Advanced Evidence Based Clinical Reasoning	7

Total Credit Hours in the Associate in Applied Science Associate Degree Nursing LPN to RN Mobility Option..... 41-51

**NUR 209 is a prerequisite to the program unless the applicant graduated from the Alabama College System one plus one curriculum within the last two years.

***Introductory foreign language courses cannot be utilized as the only Humanities and Fine Arts elective

The LPN to RN Mobility option requirements and curriculum are subject to modifications to meet the requirements of the College, state, or national approval/accrediting agencies.

COURSE DESCRIPTIONS

COURSE ABBREVIATIONS

The following are the official catalog course abbreviations used by Central Alabama Community College.

ANT - Anthropology

ART - Art

ASL - American Sign Language

AST - Astronomy

AUT - Automotive Manufacturing Technology

BIO - Biology

BUS - Business

CHD - Child Development

CHM - Chemistry

CIS - Computer Science

CNC - Computerized Numerical Control

COS - Cosmetology

CRJ - Criminal Justice

DDT - Drafting and Design Technology

DNC - Dance

ECO - Economics

EMS - Emergency Medical Technology

ENG - English

GEO - Geography

HED - Health Education

HIS - History

HIT - Health Information Technology

HUM - Humanities

IDS - Interdisciplinary Studies

ILT - Industrial Electronics Technology

INT - Industrial Maintenance Technology

MCM - Mass Communication

MSP - Machine Shop Technology

MTH - Mathematics

MUL - Music Ensemble

MUS - Music

NAS - Nursing Assistant

NUR - Nursing

OAD - Office Administration

ORI - Orientation

PED - Physical Education

PHL - Philosophy

PHS - Physical Science

PHY - Physics

POL - Political Science

PSY - Psychology

RDG - Reading

REL - Religion

SOC - Sociology

SPA - Spanish

SPH - Speech

THR - Theater Arts

WDT - Welding

WKO - Workplace Skills Enhancement

DESCRIPTIONS

Course numbered 001-099 are institutional credit courses. These courses are not designed to transfer and do not count toward graduation. Courses numbered 100 through 199 are primarily for freshmen; courses numbered 200 through 299 are primarily for sophomores. Courses requiring no prerequisites are open to all students regardless of the catalog number.

The Alabama College System Course Directory lists common course names, numbers, and descriptions used by all of the Alabama's two-year colleges. Courses, which satisfy Areas I-IV of the general studies curriculum at all public Alabama colleges and universities as part of the Alabama General Studies Curriculum (AGSC), are indicated with the appropriate Area notation. Other courses, which may transfer and may meet requirements for articulated programs have the following codes:

- ***Code A*** – AGSC-approved transfer courses in Areas I- IV that are common to all institutions.

- ***Code B*** – Area V that are deemed appropriate to the degree and pre-major requirements of individual students.

- ***Code C*** – Potential Area V transfer courses that are subject to approval by respective receiving institutions.

The College reserves the right to withdraw any course for which the demand is insufficient. The term "credit" indicates the number of semester hours' credit granted upon the successful completion of a course.

Prerequisites or co-requisite requirements of courses are listed with the course description in the catalog. It is the responsibility of the student to know these requirements and follow them when registering. The Dean of Instruction or the appropriate Associate Dean must approve any waiver of these requirements.

A complete list of the courses being offered is published each semester/term.

ANT - ANTHROPOLOGY

ANT 200 Introduction to Anthropology: 3 credits
Prerequisite: None
This course is a survey of physical, social and cultural development, and behavior of human beings. Code A

ART - ART

ART 100 Art Appreciation: 3 credits
Prerequisite: None
This course is designed to help the student find personal meaning in works of art and develop a better understanding of the nature and validity of art. Emphasis is on the diversity of form and content in original art work. Upon completion, students should understand the fundamentals of art, the materials used and have a basic overview of the history of art. Code A

ART 113 Drawing I: 3 credits
Prerequisite: None
This course provides the opportunity to develop perceptional and technical skills in a variety of media. Emphasis is placed on communication through experimenting with composition, subject matter and technique. Upon completion, students should demonstrate and apply the fundamentals of art to various creative drawing projects. Code B

ART 114 Drawing II: 3 credits
Prerequisite: ART 113
This course advances the students drawing skills in various art media. Emphasis is placed on communication through experimentation, composition, technique and personal expression. Upon completion, students should demonstrate creative drawing skills, the application of the fundamentals of art, and the communication of personal thoughts and feelings. Code B

ART 203 Art History I: 3 credits
Prerequisite: None
This course covers the chronological development of different forms of art, such as sculpture, painting, and architecture. Emphasis is placed on history from the ancient period through the Renaissance. Upon completion, students should be able to communicate a knowledge of time period and chronological sequence including a knowledge of themes, styles and of the impact of society on the arts. Code A

ART 204 Art History II: 3 credits
Prerequisite: None.
This course covers a study of the chronological development of different forms of art, such as sculpture, painting and architecture. Emphasis is placed on history from the Baroque to the present. Upon completion, students should be able to communicate a knowledge of time period

and Chronological sequence including a knowledge of themes, styles and of the impact of society on the arts. Code A

ART 291 Supervised Study in Studio Art I: 1-4 credits
Prerequisite: None
This course is designed to enable the student to continue studio experiences in greater depth. Topics are to be chosen by the student with the approval of the instructor. Upon completion the student should have a greater expertise in a particular area of art. Code C

ART 292 Supervised Study In Studio Art II: 1-4 credits
Prerequisite: ART 291
This course is designed to enable the student to continue studio experiences in greater depth. Topics are to chosen by the student with the approval of the instructor. Upon completion the student should have greater expertise in a particular area of art. Code C

ASL – AMERICAN SIGN LANGUAGE

ASL 101 American Sign Language I: 3 credits
Prerequisite: None
This course is an introduction to American Sign Language. Students will learn the basis of nonverbal communication skills as a foundation for learning American Sign Language. Upon course completion, students should be able to introduce themselves, exchange personal information, talk about one's family activities, give directions, and describe others utilizing sign language. Code C

ASL 102 American Sign Language II: 3 credits
Prerequisite: ASL 101
This course is part two of a five part sequence and allows students the opportunity to practice sign language skills. In addition, the course provides students with instruction on how to make requests, talk about family, occupation, and daily routines in sign language. Upon course completion, students should be able to conduct a basic conversation utilizing sign language. Code C

ASL 103 American Sign Language III: 3 credits
Prerequisite: ASL 102
This course is part three of a five part sequence which allows students to continue improving their sign language skills. This course provides students with instruction on locating items in the household, making suggestions and requests. Upon completion, students should be able to conduct an intermediate conversation utilizing sign language. Code C

ASL 104 American Sign Language IV: 3 credits
Prerequisite: ASL 103
This course is part four of a five part sequence which allows students the opportunity to practice their sign language skills. This course provides students with instruction on how to exchange personal information in ASL. Upon completion, students should be able to describe and identify items, use non-manual markers, and topic-comment structure. Code

AST – ASTRONOMY

AST 220 Introduction to Astronomy: 4 credits
Prerequisite: None
This course covers the history of astronomy and the development of astronomical thought leading to the birth of modern astronomy and its most recent development. Emphasis is placed on the coverage of astronomical instruments and measuring technologies, the solar system, the Milky Way galaxy, important extra galactic objects and cosmology. Laboratory is required.

AUT – AUTOMOTIVE MANUFACTURING TECHNOLOGY

AUT 100 Introduction to Automotive Concepts: 3 credits
Prerequisite: None
An introduction to automotive manufacturing concepts is the focus of this course. This course reviews the history of automotive manufacturing and discusses the automotive manufacturing processes for various automotive assembly and sub-assembly plants. It outlines the historical development of automotive manufacturing in Alabama. Finally the electro-mechanical systems and body components of a typical vehicle will be examined.

AUT 102 Manufacturing Fundamentals: 3 credits
Prerequisite: None
This course will introduce students to manufacturing fundamentals. It introduces various tools and techniques typically used in Lean manufacturing. It also will provide Occupational Safety and Health Administration (OSHA) certification instruction. OSHA standards will include electrical, Lock Out/ Tag Out, hazardous communications, personal protective equipment, machine guarding, and walking and working surfaces.

AUT 103 Occupational Health and Safety: 2 credits
Prerequisite: None
This course will cover safety rules and procedures concerning personal safety in the workplace. The course provides both classroom and performance based hands on training to inform personnel on OSHA rules and techniques to ensure safety.

AUT 104 Blueprint Reading for Manufacturing: 3 credits
Prerequisite: None
This course provides the students with terms and definitions, theory of orthographic projection, and other information required to interpret drawings used in the manufacturing and industrial trade areas. Topics include multi-view projection, pictorial drawings, dimensions and notes, lines and symbols, tolerances, industrial applications, scales and quality requirements. Upon completion, students should be able to interpret blueprint drawings used in the manufacturing and industrial trades. This course may be tailored to meet specific local industry needs.

AUT 106 Quality Control and Inspection Techniques: 3 credits
Prerequisite: None
This course provides the student with a basic understanding of quality assurance including the history of the quality movement in the United States; national and international standards for quality management systems; the impact of quality on an organization's performance; group problem solving; and statistical methods such as statistical process control (SPC); process capability studies, quality tools, idea generating tools, and corrective and preventive actions.

AUT 107 Introduction to Computers in Technology: 2 credits
Prerequisite: None
An introduction to problem solving computer methods with specific emphasis on solution of scientific and engineering technology related problems. Solution methods will include the use of DOS, mathematics applications software, engineering analysis software, and word processor.

AUT 110 DC Fundamentals: 3 credits
Prerequisite: None
This course provides a study of atomic theory, direct current (DC), properties of conductors and insulators, direct current characteristics of series, parallel, and series parallel circuits. Inductors and capacitors are introduced and their effects on DC circuits are examined. Students are prepared to analyze complex DC circuits, solve for unknown circuits variables and to use basic electronic test equipment. This course also provides hands on laboratory exercises to analyze, construct, test, and troubleshoot direct current circuits. Emphasis is placed on the use of scientific calculator and the operation of common test equipment used to analyze and troubleshoot DC and to prove the theories taught during classroom instruction.

AUT 111 AC Fundamentals: 3 credits
Prerequisite: None
This course provides a study of the theory of alternating current (AC). Students are prepared to analyze complex AC circuit configurations with resistors, capacitors, and inductors in series and parallel combinations. Upon completion, students should be able to describe AC circuits and explain the specific AC theory functions such as RLC, impedance, phase relationships, and power factor. This course also provides hands on laboratory exercises to analyze alternating current using a variety of circuit configurations with resistors, capacitors, and inductors in series and parallel combinations. Emphasis is placed on the operation of common test equipment used to analyze and troubleshoot AC circuits to prove the theories taught.

AUT 112 Principles of Industrial Electricity: 3 credits
Prerequisite: None
This course provides instructions in the fundamentals of electricity from electron theory through poly-phase electrical power. Topics include basic concepts of electricity, electrical components, basic circuits, measurement and instruments, the laws of alternating current, poly-phase motors and controls, and electrical safety with lockout procedures. Upon course completion, students should be able to perform fundamental tasks associated with troubleshooting, repairing, and maintaining industrial electrical circuits.

AUT 114 Introduction to Programmable Logic Controllers: 3 credits
Prerequisite: None
This course provides an introduction to programmable logic controllers. Emphasis is placed on, but not limited to, the following: PLC hardware and software, numbering systems, installation, and programming. Upon completion, students must demonstrate their ability by developing, loading, debugging, and optimizing PLC programs.

AUT 116 Introduction to Robotics: 3 credits
Prerequisite: None
This course provides instruction in concepts and theories for the operation of robotic servo motors and power systems used with industrial robotic equipment. Emphasis is on the application of the computer to control power systems to perform work. Student competencies include understanding of the functions of hydraulic, pneumatic, and electrical power system components, ability to read and interpret circuitry for proper troubleshooting and ability to perform preventative maintenance.

AUT 118 Introduction to Engineering Technology: 3 credits
Prerequisite: None
This course is designed to introduce the student to the basic concepts, terminology, procedures associated with applied analytical skills needed to succeed in higher level courses. To include: engineering notation, use of scientific calculator, basic algebra, triangulation methods, basic geometry, and basic laws of electricity.

AUT 130 Fundamentals of Industrial Hydraulics and Pneumatics: 3 credits
Prerequisite: None
This course provides an introduction to hydraulics/pneumatics. Topics include hydraulic pumps, pneumatic compressors work and system components such as valves, filters, regulators, actuators, accumulators, and lubricators. The lab enables students to test, troubleshoot and repair hydraulic pumps, pneumatic compressors work and system components such as valves, filters, regulators, actuators, accumulators, and lubricators. Upon completion, students will be able to apply principles of hydraulic/pneumatics.

AUT 134 Industrial Motors: 3 credits
Prerequisite: None
This course focuses on basic information regarding industrial electrical motors. Upon completion students will be able to troubleshoot, remove, replace, and perform routine maintenance on various types of motors.

AUT 136 Principles of Refrigeration: 3 credits
Prerequisite: None
This course emphasizes the fundamental principles for air conditioning and refrigeration. Instruction is provided in the theory and principles of refrigeration and heat transfer, HVAC/R system components, common, and specialty tools for HVAC/R, and application of the concepts of basic compression refrigeration. Upon completion, students should identify system components and understand their functions, identify and use common and specialty HVAC/R tools, and maintain components of a basic compression refrigeration system.

AUT 138 Principles of Industrial Mechanics: 3 credits
Prerequisite: None
This course provides instruction in basic physics concepts applicable to mechanics of industrial production equipment. Topics include the basic application of mechanical principles with emphasis on power transmission, specific mechanical components, alignment, and tension. Upon completion, students will be able to perform basic troubleshooting, repair and maintenance functions on industrial production equipment.

AUT 145 Introduction to Injection Molding: 3 credits
Prerequisite: None
Students learn the fundamentals of injection molding operations, including molding terminology, machine part identification, operating safety, machine controls and machine startup and shutdown. Students are taught to identify common part defects such as short shots, flash, warp, surface defects, color changes and shrinkage. Students learn the properties of commonly used molding materials.

AUT 149 Basic Machining Technology: 5 credits
Prerequisite: None
This course introduces machining operations as they relate to the metalworking industry. Topics include machine shop safety, measuring tools, lathers, drilling machines, saws, milling machines, bench grinders, and layout instruments. Upon completion, students should be able to safely perform the basic operations of measuring, layout, drilling, sawing, turning, and milling.

AUT 150 Introduction to Machine Shop I: 3 credits
Prerequisite: None
Co-requisite: AUT 151
This course introduces machining operations as they relate to the metalworking industry. Topics include machine shop safety, measuring tools, lathes, saws, milling machines, bench grinders, and layout instruments. Upon completion, students will be able to perform the basic operations of measuring, layout, drilling, sawing, turning, and milling.

AUT 151 Introduction to Machine Shop I Lab: 3 credits
Prerequisite: None
Co-requisite: AUT 150
This course provides practical application of the concepts and principles of machining operations learned in AUT 150. Topics include machine shop safety, measuring tools, lathes, saws, milling

machines, bench grinders, and layout instruments. Upon completion, students will be able to perform the basic operations of measuring, layout, drilling, sawing, turning, and milling.

AUT 154 Metallurgy: 3 credits
Prerequisite: None
This course covers the production, properties, testing, classification, microstructure, and heat treating effects of ferrous and non-ferrous metals. Topics include the iron-carbon phase diagram, ITT diagram, ANSI code, quenching, senescing, and other processes concerning metallurgical transformations. Upon completion, students should be able to understand the iron-carbon phase diagram, ITT diagram, microstructure images, and other phenomena concerning the behavior of metals.

AUT 157 Toolmakers Technology: 3 credits
Prerequisite: None
This course covers the use of precision measuring instruments and interpreting engineering drawings. Emphasis is placed on the inspection of machine parts using a wide variety of measuring instruments and interpreting engineering drawings using modern conventions, symbols, datums, datum targets, projected tolerance zones, and industry specifications and standards. Upon completion students should be able to demonstrate correct use of measuring instruments and display print reading skills in line with NIMS certification standards.

AUT 158 Die Fundamentals: 3 credits
Prerequisite: None
The purpose of this course is to teach the general fundamentals of stamping. Topics include the dangers of a press operation, the primary components of presses and their functions, the operations of various types of dies, various stamping production methods, and the numerous components used to make up various dies. Upon completion students should be completely familiar with stamping operations and have a fundamental knowledge of how dies are constructed and how they shape material.

AUT 160 Die Construction and Tryout: 3 credits
Prerequisite: None
This course introduces the application and use of jigs and fixtures. Emphasis is placed on design and manufacture of simple jigs and fixtures. Upon completion, students should be able to design and build simple jigs and fixtures.

AUT 161 Die Maintenance and Repair: 3 credits
Prerequisite: None/AUT 160
This course serves as a follow on to AUT 160 Tool and Die Construction and Tryout. Emphasis is placed on safety, inspection, measurement, sharpening, grinding, disassembly, and the reassembly process. Upon completion the students should be able to safely inspect a die and perform the necessary functions to insure it is ready for use.

AUT 169 Basic CAD: 3 credits
Prerequisite: None
This course provides an introduction to basic Computer Aided Drafting and Design (CADD) functions and techniques, using "hands-on" applications. Topics include terminology, hardware, basic CADD and operating system functions, file manipulation, and basic CADD software applications in producing softcopy and hardcopy.

AUT 184 Introduction to Weld Technologies and Projection Welding Applications: 3 credits
Prerequisite: None
This course provides an understanding of joint types; weld joint positions, and multi-positional weld techniques. Students will learn sound methods of fabrication, metallurgy, welding of dissimilar metals, and techniques in SMAW, GMAW, and GTAW. Upon completion of this course, students will know the safety concerns with respect to material welding and possess the knowledge and understanding to select the correct weld type and technique for job specific applications.

AUT 190 Special Topics (Welding): 1 credit
Prerequisite: None
This course allows the student to plan, execute, and present results of individual projects in welding. Emphasis is placed on enhancing skill attainment in the welding field. The student will be able to demonstrate and apply competencies identified and agreed upon between the student and instructor.

AUT 191 Special Topics (Welding): 2 credits
Prerequisite: None
This course allows the student to plan, execute, and present results of individual projects in welding. Emphasis is placed on enhancing skill attainment in the welding field. The student will be able to demonstrate and apply competencies identified and agreed upon between the student and instructor.

AUT 192 Special Topics (Welding): 3 credits
Prerequisite: None
This course allows the student to plan, execute, and present results of individual projects in welding. Emphasis is placed on enhancing skill attainment in the welding field. The student will be able to demonstrate and apply competencies identified and agreed upon between the student and instructor.

AUT 193 Special Topics (Electrical/Electronic): 1 credit
Prerequisite: None
This course is designed to allow students an opportunity to study directly-related topics of particular interest which require the application of technical knowledge and technical skills. Emphasis is placed on the application of skills and knowledge with practical experiences. Upon completion, students should be able to solve job related problems using technical skills and knowledge.

AUT 194 Special Topics (Electrical/Electronic): 2 credits
Prerequisite: None
This course is designed to allow students an opportunity to study directly-related topics of particular interest which require the application of technical knowledge and technical skills. Emphasis is placed on the application of skills and knowledge with practical experiences. Upon completion, students should be able to solve job related problems using technical skills and knowledge.

AUT 195 Special Topics (Electrical/Electronic): 3 credits
Prerequisite: None
This course is designed to allow students an opportunity to study directly-related topics of particular interest which require the application of technical knowledge and technical skills. Emphasis is placed on the application of skills and knowledge with practical experiences. Upon completion, students should be able to solve job related problems using technical skills and knowledge.

AUT 196 Special Topics (Machining): 1 credit
Prerequisite: None
This course is a guided independent study of special projects in machine tool technology. Emphasis is placed on student needs. Upon completion, students should be able to demonstrate skills developed to meet specific needs.

AUT 197 Special Topics (Machining): 2 credits
Prerequisite: None
This course is a guided independent study of special projects in machine tool technology. Emphasis is placed on student needs. Upon completion, students should be able to demonstrate skills developed to meet specific needs.

AUT 198 Special Topics (Machining): 3 credits
Prerequisite: None
This course is a guided independent study of special projects in machine tool technology. Emphasis is placed on student needs. Upon completion, students should be able to demonstrate skills developed to meet specific needs.

AUT 200 Total Productive Maintenance: 2 credits
Prerequisite: None
This course will provide students with the knowledge to do preventive maintenance on automation systems. Also assess tooling, inspect and perform preventive maintenance on various tools. The course provides both classroom and performance based hands on training to inform personnel on preventive maintenance.

AUT 206 Quality Technician Fundamentals: 2 credits
Prerequisite: None
This course will cover measuring aides used to inspect a product. Methods used to gather data and information for proper inspection. Also, how to interpret mechanical drawings, frame

assembly, and weld prints. The course provides both classroom and performance based hands on training to inform personnel on measuring aides and mechanical drawings.

AUT 210 Industrial Robotics: 3 credits
Prerequisite: None
This course covers principles of electro-mechanical devices. Topics include the principles, concepts, and techniques involved in interfacing microcomputers to various electro-mechanical devices to produce geographical movement. Upon completion, students should be able to apply the principles of electro-mechanical devices.

AUT 211 Industrial Robotics Lab: 2 credits
Prerequisite: None
This lab covers the principles, concepts, and techniques involved in interfacing microcomputers to various electro-mechanical devices to produce geographical movement. Upon completion students should be able to apply the principles of electro-mechanical devices.

AUT 212 Robot Operation and Programming: 3 credits
Prerequisite: None
This training course is designed to provide the basic skills needed to operate and program the robot cell. The course provides both classroom and performance based hands on training in the use of controls, operations, and part programming.

AUT 213 Robotics Project: 3 credits
Prerequisite: None
In this course, students apply skills learned to design, fabricate, analyze, program, and/operate a robotics system under faculty supervision.

AUT 214 Robotic Manufacturing Computer Simulation: 4 credits
Prerequisite: None
This course covers the principles, techniques, and strategies of manufacturing simulation using computer simulation software. The course will cover concepts of simulation, simulation data management, kinematics, path development, robotic simulation, and simulated reach studies. When finished with this course, students will be able to apply these principles in the operation of industrial robotic equipment.

AUT 219 PLC Applications: 3 credits
Prerequisite: None
This course introduces advanced PLC programming techniques. Topics include tags, parallel processing, program optimization, and advanced math instructions. Emphasis is placed on optimizing PLC functions. Upon completion students will be able utilize advanced instructions to control PLC functions.

AUT 221 Advanced Programmable Logic Controllers: 3 credits
Prerequisite: None
This course includes the advanced principals of PLC's including hardware, programming, and troubleshooting. Emphasis is placed on developing advanced working programs, and

troubleshooting hardware and software communication problems. Upon completion, students should be able to demonstrate their ability in developing programs and troubleshooting the system.

AUT 224 Digital Circuits: 3 credits
Prerequisite: None
This course covers digital logic and digital networks. Topics include introductory concepts, number systems, codes, logic gates, Boolean algebra, combinational logic, flip-flop and related devices, arithmetic operations and arithmetic networks. Upon completion of this course, a student will be able to add, subtract, and multiply with digital electronic components.

AUT 225 Introduction to Networking: 3 credits
Prerequisite: None
This course is a study of the basic concepts of LAN and WAN. Topics include topologies, media, computer hardware and software used in networking. Network administrative procedures and security techniques will be introduced and observed.

AUT 226 Introduction to Networking – Lab: 2 credits
Prerequisite: None
This course provides students the working knowledge of networks by installing a LAN including cables and other hardware, as well as software. Planning and implementation of the network will be documented using current networking standards. This is designed to introduce students to the hands-on procedures for basic network setup.

AUT 228 Digital Communications Lab: 2 credits
Prerequisite: None
This course provides experimentation to verify theories of digital communication. Upon completion of this course and Digital Communications, students should be able to construct various digital communications circuits and make necessary measurements and adjustments.

AUT 230 Preventive and Predictive Maintenance: 3 credits
Prerequisite: None
This course focuses on the concepts and applications of preventive maintenance. Topics include the introduction of alignment equipment, job safety, tool safety, preventive maintenance concepts, procedures, tasks, and predictive maintenance concepts. Upon course completion, students will demonstrate the ability to apply proper preventive maintenance and explain predictive maintenance concepts.

AUT 232 Sensors Technology and Applications: 3 credits
Prerequisite: None
This course provides a study of industrial electronic sensors. Topics include, but are not limited to, photo-electric, temperature, gas and humidity, pressure and strain sensors. The lab enables students to test, and troubleshoot electronic sensors and sensor circuits. Upon completion, students should be able to select, install, test, and troubleshoot industrial electronic sensors.

AUT 234 Industrial Motor Controls I: 3 credits
Prerequisite: None
This course focuses on information regarding industrial motor controls and basic information regarding process logic controllers. Upon completion students will be able to remove, replace, and wire different types of control devices for operating industrial motors.

AUT 240 Mechanical and Electrical Maintenance Troubleshooting: 3 credits
Prerequisite: None
This mechanical maintenance training course is designed to provide the basic skills needed to mechanically maintain robots. The course provides both classroom and performance based hands on training to simulate mechanical failures and necessary repairs to robots. This course also is designed to provide the basic skills needed to electrically maintain a robot cell. The course provides both classroom and performance based hands on training in component replacement, electrical prints, robot troubleshooting, and software management.

AUT 250 Introduction to Process Control: 3 credits
Prerequisite: None
This course is designed to provide students with an introduction to process control technology and various instruments used to control processes. Upon completion, students should be able to comprehend principles of process control technology and the application of various instruments used to control processes in an industrial setting.

AUT 251 Introduction to Variable Frequency Drives (VFD) Servo Control: 3 credits
Prerequisite: None
This course provides an introduction to variable frequency drives (VFD) and servo drive technology. Topics include the purpose of VFDs, general operating principles, analog and digital servo drives, and characteristics of practical servo systems. The Lab enables students to program, test, and run drives and motors. The removal and replacement of servo drives will also be discussed. Upon completion students will be able to apply principles of VFD and servo drives.

AUT 253 Introduction to Computer Numerical Control (CNC): 3 credits
Prerequisite: None
This course introduces the concepts and capabilities of computer numeric control (CNC) machine tools. Topics include setup, operation, and basic applications. Upon completion, students should be able to develop a basic CNC program to safely operate a lathe and milling machine. This course is aligned with NIMS certification standards.

AUT 254 CNC Programming: 3 credits
Prerequisite: None
This course covers basic computer numeric control (CNC) turning machine setup and operating procedures (inner diameter and outer diameter). Upon completion, the student should be able to load a CNC program and setup and operate a CNC turning machine to produce a simple part. Related safety and inspection and process adjustment are also covered.

AUT 255 Basic CNC Milling Programming I: 3 credits
Prerequisite: None
This course covers concepts associated with basic programming of a computer numerical control (CNC) milling center. Topics include basic programming characteristics, motion types, tooling, workholding devices, setup documentation, tool compensations, and formatting. Upon completion, students should be able to write a basic CNC milling program that will be used to produce a part. This course is aligned with NIMS certification standards.

AUT 273 Injection Mold Processing: 3 Credits
Prerequisite: None
This course is designed to teach student basic injection mold processor skills. Topics will include safety, molding materials, machine controls, fill rates, temperature control, pressure control, and timing. Students will learn how various factors affect the injection mold process and how to compensate for those factors by setting and adjusting machine controls.

AUT 278 Robotic Programming and Welding: 3 credits
Prerequisite: None
This program introduces students to the safety and programming associated with robotic welding technology. Topics include robotic weld station familiarity, safety, robotic motions, programming, and welding inspection. Upon completion, the student should be able to setup and program a robot to weld parts in an efficient and safe manner.

AUT 280 Consumable Welding Process: 3 credits
Prerequisite: None
Co-requisite: AUT 282
This course provides instruction and demonstration with the consumable processes to produce groove and fillet welds in all positions, according to applicable welding codes. Topics include safe operating practices, equipment identification, equipment set-up, correct selection of filler metals, current/polarity, shielding gas and base metals. Upon completion, the student should be able to produce groove and fillet welds using the consumable welding processes, according to AWS Codes and Standards.

AUT 282 Consumable Welding Process Lab: 3 credits
Prerequisite: None
Co-requisite: AUT 280
This course provides instruction and demonstration with the consumable welding processes to produce groove and fillet welds in all positions, according to applicable welding codes. Topics include safe operating practices, equipment identification, equipment set-up, correct selection of filler metals, current/polarity, shielding gas and base metals. Upon completion, the student should be able to produce groove and fillet welds using the consumable welding processes, according to AWS Codes and Standards.

AUT 284 Robotic MIG Welding: 3 credits
Prerequisite: None
This course is designed to teach students how to MIG weld using a robot weld cell and includes extensive hands-on training. Topics include robot programming and the inter-relationship with welding principles, programmed safety precautions utilized in robotic welding, robotic weld controls systems, troubleshooting, and utilization of multi-functional teach pendants. Upon completion students will be able to operate MIG welding industrial robots and understand the interaction between robots and MIG welding technology.

AUT 285 Robotic Welding Lab: 3 credits
Prerequisite: None
This course is the application portion of AUT 278 and AUT 284. Students will perform more complex programming and troubleshooting functions including linear weaving and circular weaving. Upon completion students should be able to perform complex welding operations with industrial robots and understand how to correct programming problems.

AUT 286 SMAW Fillet/OFC: 3 credits
Prerequisite: None
This course provides the student with instruction on safety practices and terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of oxy-fuel cutting.

AUT 287 SMAW Fillet/OFC Lab: 3 credits
Prerequisite: None
This course is designed introduce the student to the proper set-up and operation of the shielded metal arc welding equipment. Emphasis is placed on striking and controlling the arc, and proper fit up of fillet joints. This course is also designed to instruct students in the safe operation of oxy-fuel cutting. Upon completion, students should be able to make fillet welds in all positions using electrodes in the F-3 groups in accordance applicable welding code and be able to safely operate oxy-fuel equipment and perform those operations as per the applicable welding code.

AUT 291 Automotive Cooperative Education: 1 credit
Prerequisite: None
This course is designed to give students practical, on-the-job experiences in all phases of automotive manufacturing under the supervision of a qualified professional. Grades are based on the successful completion of the work experience as judged by the students' work, supervisor, and faculty coordinator.

AUT 292 Automotive Cooperative Education: 2 credits
Prerequisite: None
This course is designed to give students practical, on-the-job experiences in all phases of automotive manufacturing under the supervision of a qualified professional. Grades are based on

the successful completion of the work experience as judged by the students' work, supervisor, and faculty coordinator.

AUT 293 Automotive Cooperative Education: 3 credits
Prerequisite: None
This course is designed to give students practical, on-the-job experiences in all phases of automotive manufacturing under the supervision of a qualified professional. Grades are based on the successful completion of the work experience as judged by the students' work, supervisor, and faculty coordinator.

BIO - BIOLOGY

BIO 101 Introduction to Biology I: 4 credits
Prerequisite: None
Introduction to Biology I is the first of a two-course sequence designed for non-science majors. It covers historical studies illustrating the scientific method, cellular structure, bioenergetics, cell reproduction, Mendelian and molecular genetic, and a survey of human organ systems. A 120-minute laboratory is required. Code A

BIO 102 Introduction to Biology II: 4 credits
Prerequisite: BIO 101
Introduction to Biology II is the second of a two-course sequence for non-science majors. It covers evolutionary principles and relationships, environmental and ecological topics, classification, and a survey of biodiversity. A 120-minute laboratory is required. Code A

BIO 103 Principles of Biology I: 4 credits
Prerequisite: None
This is an introductory course for science and non-science majors. It covers physical, chemical, and biological principles common to all organisms. These principles are explained through a study of cell structure and function, cellular reproduction, basic biochemistry, cell energetics, the process of photosynthesis, and Mendelian and molecular genetics. Also included are the scientific method, basic principles of evolution, and an overview of the diversity of life with emphasis on viruses, prokaryotes, and protists. A 120-minute laboratory is required. Code A

BIO 104 Principles of Biology II: 4 credits
Prerequisite: BIO 103
This course is an introduction to the basic ecological and evolutionary relationships of plants and animals and a survey of plant and animal diversity including classification, morphology, physiology, and reproduction. A 180-minute laboratory is required. Code A

BIO 110 Biology of Human Concern: 4 credits
Prerequisite: None.
This course is designed to give the non-science major an understanding of humans as biological organisms and as members of ecosystems. Emphasis is placed on biological implications of man's activities. Laboratory is required.

BIO 201 Human Anatomy and Physiology I: 4 credits
Prerequisite: BIO 103
Human Anatomy and Physiology I covers the structure and function of the human body. Included is an orientation of the human body, basic principles of chemistry, a study of cells and tissues, metabolism, joints, the integumentary, skeletal, muscular, and nervous systems, and the senses. Dissection, histological studies, and physiology are featured in the laboratory experience. A 120 minute laboratory is required. Code B

BIO 202 Human Anatomy and Physiology II: 4 credits
Prerequisites: BIO 103 and BIO 201
Human Anatomy and Physiology II covers the structure and function of the human body. Included is a study of basic nutrition, basic principles of water, electrolyte, and acid-base balance, the endocrine, respiratory, digestive, excretory, cardiovascular, lymphatic, and reproductive systems. Dissection, histological studies, and physiology are featured in the laboratory experience. A 120 minute laboratory is required. Code B

BIO 220 General Microbiology: 4 credits
Prerequisite: BIO 103 (Recommended 4 semester hours of chemistry)
This course includes historical perspectives, cell structure and function, microbial genetics, infectious diseases, immunology, distribution, physiology, culture, identification, classification, and disease control of microorganisms. The laboratory experience includes micro-techniques, distribution, culture, identification, and control. Two 120 minute laboratories are required.
Code B

BIO 250 Directed Studies in Biology I: 2 credits
Prerequisite: None
This course allows independent study under the direction of an instructor. Topics to be included in the course material will be approved by the instructor prior to or at the beginning of the class. Upon completion, students will be able to demonstrate knowledge of the topics as specified by the instructor. Code C

BIO 251 Directed Studies in Biology II: 2 credits
Prerequisite: BIO 250
This course allows independent study under the direction of an instructor. Topics to be included in the course material will be approved by the instructor prior to or at the beginning of the class. Upon completion, students will be able to demonstrate knowledge of the topics as specified by the instructor. Code C

BUS - BUSINESS

BUS 100 Introduction to Business: 3 credits
Prerequisite: None
This is a survey course designed to acquaint the student with American business as a dynamic process in a global setting. Topics include the private enterprise system, forms of business ownership, marketing, factors of production, personnel, labor, finance, and taxation.
Code C

BUS 150 Business Math: 3 credits
Prerequisite: None
This course is a study of practical business mathematics. Topics include fundamental processes of arithmetic with emphasis on decimals and percentages, markup, discounts, bank reconciliation, simple and compound interest discounting notes, depreciation methods, and present value.
Code C

BUS 215 Business Communication: 3 credits
Prerequisite: ENG 101 and/or OAD 131
This course covers written, oral and nonverbal communications. Topics include the application of communication principles to the production of clear, correct, and logically organized faxes, e-mail, memos, letters, resumes, reports, and other business communications. Code C

BUS 241 Principle of Accounting I: 3 credits
Prerequisite: None
This course is designed to provide a basic theory of accounting principles and practices used by service and merchandising enterprises. Emphasis is placed on financial accounting, including the accounting cycle, and financial statement preparation analysis. Code B

BUS 242 Principle of Accounting II: 3 credits
Prerequisite: BUS 241
This course is a continuation of BUS 241. In addition to a study of financial accounting, this course also places emphasis upon managerial accounting, with coverage of corporations, statement analysis introductory cost accounting, and use of information for planning, control, and decision making.
Code B

BUS 248 Managerial Accounting: 3 credits
Prerequisite: BUS 241 and BUS 242
This course is designed to familiarize the student with management concepts and techniques of industrial accounting procedures. Emphasis is placed on cost behavior, contribution approach to decision-making, budgeting, overhead analysis, cost-volume-profit analysis, and cost accounting systems. Code B

BUS 263 The Legal and Social Environment of Business: 3 credits
Prerequisite: None
This course provides an overview of the legal and social environment for business operations with emphasis on contemporary issues and their subsequent impact on business. Topics include the Constitution, the Bill of Rights, the legislative process, civil and criminal law, administrative agencies, trade regulations, consumer protection, contracts, employment and personal property. Code B

BUS 271 Business Statistics I: 3 credits
Prerequisite: Two years of high school Algebra, Intermediate Algebra, or appropriate score on Math Placement Test.
This is an introductory study of basic statistical concepts applied to economic and business problems. Topics include the collection, classification, and presentation of data, statistical description and analysis of data, measures of central tendency and dispersion, elementary probability, sampling, estimation and introduction to hypothesis testing. Code B

BUS 272 Business Statistics II: 3 credits
Prerequisite: BUS 271
This course is a continuation of BUS 271. Topics include sampling theory, statistical interference, regression and correlation, chi square, analysis of variance, time series index numbers, and decision theory. Code B

BUS 275 Principles of Management: 3 credits
Prerequisite: None
This course provides a basic study of the principles of management. Topics include planning, organizing, staffing, directing, and controlling with emphasis on practical business applications. Code B

CHD – CHILD DEVELOPMENT

CHD 100 Introduction of Early Care and Education of Children: 3 credits
Prerequisite: None
This course introduces students to the child education and care profession. It is designed to increase understanding of the basic concepts of child development and the developmental characteristics of children from birth through age 8/9 years, including infant and toddler and pre-school years. This course is the foundation for planning appropriate activities for children and establishing appropriate expectations of young children. This class also offers an opportunity to study the developmental domains (social, emotional, cognitive/language and physical). Course includes observations of the young child in early childhood settings. **Code C**

CHD 201 Child Growth and Development Principles: 3 credits
Prerequisite: None
This course is a systematic study of child growth and development from conception through early childhood, with focus on infant and toddler. Emphasis is on principles underlying physical,

mental, emotional and social development, and methods of child study and practical implications. Upon completion, students will be able to use knowledge of how young children differ in development and approaches to learning to provide opportunities that supports physical, social, emotional, language, cognitive, and aesthetic development. ***PSY 210 or PSY 211 may be used as a suitable substitute for this course for AAT and AAS degree programs at the discretion of the college.*** **Code C**

CHD 203 Children's Literature and Language Development: 3 credits
Prerequisite: None
This course surveys appropriate literature and language arts activities designed to enhance young children's speaking, listening, pre-reading and writing skills. Emphasis is placed on developmental appropriateness as related to language. Upon completion, students should be able to create, evaluate and demonstrate activities which support a language-rich environment for young children. **Code C**

CHD 204 Methods and materials for Teaching Children: 3 credits
Prerequisite: None
This course introduces basic methods and materials used in teaching young children. Emphasis is placed on students compiling a professional resource file of activities used for teaching math, language arts, science, and social studies concepts. Upon completion students will be able to demonstrate basic methods of creating learning experiences using developmental appropriate techniques, materials, and realistic expectations, including infant and toddler and pre-school. Course includes observations of young children in a variety of childcare environments. **Code C**
NOTE: CGM must teach this as a 2-1-3 configuration of theory/lab hours.

CHD 206 Children's Health and Safety: 3 credits
Prerequisite: None
This course introduces basic health, nutrition and safety management practices for young children. Emphasis is placed on how to set up and maintaining safe, healthy environments for young children including specific procedures for infants and toddlers and procedures regarding childhood illnesses and communicable diseases. **Code C**

CHD 209 Infant and Toddler Education Programs: 3 credits
Prerequisite: None
This course focuses on child development from infancy through thirty-five months of age with emphasis on planning programs using developmentally appropriate materials. Emphasis is placed on positive ways to support an infant or toddler's social, emotional, physical and intellectual development. Upon completion, the students should be able to plan an infant-toddler program and environment that is appropriate and supportive of the families and the children. **Code C**

CHD 210 Educating Exceptional Children: 3 credits
Prerequisite: None
This course explores the many different types of exceptionalities found in young children. Topics include speech, language, hearing and visual impairments, gifted and talented children,

mental retardation, emotional, behavioral, and neurological handicaps. Upon completion, students should be able to identify appropriate strategies for working with children. **Code C**

CHD 211 Child Development Seminar: 1 credit
Prerequisite: None
This course provides students with knowledge of a variety of issues and trends related the childcare profession. Subject matter will vary according to industry and student needs. Upon completion students should be able to discuss special topics related to current trends and issues in child development. **Code C**

CHD 219 Supervised Practical Experience: 2 credits
Prerequisite: None
This course provides hands-on, supervised experienced in an approved program for young children. Emphasis is placed on performance of daily duties which are assessed by the college instructor and the cooperating teacher. Upon completion, students will be able to demonstrate competency in a child care setting. **Code C**

CHM -CHEMISTRY

CHM 104 Introduction to Inorganic Chemistry: 4 credits
Prerequisite: MTH 092 or Equivalent math placement score
This is a survey course of general chemistry for students who do not intend to major in science or engineering and may not be substituted for CHM 111. Lecture will emphasize the facts, principles, and theories of general chemistry including math operations, matter and energy, atomic structure, symbols and formulas, nomenclature, the periodic table, bonding concepts, equations, reactions, stoichiometry, gas laws, phases of matter, solutions, pH, and equilibrium reactions. Laboratory is required. Code A

CHM 105 Introduction to Organic Chemistry: 4 credits
Prerequisite: CHM 104 or CHM 111
This is a survey course of organic chemistry and biochemistry for students who do not intend to major in science or engineering. Topics will include basic nomenclature, classification of organic compounds, typical organic reactions, reactions involved in life processes, function of biomolecules, and the handling and disposal of organic compounds. Laboratory is required. Code A

CHM 111 College Chemistry I: 4 credits
Co-requisite: MTH 112 or equivalent math placement score
This is the first course in a two-semester sequence designed for the science or engineering major who is expected to have a strong background in mathematics. Topics in this course include measurement, nomenclature, stoichiometry, atomic structure, equations and reactions, basic concepts of thermochemistry, chemical and physical properties, bonding, molecular structure, gas laws, kinetic-molecular theory, condensed matter, solutions, colloids, and some descriptive chemistry topics. Laboratory is required. Code A

CHM 112 College Chemistry II: 4 credits
Prerequisite: CHM 111
This is the second course in a two-semester sequence designed primarily for the science and engineering student who is expected to have a strong background in mathematics. Topics in this course include chemical kinetics, chemical equilibria, acids and bases, ionic equilibria of weak electrolytes, solubility product principle, chemical thermodynamics, electrochemistry, oxidation-reduction, nuclear chemistry, an introduction to organic chemistry and biochemistry, atmospheric chemistry, and selected topics in descriptive chemistry including the metals, nonmetals, semi-metals, coordination compounds, transition compounds, and post-transition compounds. Laboratory is required. Code A

CHM 221 Organic Chemistry I: 4 credits
Prerequisite: CHM 112
This is the first course in a two-semester sequence. Topics in this course include nomenclature, structure, physical and chemical properties, synthesis, and typical reactions for aliphatic, alicyclic, and aromatic compounds with special emphasis on reaction mechanisms, spectroscopy, and stereochemistry. Laboratory is required and will include the synthesis and confirmation of representative organic compounds with emphasis on basic techniques. Code B

CHM 222 Organic Chemistry II: 4 credits
Prerequisite: CHM 221
This is the second course in a two-semester sequence. Topics in this course include nomenclature, structure, physical and chemical properties, synthesis, and typical reactions for aliphatic, alicyclic, aromatic, and biological compounds, polymers and their derivatives, with special emphasis on reaction mechanisms, spectroscopy, and stereochemistry. Laboratory is required and will include the synthesis and confirmation of representative organic compounds with emphasis on basic techniques. Code B

CIS – COMPUTER SCIENCE

CIS 113 Spreadsheet Software Applications: 3 credits
Prerequisite: None
This course provides students with hands-on experience using spreadsheet software. Students will develop skills common to most spreadsheet software by developing a wide variety of spreadsheets. Emphasis is on planning, developing, and editing functions associated with spreadsheets. Code C

CIS 115 Presentations Graphics Software Applications: 3 credits
Prerequisite: None
This course provides students with hands-on experience using presentation graphics software. Students will develop skills common to most presentation graphics software by developing a wide variety of presentations. Emphasis is on planning, developing, and editing functions associated with presentations. Code C

CIS 117 Database Management Software Applications: 3 credits
Prerequisite: None
This course provides students with hands-on experience using database management software. Students will develop skills common to most database management software by developing a wide variety of databases. Emphasis is on planning, developing, and editing functions associated with database management. Code C

CIS 130 Intro to Information Systems: 3 credits
Prerequisite: None
This course is an introduction to computers that reviews computer hardware and software concepts such as equipment, operations, communications, programming and their past, present and future impact on society. Topics include computer hardware, various types of computer software, communication technologies and program development using computers to execute software packages and/or to write simple programs. Upon completion, students should be to describe and use the major components of selected computer software and hardware. Code B

CIS 146 Microcomputer Applications: 3 credits
Prerequisite: None
This course is an introduction to the most common microcomputer software applications. These software packages should include typical features of applications, such as word processing, spreadsheets, database management, and presentation software. Upon completion, students will be able to utilize selected features of these packages. This course will help prepare students for the MOS and IC3 certification. Code B

CIS 150 Introduction to Computer Logic and Programming: 3 credits
Prerequisite: None
This course includes logic, design and problem solving techniques used by programmers and analysts in addressing and solving common programming and computing problems. The most commonly used techniques of flowcharts, structure charts, and pseudocode will be covered and students will be expected to apply the techniques to designated situations and problems.
Code C

CIS 160 Multimedia for the World Wide Web: 3credits
Prerequisite: None
This course covers contemporary, interactive multimedia technology systems, focusing on types, applications, and theories of operation. In addition to the theoretical understanding of the multimedia technologies, students will learn how to digitize and manipulate images, voice, and video materials, including authoring a web page utilizing multimedia. Code C

CIS 161 Introduction to Networking Communications: 3 credits
Prerequisite: None
This course is designed to introduce students to basic concepts of computer networks. Emphasis is placed on terminology and technology involved in implementing selected networked systems. The course covers various network models, topologies, communications protocols, transmission media, networking hardware and software, and network troubleshooting. Students gain hands-on

experience in basic networking. This course further helps prepare students for certification. Code C

CIS 171 Fundamentals of Unix/Linux I: 3 credits
Prerequisite: None
This course presents fundamental applications in Unix/Linux. Included in this course are skills development for OS installation and setup, recompile techniques, system configuration settings, file/folder structures and types, run levels, basic network applications, and scripting. Additionally, the course presents security features from an administrative and user consideration. Code C

CIS 172 Fundamentals of Unix/Linux II: 3 credits
Prerequisite: CIS 171
This course is a continuation of DPT171 and includes advanced features of Unix/Linux. Included in the course are web applications, integrated network configurations, file transfer, server administration, system controls, IP tables/firewall to secure Unix/Linux systems, and strategic user-group applications specific to administrative network control. Code C

CIS 191 Intro to Computer Programming Concepts: 3 credits
Prerequisite: None
This course introduces fundamental concepts, including an algorithmic approach to problem solving via the design and implementation of programs in selected languages. Structured programming techniques involving input/output, conditional statements, loops, files, arrays and structures and simple data structures are introduced. Students are expected to write programs as part of this course. Code B

CIS 192 Advanced Computer Programming Concepts: 3 credits
Prerequisite: CIS 191
This course covers the concepts of algorithm specifications, structured programming, data representation, searching, sorting, recursion, simple data structures, language description, and problem testing. Emphasis is placed on development of problem-solving skills. Upon completion, the student will be able to demonstrate knowledge of the topics through the completion of programming projects and appropriate tests. Code C

CIS 199 Network Communications: 3 credits
Prerequisite: None
This course is designed to introduce students to the basic concepts of computer networks. Emphasis is placed on gaining an understanding of the terminology and technology involved in implementing networked systems. The course will cover the OSI and TCP/IP network models, communications protocols, transmission media, networking hardware and software, LANs (Local Area Networks) and WANs (Wide Area Networks), Client/Server technology, the Internet, Intranets and network troubleshooting. Upon completion of the course, students will be able to design and implement a computer network. Students will create network shares, user accounts, and install print devices while ensuring basic network security. They will receive hands-on experience building a mock network in the classroom. This course will help prepare students for the CCNA and Network + certifications. Code C

CIS 203 Introduction to the Information Highway: 3 credits
Prerequisite: None
This course introduces the student to the basic principles of the information highway. Students will be exposed to different network information tools such as electronic mail, network news, gophers, the World Wide Web, browsers, commercial information services and the use of appropriate editors or software to introduce construction of Web environments. Code C

CIS 205 Control Language and Utilities Applications: 3 credits
Prerequisite: None
This course introduces computer operation and the job or executive language on a mini- or mainframe computer using both batch and on-line techniques. Utilities including sorts, screen design aids, and control programs while operating system concepts such as scheduling are introduced. Upon completion, the student will been able to demonstrate knowledge of the topics through the completion of programming projects and appropriate tests. Code C

CIS 207 Introduction to Web Development: 3 credits
Prerequisite: None
At the conclusion of this course, students will be able to use specified markup languages to develop basic Web pages. Code C

CIS 208 Web Authoring Software: 3 credits
Prerequisite: None
Students utilize various Web authoring tools to construct and edit Web sites for a variety of applications. Upon completion students will be able to use these tools to develop or enhance Web sites. Code C

CIS 209 Advanced Web Development: 3 credits
Prerequisite: CIS 207
This is an advanced Web design course emphasizing the use of scripting languages to develop interactive Web sites. Upon completion students will be able to create data driven Web sites. This course helps prepare students for the Certified Internet Webmaster (CIW) Foundations certification. Code C

CIS 212 Visual Basic Programming: 3 credits
Prerequisite: None
This course emphasizes BASIC programming using a graphical user interface. The course will emphasize graphical user interfaces with additional topics on such topics as advanced file handling techniques, simulation, and other selected areas. Upon completion, the student will been able to demonstrate knowledge of the topics through the completion of programming projects and appropriate tests.
Code B

CIS 214 Security Analysis: 3 credits
Prerequisite: None
This course introduces students to the concept of security analysis, or penetration testing, of information systems. Students will evaluate the security of a computer system or network,

assessing security risks from the position of a potential attacker. Emphasis is on identifying security flaws and providing technical solutions. Code C

CIS 213 Advanced Visual Basic Programming: 3 credits
Prerequisite: CIS 212
This course is a continuation of CIS 212, Visual Basic Programming. Code C

CIS 222 Database Management Systems: 3 credits
Prerequisite: None
This course will discuss database system architectures, concentrating on Structured Query Language (SQL). It will teach students how to design, normalize and use databases with SQL, and to link those to the Web. Code C

CIS 241 Introduction to RPG Programming: 3 credits
Prerequisite: CIS 130 or equivalent
This course introduces the fundamental concepts of RPG (Report Program Generator). It includes such topics as report preparation, control breaks, and file processing. Upon completion, the student will been able to demonstrate knowledge of the topics through the completion of programming projects and appropriate tests. Code C

CIS 242 Intermediate RPG Programming: 3 credits
Prerequisite: CIS 241
This course is a continuation of CIS 241; includes such topics as sequential and random access file processing techniques. It may cover many of the structured programming commands, externally described files, display files, and other capabilities unique to some versions of RPG. Upon completion, the student will been able to demonstrate knowledge of the topics through the completion of programming projects and appropriate tests. Code C

CIS 245 Cyber Defense: 3 credits
Prerequisite: None
The course provides students with information on the concept of cyber defense. Topics include information relative to legal aspects of cyber-attacks, threats to various levels of national and local social infrastructure, financial systems, personal data, and other direct and indirect threats. As part of this course students explore current and historical cyber threats and U.S. policy regarding infrastructure protection. Code: C

CIS 246 Ethical Hacking: 3 credits
Prerequisite: None
This course emphasizes scanning, testing, and securing computer systems. The lab-intensive environment provides opportunities to understand how perimeter defenses work and how hackers are able to compromise information systems. With awareness of hacking strategies, students learn to counteract those attempts in an ethical manner. Code C

CIS 251 C++ Programming: 3 credits
Prerequisite: None
This course is an introduction to the C++ programming language including object oriented programming. Topics include: problem solving and design; control structures; objects and events; user interface construction; and document and program testing. Code B

CIS 255 JAVA Programming: 3 credits
Prerequisite: None
This course is an introduction to the Java programming language. Topics in this course include object-oriented programming constructs, Web page applet development, class definitions, threads, events and exceptions. Upon completion, the student will be able to demonstrate knowledge of the topics through the completion of programming projects and appropriate tests. Code B

CIS 256 Advanced JAVA: 3 credits
Prerequisite: CIS 255
This course is a second course of a sequence using the Java programming language. Topics include: Sun's Swing GUI components, JDBC, JavaBeans, RMI, servlets, and Java media framework. Upon completion, the student will be able to demonstrate knowledge of the topics through programming projects and appropriate exams. Code C

CIS 261 COBOL Programming: 3 credits
Prerequisite: None
This course is an introduction to the COBOL programming language. Included are structured programming techniques, report preparation, arithmetic operations, conditional statements, group totals, and table processing. Upon completion, the student will been able to demonstrate knowledge of the topics through the completion of programming projects and appropriate tests. Code B

CIS 262 Advanced COBOL Programming: 3 credits
Prerequisite: Cis 261
This course consists of development, completion, testing, and execution of complex problems in COBOL using various data file structures. A structured approach will be implemented as a methodological system. Upon completion, the student will been able to demonstrate knowledge of the topics through the completion of programming projects and appropriate tests. Code B

CIS 268 Software Support: 3 credits
Prerequisite: None
This course provides students with hands-on practical experience in installing computer software, operating systems, and trouble-shooting. The class will help to prepare participants for the A+ Certification sponsored by CompTIA. Code C

CIS 269 Hardware Support: 3 credits
Prerequisite: None
This course provides students with hands-on practical experience in installation and troubleshooting computer hardware. The class will help to prepare participants for the A+ Certification sponsored by CompTIA. Code C

CIS 275 Workstation Administration: 3 credits
Prerequisite: None
This course provides a study of client system administration in a network environment. Topics include installing, monitoring, maintaining, and troubleshooting client operating system software and managing hardware devices and shared resources. Students gain hands-on experience in client operating system installation and basic administration of network workstations. Code C

CIS 276 Server Administration: 3 credits
Prerequisite: None
This course introduces network operating system administration. Topics included in this course are network operating system software installation, administration, monitoring, and maintenance; user, group, and computer account management; shared resource management; and server hardware management. Students gain hands-on experience in managing and maintaining a network operating system environment. Code C

CIS 277 Network Services Administration: 3 credits
Prerequisite: None
This course provides an introduction to the administration of fundamental networking services and protocols. Topics included in this course are implementing, managing, and maintaining essential network operating system services such as those for client address management, name resolution, security, routing, and remote access. Students gain hands-on experience performing common network infrastructure administrative tasks. Code C

CIS 278 Directory Services Administration: 3 credits
Prerequisite: None
This course provides a study of planning, implementing, and maintaining a network directory services. Topics included in this course are planning and implementing network directory organizational and administrative structures. Students gain hands-on experience using a directory service to manage user, group, and computer accounts, shared folders, network resources, and user environment. Code C

CIS 279 Network Infrastructure Design: 3 credits
Prerequisite: None
This course provides a study of network infrastructure design. Topics included in this course are strategies for planning, implementing, and maintaining server variability security, client addressing schemes, name resolution, routing, remote access, and network security. Students gain experience by designing plans for implementing common network infrastructure and protocols. Code C

CIS 280 Network Security: 3 credits
Prerequisite: None
This course provides a study of threats to network security and methods of securing a computer network from such threats. Topics included in this course are security risks, intrusion detection, and methods of securing authentication, network access, remote access, Web access, and wired and wireless network communications. Upon completion students will be able to identify security risks and describe appropriate counter measures. Code C

CIS 281 System Analysis and Design: 3 credits
Prerequisite: CIS 191 or higher
This course is a study of contemporary theory and systems analysis and design. Emphasis is placed on investigating, analyzing, designing, implementing, and documenting computer systems. Upon completion, the student will been able to demonstrate knowledge of the topics through the completion of programming projects and appropriate tests. Code C

CIS 282 Computer Forensics: 3 credits
Prerequisite: None
This course introduces students to methods of computer forensics and investigations. This course helps prepare students for industry specific certification. Code C

CIS 288 Networking Applications: 3 credits
Prerequisite: None
This course is designed to provide student opportunities to develop skills in networking. Specific course application will be determined by the instructor. Code C

CIS 289 Wireless Networking: 3 credits
Prerequisite: None
The purpose of this course is to allow students to explore current issues related to wireless technology. Students will be able to develop and maintain wireless networks using advancements in current technology. Code C

CIS 294 Special Topics: 3 credits
Prerequisite: None
This course allows study of currently relevant computer science topics, with the course being able to be repeated for credit for each different topic covered. Course content will be determined by the instructor and will vary according to the topic being covered. Upon completion, the student will be able to demonstrate specified skills. Code C

CIT – COSMETOLOGY INSTRUCTOR TRAINING

CIT 211 Teaching and Curriculum Development
Prerequisite: None
This course focuses on principles of teaching, teaching maturity, professional conduct, and the development of cosmetology curriculum. Emphasis is placed on teacher roles, teaching styles,

teacher challenges, aspects of curriculum development, and designing individual courses. Upon completion, the student should be able to describe the role of teacher, identify means of motivating students, develop a course outline, and develop lesson plans. **CORE**

CIT 212 Teacher Mentorship
Prerequisite: None
This course is designed to provide the practice through working with a cosmetology instructor in a mentoring relationship. Emphasis is placed on communication, student assessment, and assisting students in the lab. Upon completion, the student should be able to communicate with students, develop a course of study, and apply appropriate teaching methods. **CORE**

CIT 213 Lesson Plan Development
Prerequisite: None
The course provides students with additional opportunities to observe instructors and develop teaching materials and skills. **CORE**

CIT 221 Lesson Plan Implementation
Prerequisite: None
This course is designed to provide practice in preparing and using lesson plans. Emphasis is placed on organizing, writing, and presenting lesson plans using the four-step teaching method. Upon completion, students should be able to prepare and present a lesson using the four step teaching method. **CORE**

CIT 222 Audio Visual Materials and Methods
Prerequisite: None
This course focuses on visual and audio aids and materials. Emphasis is placed on the use and characteristics of instructional aids. Upon completion, students should be able to prepare teaching aids and determine their most effective use. **CORE**

CIT 223 Audio Visual Materials and Methods Applications
Prerequisite: None
This course is designed to provide practice in preparing and using visual and audio aids and materials. Emphasis is placed on the preparation and use of different categories of instructional aids. Upon completion, the student should be able to prepare and effectively present different types of aids for use with a four step lesson plan. **CORE**

CNC – COMPUTERIZED NUMERICAL CONTROL

CNC 111 Introduction to Computer Numerical Control: 2 credits
Prerequisite: None
This course introduces the concepts and capabilities of computer numerical control machine tools. Topics include setup, operation, and basic applications. Upon completion, students should be able to explain operator safety, machine protection, data input, program preparation, and program storage.

CNC 112 Computer Numeric Control Turning: 3 credits
Prerequisite: None
This course introduces the programming, setup, and operation of CNC turning centers. Topics include programming formats, control functions, program editing, part production, and inspection. Upon completion, students should be able to manufacture simple parts using CNC turning center.

CNC 113 Computer Numeric Control Milling: 3 credits
Prerequisite: None
This course introduces the manual programming, setup, and operation of CNC machining centers. Topics include programming formats, control functions, program editing, part production, and inspection. Upon completion, students should be able to manufacture simple parts using CNC machining centers.

CNC 115 Basic Math for Computerized Numerical Control: 3 credits
Prerequisite: None
This course introduces the application of basic types and uses of compound angles. Emphasis is placed on problem solving by tilting and rotating adjacent angles to resolve an unknown compound angle. Upon completion, students should be able to set up and develop compound angles on parts using problem-solving techniques.

CNC 121 Basic Blueprint Reading for Machinists: 3 credits
Prerequisite: None
This course covers the basic principles of blueprint reading and sketching. Topics include multi-view drawings; interpretation of conventional lines; and dimensions, notes, and thread notations. Upon completion, students should be able to interpret basic drawings, visualize parts, and make pictorial sketches.

CNC 142 Applied Geometry for CNC Machine: 3 credits
Prerequisite: None
This course introduces applied geometry as it relates to CNC. Emphasis is placed on geometry applied to problem solving used to make calculations for machining parts for CNC from engineering drawings. Upon completion students should be able to solve problems required for planning, making, and checking of machined parts.

CNC 143 Applied Trigonometry for CNC Machining: 3 credits
Prerequisite: None
This course introduces the concepts of applied trigonometry for CNC machining. Topics include computing unknown sides, angles, projection of auxiliary lines to solve two or more right triangles as it relates to CNC programming and precision machining. Upon completion students should be able to analyze and make computations in orderly steps to make and inspect parts.

CNC 181 Special Topics in Computerized Numerical Control: 3 credits
Prerequisite: None
These courses provided specialized instruction in various areas related to CNC. Emphasis is placed on meeting students' needs

CNC 213 Advanced Computer Numerical Control Milling: 3 credits
Prerequisite: None
This course covers advanced methods in setup and operation of CNC machining centers. Emphasis is placed on programming and production of complex parts. Upon completion, students should be able to demonstrate skills in programming, operations, and setup of CNC machining centers.

CNC 215 Quality Control and Assurance: 3 credits
Prerequisite: None
This is an advanced course in parts inspection using Geometric Dimensioning and Tolerancing, and familiarization of the Coordinate Measuring Machine. Topics include part set-up, tolerance applications, maximum material and least material conditions, perpendicularity and point of intersection. Upon completion, the student should be able to inspect machined parts demonstrating an understanding of G.D.T. and C.M.M.

CNC 218 Programming and Setup for Electrical Discharge Machining: 6 credits
Prerequisite: None
This course introduces the student to the concept of EDM (Electrical Discharge Machining). Topics include principles, programming techniques, set-up and operation. Students will learn to produce basic machine parts.

CNC 221 Advanced Blueprint Reading for Machinists: 3 credits
Prerequisite: CNC 121 or MSP 121
This course introduces more complex industrial blueprints. Emphasis is placed on auxiliary views, section views, violations of true project, special views, applications of GD & T, and interpretation of complex parts. Upon completion, students should be able to read and interpret complex industrial blueprints.

CNC 223 Computer Numerical Control Graphics Programming: Milling: 3 credits
Prerequisite: None
This course introduces Computer Numerical Control graphics programming and concepts for machining center applications. Emphasis is placed on developing a shape file in a graphics CAM system and transferring coded information from CAM graphics to the CNC milling center. Upon completion, students should be able to develop a complete job plan using CAMM software to create a multi-axis CNC program.

CNC 230 Computer Numerical Control Special Projects: 3 credits
Prerequisite: None
This course is designed to allow students to work in the lab with limited supervision. The student is to enhance their proficiency levels on various CNC machine tools. Upon completion, students are expected to plan, execute, and present results of advanced CNC products.

CNC 232 Basic Tool & Die: 4 credits
Prerequisite: None
This course introduces the application and use of jigs and fixtures. Emphasis is placed on design and manufacture of simple jigs and fixtures. Upon completion, students should be able to design and build simple jigs and fixtures.

CNC 235 Basic Die Construction: 5 credits
Prerequisite: None
This course is designed to teach construction, maintenance, operation and safety as related to tool and die construction. Topics include blanking, piercing, bending. Upon completion, students should be able to design and build blanking dies and bending dies.

CNC 281 Special Topics in Computerized Numerical Control: 3 credits
Prerequisite: None
These courses provided specialized instruction in various areas related to CNC. Emphasis is placed on meeting students' needs.

COS - COSMETOLOGY

COS 111 Introduction to Cosmetology: 3 credits
Prerequisite: None
Co-requisite: COS 112
This course is designed to provide students with an overview of the history and development of cosmetology and standards of professional behavior. Students receive basic information regarding principles and practices of infection control, diseases, and disorders. Additionally students receive introductory information regarding hair design. The information presented in this course is enhanced by hands-on application performed in a controlled lab environment. Upon completion, students should be able to apply safety rules and regulations and write procedures for skills identified in this course.

COS 112 Introduction to Cosmetology Lab: 3 credits
Prerequisite: None
Co-requisite: COS 111
In this course, students are provided the practical experience for sanitation, shampooing, hair shaping, and hairstyling. Emphasis is placed on disinfection, shampooing, hair shaping, and hairstyling for various types of hair for men and women. This course offers opportunities for students to put into practice concepts learned in the theory component from COS 111.

COS 113 Theory of Chemical Services: 3 credits
Prerequisite: None
Co-requisite: COS 114
During this course students learn concepts of theory of chemical services related to the chemical hair texturing. Specific topics include basics of chemistry and electricity, properties of the hair and scalp, and chemical texture services. Safety considerations are emphasized throughout this

course. This course is foundational for other courses providing more detailed instruction on these topics.

COS 114 Chemical Services Lab: 3 credits
Prerequisite: None
Co-requisite: COS 113
During this course students perform various chemical texturing activities. Emphasis is placed on cosmetologist and client safety, chemical use and handling, hair and scalp analysis, and client consulting.

COS 115 Hair Coloring Theory: 3 credits
Prerequisite: None
Co-requisite: COS 116
In this course, students learn the techniques of hair coloring and hair lightening. Emphasis is placed on color application, laws, levels and classifications of color and problem solving. Upon completion, the student will should be able to identify all classifications of hair coloring and the effects on the hair.

COS 116 Hair Coloring Lab: 3 credits
Prerequisite: None
Co-requisite: COS 115
In this course, students apply hair coloring and hair lightening techniques. Topics include consultation, hair analysis, skin test and procedures and applications of all classifications of hair coloring and lightening. Upon completion, the student will be able to perform procedures for hair coloring and hair lightening.

COS 117 Basic Spa Techniques: 3 credits
Prerequisite: None
Co-requisite: COS 118
This course is the study of cosmetic products, massage, skin care, and hair removal, as well as identifying the structure and function of various systems of the body. Topics include massage skin analysis, skin structure, disease and disorder, light therapy, facials, facial cosmetics, anatomy, hair removal, and nail care. Upon completion, the student will be able to state procedures for analysis, light therapy, facials, hair removal, and identify the structures, functions, disorders of the skin, and nail care.

COS 118 Basic Spa Techniques Lab: 3 credits
Prerequisite: None
Co-requisite: COS 117
This course provides practical applications related to the care of the skin and related structure. Emphasis is placed on facial treatments, product application, skin analysis, massage techniques, facial make-up, hair removal, and nail care. Upon completion, the student should be able to prepare clients, assemble sanitized materials, follow procedures for product application, recognize skin disorders, demonstrate facial massage movement, cosmetic application, and hair removal using safety and sanitary precautions, and nail care.

COS 119 Business of Cosmetology: 3 credits
Prerequisite: None
This course is designed to develop job-seeking and entry-level management skills for the beauty industry. Topics include job seeking, leader and entrepreneurship development, business principles, business laws, insurance, marketing, and technology issues in the workplace. Upon completion, the student should be able to list job-seeking and management skills and the technology that is available for use in the salon.

COS 123 Cosmetology Salon Practices: 3 credits
Prerequisite: None
This course is designed to allow students to practice all phases of cosmetology in a salon setting. Emphasis is placed on professionalism, receptionist duties, hair styling, hair shaping, chemical, and nail and skin services for clients. Upon completion, the student should be able to demonstrate professionalism and the procedures of cosmetology in a salon setting.

COS 158 Employability Skills: 3 credits
Co-requisite or Prerequisite: COS 111, 112, 113, 114, 115, 116, 117, 118, 119, 123
This course provides the study of marketable skills to prepare the student to enter the world of work. Emphasis is placed on resumes, interviews, client and business relations, personality, computer literacy and attitude. Upon completion, the student should be prepared to obtain employment in the field for which they have been trained.

CRJ – CRIMINAL JUSTICE

CRJ 100 Introduction to Criminal Justice: 3 credits
Prerequisite: None
This course surveys the entire criminal justice process from law enforcement to the administration of justice through corrections. It discusses the history and philosophy of the system and introduces various career opportunities. Code B

CRJ 110 Introduction to Law Enforcement: 3 credits
Prerequisite: None
This course examines the history and philosophy of law enforcement, as well as the organization and jurisdiction of local, state, and federal agencies. It includes the duties and functions of law enforcement officers. Code B

CRJ 150 Introduction to Corrections: 3 credits
Prerequisite: None
This course provides an introduction to the philosophical and historical foundations of corrections in America. Incarceration and some of its alternatives are considered. Code B

DDT – DRAFTING AND DESIGN TECHNOLOGY

DDT 104 Intro to Computer Aided Drafting and Design: 3 Credits – 5 Contact Hours
Prerequisite: None
This course provides an introduction to basic Computer Aided Drafting and Design (CADD) functions and techniques, using "hands-on" applications. Topics include terminology, hardware, basic CADD and operating system functions, file manipulation, and basic CADD software applications in producing softcopy and hardcopy.

DDT 111 Fundamentals of Drafting and Design Technology: 3 Credits – 5 Contact Hours
Prerequisite: None
This course serves as an introduction to the field of drafting and design and provides a foundation for the entire curriculum. Topics include safety, lettering, tools and equipment, geometric constructions, and orthographic sketching, and drawing.

DDT 114 Industrial Blueprint Reading: 3 Credits – 3 Contact Hours per week
Prerequisite: None
This course provides students with basic blueprint reading for various industrial applications. Topics include orthographic projection, dimensions and tolerances, symbols, industrial application, scales and notes. This course may be tailored to meet a specific industry need.

DDT 115 Blueprint Reading for Machinists: 3 Credits – 3 Contact Hours per week
Prerequisite: None
This course provides the students with terms and definitions, theory of orthographic projection, and other information required to interpret drawings used in the machine trades. Topics include multi-view projection, pictorial drawings, dimensions and notes, lines and symbols, and sketching. Upon completion, students should be able to interpret blueprint drawings used in the machine trades.

DDT 116 Blueprint Reading for Construction: 3 Credits – 3 Contact Hours per week
Prerequisite: None
This course provides the students with terms and definitions, theory of orthographic projection, and other information required to interpret drawings used in the construction trades. Topics include multiview projection, dimensions and notes, lines and symbols, sketching, foundations plans, site plans, floor plans, elevations, sections, details, schedules, electrical plans and specifications. Upon completion, students should be able to interpret blueprint drawings used in the construction trades.

DDT 117 Manufacturing Processes: 3 Credit Hours – 3 Contact Hours per week
Prerequisite: None
This course in materials and processes includes the principles and methodology of material selection, application, and manufacturing processes. Emphasis is directed to solids to include material characteristics, casting, forging, and die assemblies. Upon completion, students should be able to discuss and understand the significance of materials' properties, structure, basic manufacturing processes, and express and interpret material specifications.

DDT 118 Basic Electrical Drafting: 3 Credits – 5 Contact Hours per week
Prerequisite: DDT 104, DDT 111, DDT 144, or permission of instructor
This course covers the universal language of electrical drafting, including electrical lines, symbols, abbreviations, and notation. Emphasis is placed on typical components such as generator controls, transmission networks, and lighting, heating, and cooling devices. Upon completion, students should be able to draw basic diagrams of electrical and electronic circuits using universally accepted lines and symbols.

DDT 124 Intro to Technical Drawing: 3 Credits – 5 Contact Hours per week
Prerequisite: DDT 104, DDT 111, DDT 144 or Permission of Instructor
This course covers sections, auxiliary views, and basic space geometry. Emphasis will be placed on the theory as well as the mechanics of applying sections, basic dimensioning, auxiliary views, and basic space geometry.

DDT 125 Surface Development: 3 Credits – 5 Contact Hours per week
Prerequisite: DDT 104, DDT 111, DDT 144, or permission of instructor
This course covers surface intersections and developments. Emphasis is placed on the basic types of intersections using simple geometric forms. Upon completion, students should be able to draw common types of surface intersection and handle them simply as applications of the concepts learned in this class.

DDT 127 Intermediate Computer Aided Drafting and Design: 3 Credits – 5 Contact Hours per week
Prerequisite: DDT 104, DDT 111, DDT 144, or permission of instructor
This course covers intermediate-level concepts and applications of CADD. Emphasis will be placed on intermediate-level features, commands, and applications of CADD software.

DDT 128 Intermediate Technical Drawing: 3 Credits – 5 Contact Hours per week
Prerequisite: DDT 104, 111, DDT 144, DDT 124 or permission of instructor
This course is designed to develop a strong foundation in common drafting and design practices and procedures. Topics include dimensioning concepts and pictorial drawings.

DDT 131 Machine Drafting Basics: 3 Credits – 5 Contact Hours per week
Prerequisite: DDT 104, DDT 111, DDT 144 or Permission of Instructor
This course in machine drafting and design provides instruction in the largest specialty area of drafting in the United States, in terms of scope and job opportunities. Emphasis will be placed on the applications of multi-view drawings, including drawing organization and content, title blocks and parts lists, assembly drawings, detail drawings, dimensioning and application of engineering controls in producing industrial-type working drawings. Upon completion, students should be able to organize, layout, and produce industrial-type working drawings, including the application of title blocks, parts lists, assemblies, details, dimensions, and engineering controls.

DDT 132 Architectural Drafting: 3 Credits – 5 Contact Hours per week
Prerequisite: DDT 104, DDT 111, DDT 144 or Permission of Instructor
This course in architectural design and drafting introduces basic terminology, concepts and principles of architectural design and drawing. Topics include design considerations, lettering, terminology; site plans, and construction drawings. Upon completion, students should be able to draw, dimension, and specify basic residential architectural construction drawings.

DDT 134 Descriptive Geometry: 3 Credits – 5 Contact Hours per week
Prerequisite: DDT 104, DDT 111, DDT 144 or Permission of Instructor
This course is designed to teach the fundamental concepts of descriptive geometry with an emphasis on logical reasoning, visualization, and practical applications. Topics include orthographic projection, points and lines in space, auxiliary views, plan representation, intersecting, non-intersecting lines, piercing and intersecting planes, plane development and calculations. Upon completion students should be able to project and intersect points, lines, and planes with their relationships in space.

DDT 144 Basic 3D Modeling: 3 Credit Hours - 5 Contact Hours
Prerequisite: None
This course is an introduction to 3D solid modeling techniques utilizing feature-based, constraint-based parametric design. This course encourages the student to visualize parts in the 3D world and have a "design intent" plan for each part in which they will design. Upon completion of the course students should be able to create basic 3D models and 2D working drawings.

DDT 150 Theory of Residential Drawing and Design: 3 Credit Hours – 3 Contact Hours per week
Prerequisite: None
This course provides the theory of residential drawing and design. Topics include architectural styles, house design, site and space planning, climate, drawing requirements, construction materials and process, terminology, and specific types of drawings required to complete a full set of construction documents. Introductory and intermediate level topics are covered. Emphasis is placed on an understanding of the various issues and requirements essential to the field of residential drawing and design..

DDT 155 Drawing for Residential Construction: 4 Credit Hours – 8 Contact Hours per week
Prerequisite: DDT 104, DDT 111, DDT 144 or Permission of Instructor
This course is an applications lab for the theory of residential drawing and design. Topics include house design, site and space planning, construction materials and process, terminology, and specific types of drawings required to complete a set of construction documents. Introductory and intermediate level topics are covered. Upon completion, students should be able to produce drawings to convey the various issues and requirements essential to the field of residential drawing and design.

DDT 181 Special Topics in Drafting: 3 Credit Hours - 5 Contact Hours per week
Prerequisite: Permission of Instructor

This course provides specialized instruction in various areas related to the drafting industry. Emphasis is placed on meeting students' needs.

DDT 193 Drafting Internship: 3 Credit Hours
Prerequisite: Permission of Instructor
This course is limited to those who are involved in a structured employment situation that is directly related to the field of drafting and design and is coordinated with the drafting instructor. The student must spend at least 15 hours per week in an activity planned and coordinated jointly by the instructor and the employer. Upon completion, the student will have gained valuable work experience in a well-planned, coordinated training/work situation.

DDT 212 Intermediate Architectural Drafting: 3 Credit Hours – 5 Contact Hours per week
Prerequisite: DDT 104, DDT 111, DDT 144, DDT 132 or Permission of Instructor
This second course in architectural design and drafting continues with more advanced and detailed architectural plans. Topics include floor construction and detailing, foundation, wall, and roof construction and detailing; use of standard manuals; perspective drawings; electrical plans; plumbing plans; and building materials, with emphasis on residential and some light commercial applications. Upon completion, students should be able to draw and specify advanced-level plans including various architectural details.

DDT 213. Civil Drafting, Plat Maps: 3 Credit Hours – 5 Contact Hours per week
PREREQUISITE: DDT 104, DDT 111, DDT 124, DDT 128 or permission of instructor.
This course introduces the drafting practices, symbols, conventions, and standards utilized in civil engineering contract documents. Topics include site planning, land surveying, topographic surveys, along with civil terminology. Upon completion, students should be able to draw accurate plat maps giving legal descriptions of land parcels, draw simple site plans, and identify and use proper symbols and conventions on civil engineering drawings.

DDT 214 Pipe Drafting: 3 Credit Hours – 5 Contact Hours per week
Prerequisite: DDT 104, DDT 111, DDT 144, or permission of instructor
This course covers the theory and practical application needed to understand piping fundamentals as used in refineries and petrochemical plants. Topics include process and mechanical flow diagrams, plant equipment, isometric drawings, instrumentation symbols, pipe symbols, flanges, fittings, and applications of basic math and trigonometry. Upon completion, students should be able to demonstrate pipe drafting techniques and fundamentals in order to prepare working drawings used in refineries and the petrochemical industrial environment.

DDT 220 Advanced Technical Drawing: 3 Credit Hours – 5 Contact Hours
Prerequisite: DDT 128 or Permission of Instructor
This course covers the methods of providing size description and manufacturing information for production drawings. Emphasis will be placed on accepted dimensioning and tolerancing practices including Geometric Dimensioning and Tolerancing for both the ANSI and the ISO System. Upon completion, students should be able to apply dimensions, tolerances, and notes to drawings to acceptable standards, including Geometric Dimensioning and Tolerancing, and produce drawings using and specifying common threads and various fasteners, including welding methods.

DDT 222 Advanced Architectural Drafting: 3 Credit Hours – 5 Contact Hours
Prerequisite: DDT 212 or Permission of Instructor
This third course in architectural design and drafting continues with advanced architectural plans, including a slant toward light commercial construction. Topics include climate control plans, application of building codes, building materials and finish specifications, cost estimating, and bid specifications. Upon completion, students should be able to apply current techniques in producing advanced-level architectural plans, including residential and light commercial applications.

DDT 224 Structural Concrete Drafting: 3 Credit Hours – 5 Contact Hours per week
Perquisite: DDT 104, DDT 111, DDT 144
This course is designed to develop the knowledge and skills necessary to understand the basic components and terminology of precast and poured-in-place concrete structures. Emphasis is placed on precast concrete framing plans, sections, fabrication and connection details, poured-in-place concrete foundations, floor systems, and bills of material. Upon completion, students should be able to construction engineering and shop drawings of concrete beams, column, floor, rood, and wall framing plans using the A.I.S.C. Manual and incorporating safety practices.

DDT 225 Structural Steel Drafting: 3 Credit Hours – 5 Contact Hours per week
Prerequisite: DDT 104, DDT 111, DDT 144
This course covers the theory and practical applications necessary to understand the basic design and terminology of structural steel components used in light commercial buildings. Emphasis placed on structural steel drafting techniques, bolted and welded connections, framing plans, sections, fabrication and connection details, and bills of material. Upon completion, students should be able to produce engineering and shop drawings incorporating standard shapes, sizes, and details using the A. I. S. C. manual and incorporating safety practices.

DDT 226 Technical Illustration: 3 Credit Hours – 5 Contact Hours per week
Prerequisite: DDT 104, DDT 111, DDT 144, or permission of instructor
This course provides the student with various methods of illustrating structures and machine parts. Topics include axonometric drawings; exploded assembly drawings; one point, two point, and three point perspectives, surface textures, and renderings. Upon completion, students should be able to produce drawings and illustrations using the previously described methods.

DDT 227 Strength of Materials: 4 Credit Hours – 4 Contact Hours per week
Prerequisite: DDT 104, DDT 111, DDT 144
This course in statics and strength of materials includes the study of forces and how they act and react on bodies and structures. Topics include the effects of forces as found in structures and machines under conditions of equilibrium, how materials resist forces, strengths of common construction materials and structural components. Force systems such as parallel, concurrent, and non-concurrent are studied in coplanar and non-coplanar situations are included. Upon completion, students should understand and be able to apply the principles of force in engineering drawings.

DDT 228. GEOGRAPHIC INFORMATION SYSTEMS: 3 Credit Hours – 5 Contact Hours per week
This course is designed as an introduction to the world of G.I.S. and what it's about and builds on the skills attained in Civil Drafting I and II. Emphasis will be placed on utilizing G.I.S. software in conjunction with a CAD program to produce "intelligent" maps tied to a database in solving complex projects and problems. Upon completion, students should be able to manipulate attributed objects drawn on CAD/GIS software and accurately produce basic G.I.S. drawings.

DDT 231 Advanced CAD: 3 Credit Hours – 5 Contact Hours per week
Prerequisite: DDT 127 or Permission of Instructor
This course allows the student to plan, execute, and present results of individual projects in Advanced CAD topics. Emphasis is placed on enhancing skill attainment in Advanced CAD skill sets. The student will be able to demonstrate and apply competencies identified and agreed upon between the student and instructor

DDT 232 CAD Customization: 3 Credit Hours – 5 Contact Hours per week
Prerequisite: DDT 104, DDT 111, DDT 144
This course introduces the various methods of customizing CAD software to meet individual or company needs. Topics include menu customizing, programming, custom command macros, script files, slides, and slide libraries. Upon completion, students should be able to customize and write menus, write programming routines, and write script files for the purpose of increasing the efficiency of the CAD operator.

DDT 233 Intermediate 3D Modeling: 3 Credit Hours – 5 Contact Hours per week
Prerequisite: DDT 144 or permission of instructor
This course emphasizes the more advanced techniques in 3D solid modeling. It covers advanced features of part creation, part editing, and analysis. Some techniques that will be discussed are: lofting, sweeping, sheet metal part creation, interference checking and stress analysis. Upon completion of the course students should be able to create advanced 3D models and perform stress analysis/interference checking.

DDT 234 3D Graphics and Animation: 3 Credit Hours – 5 Contact Hours per week
Prerequisite: DDT 144 or Permission of Instructor
This course is designed to challenge the imagination of the student in a computer generated three-dimensional problem-solving environment. The student will be given a basic introduction to the concepts of 3D design and animation, and then apply those concepts to a design project. Upon completion, students should be able to create and animate objects in a 3-dimensional environment.

DDT 235 Specialized CAD: 3 Credit Hours – 5 Contact per Week
Prerequisite: None
This course allows the student to plan, execute, and present results of individual projects in Specialized CAD topics. Emphasis is placed on enhancing skill attainment in Specialized CAD skill sets. The student will be able to demonstrate and apply competencies identified by the instructor.

DDT 236 Design Project: 3 Credit Hours – 5 Contact Hours per week
Prerequisite: Permission of instructor
This course is designed for advanced students who aspire to more advanced and specialized skills in one certain drafting area. Emphasis will be placed on the student's ability to apply the principles learned in previous drafting classes in one special area, as approved by the instructor. The required project must be agreed upon by the instructor and the student, as well as how the work is to be accomplished. Upon completion, students will further reinforce previously learned concepts by applying engineering principles and controls to a personal design project.

DDT 237 Current Topics in CAD: 3 Credit Hours – 5 Contact Hours per week
Prerequisite: DDT 104 or permission of instructor
This course allows the student to plan, execute, and present results of individual projects relating to the Current topics in CAD. Emphasis is placed on attainment of skills related to changes in current CAD technology. The student will be able to demonstrate and apply competencies identified by the instructor.

DDT 244 Advanced 3D Modeling: 3 Credit Hours – 5 Contact Hours per week
Prerequisite: DDT 233
This course is designed to challenge the imagination of the student in a three dimensional problem-solving environment using solids modeling software. Upon completion, a student should be able to create parts in 3D models, produce working drawings and understand basic simulations.

DDT 260. PORTFOLIO: 3 Credit Hours – 5 Contact Hours per week
This course includes the preparation of technical and/or architectural drawings for a portfolio presentation and a resume for portfolio presentation. Hard copy drawings as well as electronic will be discussed, finalized, and developed for presentation. Upon completion, students should be able to prepare and produce a portfolio for presentation. This course includes the preparation of artwork and resume for portfolio presentation. Topics include production of a resume and portfolio for presentation during the last semester of course work. Upon completion, students should be able to prepare and produce a resume and portfolio for presentation in both hard copy as well as electronic copy.

DDT 271. DRAFTING INTERNSHIP: 3 Credit Hours – 6 Contact Hours per week
This course allows credit for substantial on-the-job experience within the field of Drafting and Design Technology.

DNC - DANCE

DNC 110 Introduction to Dance Styles: 2 credits
Prerequisite: None
Introduction to dance styles. Code B

DNC 111 Elementary Modern Dance I: 2 credits
Prerequisite: None
A studio course in modern dance technique at the elementary level. Code B

DNC 112 Elementary Modern Dance II: 2 credits
Prerequisite: DNC 111
Continuation of Elementary Modern Dance I, preparing the student for Intermediate Modern Dance. Code B

ECO - ECONOMICS

ECO 231 Principles of Macroeconomics: 3 credits
Prerequisite: None
This course is an introduction to macroeconomic theory, analysis and policy applications. Topics include the following: scarcity, demand and supply, national income analysis, major economic theories concerning monetary and fiscal policies as stabilization measures, the banking system, and other economic issues or problems including international trade. Code A

ECO 232 Principles of Microeconomics: 3 credits
Prerequisite: None
This course is an introduction of the microeconomics theory, analysis, and applications. Topics include scarcity, the theories of consumer behavior, production and cost, markets, output and resource pricing, and international aspects of microeconomics. Code A

EMS – EMERGENCY MEDICAL TECHNOLOGY

EMS 100 Cardiopulmonary Resuscitation I: 1 credit
Prerequisite: None
This course provides students with concepts as related to areas of basic life support to include coronary artery disease, prudent heart living, symptoms of heart attack, adult one-and-two rescuer CPR, first aid for choking, pediatric basic life support, airway adjuncts, EMS system entry access, automated external defibrillation (AED), and special situations for CPR. Upon course completion, students should be able to identify situations requiring action related to heart or breathing conditions and effectively implement appropriate management for each condition. Students successfully completing this course will receive appropriate documentation of course completion.

ENG - ENGLISH

ENG 080 English Laboratory: 1 Institutional credit
Prerequisite: None
This course, which may be repeated as needed, provides students with a laboratory environment where they can receive help from qualified instructors on English assignments at the developmental level. Emphasis is placed on one-to-one guidance to supplement instruction in English courses. A student's success in this course is measured by success in those other English courses in which the student is enrolled.

ENG 092 Basic English I: 3 Institutional credits
Prerequisite: None
This course is a review of basic writing skills and basic grammar. Emphasis is placed on the composing process of sentences and paragraphs in standard American written English. Students will demonstrate these skills chiefly through the writing of well-developed, multi-sentence paragraphs.

ENG 093 Basic English II: 3 Institutional credits
Prerequisite: A grade of "SC" (Satisfactory C) or higher in ENG 092 or appropriate English placement score. This course is a review of composition skills and grammar. Emphasis is placed on coherence and use of a variety of sentence structures in the composing process and standard American written English usage. Students will demonstrate these skills chiefly through the writing of paragraph blocks and short essays.

ENG 101 English Composition I: 3 credits
Prerequisite: Successful completion of ENG 093; or appropriate placement score; or a score of 20 or better on the ACT (or equivalent SAT score)
English Composition I provides instruction and practice in the writing of at least six extended compositions and the development of analytical and critical reading skills and basic reference and documentation skills in the composition process. English Composition I may include instruction and practice in library usage. Code A

ENG 102 English Composition II: 3 credits
Prerequisite: A grade of "C" or better in ENG 101 or the equivalent
English Composition II provides instruction and practice in the writing of six formal, analytical essays, at least one of which is a research project using outside sources and/or references effectively and legally. Additionally, English Composition II provides instruction in the development of analytical and critical reading skills in the composition process. English Composition II may include instruction and practice in library usage. Code A

ENG 131 Applied Writing I: 3 credits
Prerequisite: Appropriate placement score or the equivalent (ENG 092)
This course is a study of various types of written documents required in scientific, technical, and other specialized fields. Emphasis is placed on the production of such documents, including

research, documentation, graphical displays, the abstract, appropriate diction, grammar, punctuation, and audience. Students will demonstrate the ability to produce effective reports, letters, memoranda, and similar documents. Code C

ENG 251 American Literature I: 3 credits
Prerequisite: A grade of "C" or higher in ENG 102 or the equivalent
This course is a survey of American literature from its inception to the middle of the nineteenth century. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. Code A

ENG 252 American Literature II: 3 credits
Prerequisite: A grade of "C" or higher in ENG 102 or the equivalent
This course is a survey of American literature from the middle of the nineteenth century to the present. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. Code A

ENG 261 English Literature I: 3 credits
Prerequisite: A grade of "C" or higher in ENG 102 or the equivalent
This course is a survey of English literature from the Anglo-Saxon period to the Romantic Age. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. Code A

ENG 262 English Literature II: 3 credits
Prerequisite: A grade of "C" or higher in ENG 102 or the equivalent
This course is a survey of English literature from the Romantic Age to the present. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. Code A

ENG 271 World Literature I: 3 credits
Prerequisite: A grade of "C" or higher in ENG 102 or the equivalent
This course is a study of selected literary masterpieces from Homer to the Renaissance. Emphasis is placed on major representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the

aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. Code A

ENG 272 World Literature II: 3 credits
Prerequisite: A grade of "C" or higher in ENG 102 or the equivalent
This course is a study of selected literary masterpieces from the Renaissance to the present. Emphasis is placed on major representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. Code A

ENG 277 Classical Mythology: 3 credits
Prerequisite: ENG 102 or equivalent
This course is a study of Greek and Roman mythology and the influence of classical mythology on Western literature. Emphasis is placed on various classical myths and on the influence on Western literature of these myths. Students will demonstrate through tests and paper an understanding of classical myths and their relationship to Western literature.
Code C

GEO - GEOGRAPHY

GEO 100 World Regional Geography: 3 credits
Prerequisite: None.
This course surveys various countries and major regions of the world with respect to location and landscape, world importance, political status, population, type of economy, and its external and internal organization problems and potentials. Code A

HED – HEALTH EDUCATION

HED 221 Personal Health: 3 credits
Prerequisite: None
This course introduces principles and practices of personal and family health; it includes human reproduction, growth and development; psychological dimensions of health, human sexuality, nutrition and fitness, aging, death and dying. Code B

HED 224 Personal and Community Health: 3 credits
Prerequisite: None
This course covers health problems for the individual and for the community. Areas of study include mental health, family life, physical health, chronic and degenerative diseases, control of

communicable diseases, and the understanding of depressants and stimulant. Healthful living habits will be emphasized. Code B

HED 226 Wellness: 2 credits
Prerequisite: None
This course provides health-related education to those individual seeking advancement in the area of personal wellness. The course has five major components: (1) fitness and health assessment, (2) physical work capacity, (3) education, (4) reassessment and (5) retesting. Code C

HED 230 Safety and First Aid: 3 credits
Prerequisite: None
HED 230 is divided into two parts. The first part concerns itself with the development of a safety education program within an organization (i.e., school, office, shop, etc.) The second part deals with physical injuries, emergency care, and treatment of those injuries. CPR certification and Standard Red Cross cards are given upon successful completion of the American Red Cross requirements. Code B

HED 231 First Aid: 3 credits
Prerequisite: None
This course provides instruction to the immediate, temporary care which should be given to the victims of accidents and sudden illness. It also includes standard and advanced requirements of the American Red Cross, and/or the American Heart Association. CPR training also is included. Code B

HIS - HISTORY

HIS 101 Western Civilization I: 3 credits
Prerequisite: None
This course is a survey of social, intellectual, economic, and political developments, which have molded the modern western world. This course covers the ancient and medieval periods and concludes in the era of the Renaissance and Reformation. Code A

HIS 102 Western Civilization II: 3 credits
Prerequisite: None
This course is a continuation of HIS 101; it surveys development of the modern western world from the era of the Renaissance and Reformation to the present. Code A

HIS 121 World History I: 3 credits
Prerequisite: None
This course surveys social, intellectual, economic, and political developments, which have molded the modern world. Focus is on both non-western and western civilizations from the prehistoric to the early modern era. Code A

HIS 122 World History II: 3 credits
Prerequisite: None
This course is a continuation of HIS 121; it covers world history, both western and non-western, from the early modern era to the present. Code A

HIS 201 United States History I: 3 credits
Prerequisite: None
This course surveys United States history during colonial, Revolutionary, early national and antebellum periods. It concludes with the Civil War and Reconstruction. Code A

HIS 202 United States History II: 3 credits
Prerequisite: None
This course is a continuation of HIS 201; it surveys United States history from the Reconstruction era to the present. Code A

HIS 220 Contemporary Studies: 3 credits
Prerequisite: None
This course provides a survey of contemporary problems and issues within a historical context. Topics might include nationalism, the rise of Islam as a powerful influence in the post-Cold War environment, environmental issues, and the impact of colonialism on modern, Third World Society. Code A

HIT – HEALTH INFORMATION TECHNOLOGY

HIT 254 Organizational Improvement: 3 Prerequisite: OAD 215 and OAD 216
This course is a study of the purpose and principles of improving organizational performance through quality assessment and utilization management. Topics include use of quality improvement tools; data collection, display, analysis, and reporting methods; resource and risk management techniques; healthcare statistics; and application of accreditation and licensing standards. Student outcomes include demonstrated proficiency in the use of quality improvement techniques and application of accrediting agency standards. Code C

HIT 296 Professional Practices Simulations (Internship): 3 credits
Prerequisite: OAD 215, OAD 216, and HIT 254
This course allows students to correlate the experience of previous courses with on-site, online, and on-campus simulations and learning experience. Emphasis is placed on application of all previous course work and orientation to all aspects of practice in a health information management department of a health care facility. Student competency is demonstrated by application of skills covered in theory and laboratory classes. Code C

HUM - HUMANITIES

HUM 299-01 PTK Honors Course I: 1 credit
Prerequisite: None
This course provides an opportunity for the student to study selected topics in the area of the humanities under the supervision of a qualified instructor. The specific topics will be determined by the interests of the students and faculty, and the course may be repeated for credit. Code A

HUM 299-02 PTK Honors Course II: 1 credit
Prerequisite: None
This course provides an opportunity for the student to study selected topics in the area of the humanities under the supervision of a qualified instructor. The specific topics will be determined by the interests of the students and faculty, and the course may be repeated for credit. Code A

HUM 299-03 PTK Honors Course III: 1 credit
Prerequisite: None
This course provides an opportunity for the student to study selected topics in the area of the humanities under the supervision of a qualified instructor. The specific topics will be determined by the interests of the students and faculty, and the course may be repeated for credit. Code A

IDS – INTERDISCIPLINARY STUDIES

IDS 102 Ethics: 3 credits
Prerequisite: None
This course introduces the student to the basic concepts, types and schools of moral theory, and illustrates how these may be applied to contemporary moral problems and ethical questions in academic, professional and social endeavors. Code C

IDS 115 Forum: 1 credit
Prerequisite: None
In this course, credit is given in recognition of attendance at academic lectures, concerts, and other events. IDS 115 requires attendance at designated events which are chosen from various lectures, cultural events and programs given at the college or in the community. IDS 115 may be repeated for credit. Code C

ILT – INDUSTRIAL ELECTRONICS TECHNOLOGY

ILT 100 Applied Electronic Computation: 3 credits
Prerequisite: None
This course is an applied mathematics and algebra course for students in electronics or similar programs. Topics include decimals, fractions, negative numbers, powers and roots, the metric systems, logarithms, applied trigonometry and algebra. Upon completion of this course a student will be able to perform applied mathematics calculations needed in Electronics.

ILT 108 Introduction to Instruments and Process Control: 3 credits
Prerequisite: None
This course is an introductory study of the control devices and methods used in industry for the control and transmission of information pertaining to process variables. This study includes an introduction to instrumentation and control mathematics. This course also provides instruction in the fundamental concepts of pressure, force, weight, motion, liquid level, fluid flow and temperature.

ILT 109 Electrical Blueprint Reading I: 3 credits
Prerequisite: None
This course will enable the student to obtain to a working knowledge of the elements of blueprint reading; the ability to interpret electrical, mechanical, and architectural drawing; and the ability to visualize the entire building structure in relationship to the electrical system.

ILT 110 Advanced Industrial Process Control Technology: 3 credits
Prerequisite: None
This course is an advanced study of the principles governing methods of using process variables in control of industrial processes. The study includes methods and procedures for measuring, displaying and transmitting process variables according to industry standards. The course also includes an in-depth study of mathematics pertaining to industrial control instruments.

ILT 117 Principles of Construction Wiring: 3 credits
Prerequisite: None
This course provides a study of the technical skills required to safely perform electrical wiring installations. Topics include methods of wiring residential, commercial, and industrial locations. Upon completion, students should be able to apply safe wiring skills to residential, commercial and industrial applications.

ILT 118 Construction Wiring NEC: 3 credits
Prerequisite: None
This course provides a study of the codes that is required to safely perform electrical wiring installations. Emphasis will be placed upon the codes that apply to residential, commercial, and industrial locations. Upon completion, students should be able to apply the codes in the electrical wiring of residential, commercial, and industrial applications.

ILT 127 Microcomputer Fundamentals: 3 credits
Prerequisite: None
This course provides the student with knowledge in installation of, and familiarization with the basic assemblies in microcomputer systems. Topics include DOS, hard drives and floppy drives, dip switches and RAM. Upon completion, students should be able to use DOS, format hard drives, floppy drives, configure circuit boards functions and install RAM.

ILT 128 Microcomputer Fundamentals Lab: 2 credits
Prerequisite: None
This lab focuses on the installation of basic assembles in microcomputer systems. Topics include DOS, hard drives and floppy drives, dipswitches, and RAM. Upon completion, students should be able to use DOS, format hard drives, floppy drives, configure circuit boards functions and install RAM.

ILT 135 Local Area Networks (LANS): 3 credits
Prerequisite: None
This course provides the student with knowledge of planning, installation, maintenance, and administration of local area networks. Upon completion of this course, students should be able to install and set-up a basic local area network.

ILT 148 Automatic Controls Systems: 3 credits
Prerequisite: None
This course emphasizes automated control systems and subsystems. Topics include robotics, programmable hydraulics, pneumatic, microprocessor, variable-speed drives, transducers, and related control circuitry with emphasis on troubleshooting the total system. Upon completion, students should be able to apply principles of automated control systems.

ILT 149 Automatic Controls Systems Lab: 2 credits
Prerequisite: None
This lab emphasizes robotics, programmable hydraulics/pneumatic, microprocessors, variable-speed drives, transducers, and related control circuitry with emphasis on troubleshooting the total system. Upon completion, students should be able to apply principles of automated control systems.

ILT 160 DC Fundamentals: 3 credits
Prerequisite: None
This course provides a study of atomic theory, direct current (DC), properties of conductors and insulators, direct current characteristics of series, parallel, and series parallel circuits. Inductors and capacitors are introduced and their effects on DC circuits are examined. Students are prepared to analyze complex DC circuits, solve for unknown circuits variables and to use basic electronic test equipment. This course also provides hands on laboratory exercises to analyze, construct, test, and troubleshoot direct current circuits. Emphasis is placed on the use of scientific calculator and the operation of common test equipment used to analyze and troubleshoot DC and to prove the theories taught during classroom instruction.

ILT 161 AC Fundamentals: 3 credits
Prerequisite: None
This course provides a study of the theory of alternating current (AC). Students are prepared to analyze complex AC circuit configurations with resistor, capacitors, and inductors in series and parallel combinations. Upon completion, students should be able to describe AC circuits and explain the function of AC such as RLC impedance, phase relationships and power factor, This course also provides hands on laboratory exercises to analyze alternating current using a variety of circuit configurations with resistors, capacitors, and inductors in series and parallel combinations. Emphasis is placed on the operation of common test equipment used to analyze and trouble shoot AC circuits to prove the theories taught.

ILT 162 Solid State Fundamentals: 3 credits
Prerequisite: None
This course provides instruction in basic solid state theory beginning with atomic structure and including devices such as diodes, bipolar transistor, field effect transistors, amplifiers, thyristors, operational amplifiers, oscillator and power supply circuits. Emphasis is placed on the practical application of solid-state devices, proper biasing and amplifier circuit analysis and the use of test equipment to diagnose, troubleshoot and repair typical solid -state device circuits. This course also provides the opportunity for students to apply the solid-state principles and theories learned in class in the laboratory setting. Emphasis is placed on the practical application of solid-state devices, proper biasing and amplifier circuit analysis and the use of test equipment to diagnose, troubleshoot and repair typical solid-state device circuits.

ILT 163 Digital Fundamentals: 3 credits
Prerequisite: None
This course provides instruction on basic logic gates, flip-flops, registers, counter, microprocessor/computer fundamentals, analog to digital conversion, and digital analog conversion. Emphasis is placed on number systems, Boolean algebra, combination logic circuits, sequential logic circuits, and typical microprocessor data manipulation and storage. This course also has an embedded lab with exercises designed to develop skills required by industry. Upon completion, students should be able to analyze digital circuits, draw timing diagrams, determine output of combinational and sequential logic circuits and diagnose and trouble shoot electronic components as well as demonstrate knowledge of microprocessor and computer circuits.

ILT 164 Circuit Fabrication I: 1 credit
Prerequisite: None
This course provides instruction in fabrication of functional circuits and is an introduction to device construction and fabrication. Utilizing discrete components students will fabricate functional circuits. Topics include soldering, cable construction, coaxial cable connection and termination, component mounting, cases, and chassis, printed circuit board design, layout fabrication, and repair as well as soldering techniques, care of tools, wire splicing, wire wrapping, connector maintenance, and related shop safety. Upon completion of this course, students should be able to perform basic circuit and project construction.

ILT 165 Industrial Electronic Controls I: 3 credits
Prerequisite: None.
This course provides a study of industrial electronics controls. Topics include photo-electric, temperature, gas and humidity, pressure and strain measurements for industrial instrumentation controls and applications. The lab enables students to test, troubleshoot and repair electronic control circuits. Upon completion, students should be able to apply principles of industrial electronics control circuits.

ILT 166 Motors and Transformers I: 3 credits
Prerequisite: None
This course covers motor operation, motor types, motor components, motor feeder and branch circuits. Topics include motor protection and motor control circuits. The lab enables to test motors, transformer types, and testing for input and output voltage. Upon completion students should be able to test motors, transformer types, and testing for input and output voltage.

ILT 169 Hydraulics/Pneumatics: 3 credits
Prerequisite: None
This course provides an introduction to hydraulics/pneumatics. Topics include hydraulic pumps, pneumatic compressors work and system components such as valves, filters, regulators, actuators, accumulators, and lubricators. The lab enables students to test, troubleshoot and repair hydraulic pumps, pneumatic compressors work and system components such as valves, filters, regulators, actuators, accumulators, and lubricators. Upon completion, students will be able to apply principles of hydraulics/pneumatics.

ILT 179 Wireless Communication Devices: 3 credits
Prerequisite: None
This course is an introduction course to wireless communication technologies and applications in support of networked structures. Wireless device specification, integration, configuration, and utilization of IEEE 802. 11x compliant communication equipment and their integration into the support of WAN and LAN structures commonly found in corporate, industrial automotive (telematics), or commercial platforms will be the main emphasis of this course. Specific wireless communication theory concerning wireless boundaries, security and encryption methods, and quality of service measurements will be discussed along with WAN/LAN expansion and limitations from a system design prospective.

ILT 180 Special Topics: 3 credits
Prerequisite: None
This course is designed to allow students an opportunity to study directly related topics of particular interest, which require the application of technical knowledge and technical skills. Emphasis is placed on the application of skills and knowledge with practical experiences. Upon completion, students should be able to solve job related problems using technical skills and knowledge.

ILT 181 Special Topics in ILT: 3 credits
Prerequisite: None
This course provides a guided independent study of special topics in ILT. The student and instructor design the plan of study. Upon completion, students should be able to demonstrate skills developed in these courses.

ILT 192 Co-Op In ILT: 3 credits
Prerequisite: None
These courses provide students with relevant work experience in business/industry. Emphasis is placed on production in a work setting. Upon completion, students should be able to identify job responsibilities and to demonstrate skills necessary to entry-level employment.

ILT 194 Introduction to Programmable Logic Controllers: 3 credits
Prerequisite: None
This course provides an introduction to programmable logic controllers. Emphasis is placed on, but not limited to, the following: PLC hardware and software, numbering systems, installation, and programming. Upon completion, students must demonstrate their ability by developing, loading, debugging, and optimizing PLC programs.

ILT 196 Advanced Programmable Logic Controllers: 3 credits
Prerequisite: None
This course includes the advanced principles of PLC's including hardware, programming, and troubleshooting. Emphasis is placed on developing advanced working programs, and troubleshooting hardware and software communication problems. Upon completion, students should be able to demonstrate their ability in developing programs and troubleshooting the system.

ILT 201 Industrial Electronics: 3 credits
Prerequisite: None
This course covers applications of electronics in the industry with a major emphasis on microprocessors as applied to data acquisition and machine control. Topics include A/D and D/A conversion, signal conditioning, sensors and transducers, control devices, stepper motors, and microprocessor interfacing. Upon completion of this course, students should be able to describe the operation of various sensors, signal conditioning, A/D and D/A conversion, and control devices, as well as, perform necessary calculations.

ILT 202 Industrial Electronics Lab: 2 credits
Prerequisite: None
This course demonstrates the concepts, devices, and applications of electronics in industrial processes. Upon completion of this course, students should be able to construct, evaluate, and calibrate basic industrial sensing and control circuits.

ILT 203 Biomedical Electronics I: 3 credits
Prerequisite: None
This course includes the technical information necessary in learning to repair biomedical equipment. Topics include: the human body, electrodes and transducers, bioelectric amplifiers,

physiological pressure measurements, and electrical and patient safety. Upon completion of this course, students should be able to describe the operation of various circuits and systems commonly found in biomedical equipment.

ILT 204 Biomedical Electronics II: 3 credits
Prerequisite: None
This course combines theory gained from Biomedical Electronics I for a deeper understanding of biomedical equipment troubleshooting. Topics include: respiratory therapy instrumentation, intensive and coronary care unit instrumentation, operating room instrumentation, medical laboratory instrumentation, and electrical safety. Upon completion of this course, students should be able to describe the operation of various circuits and systems commonly found in biomedical equipment.

ILT 209 Motor Controls I: 3 credits
Prerequisite: None
This course covers the use of motor control s symbols, magnetic motor starters, running overload protection, push-button stations, sizing of magnetic motor starters and overload protection, and complex ladder diagrams of motor control circuits. Topics include sizing magnetic starters and overload protection, the use of push-button stations, ladder diagrams, and magnetic motor starters in control of electric motors, wye-delta starting, part start winding, resistor starting and electric starting devices. Upon completion, students should be able to understand the operation of motor starters, overload protection, interpret ladder diagrams using push-button stations and understanding complex motor control diagrams.

ILT 218 Industrial Robotics Concepts: 3 credits
Prerequisite: None
This course provides instruction in concepts and theories for the operation of robotic servo motors and power systems used with industrial robotic equipment. Emphasis is on the application of the computer to control power systems to perform work. Student competencies include understanding of the functions of hydraulic, pneumatic, and electrical power system components, ability to read and interpret circuitry for proper troubleshooting and ability to perform preventative maintenance.

ILT 226 BMET Certification Preparation: 3 credits
Prerequisite: None
This course includes the information necessary for the successful completion of the Technician certification examination given by the International Certification Commission for biomedical equipment technology. Upon completion of this course, students should understand the preparation necessary to successfully complete the exam process.

ILT 227 National Electric Code: 2 credits
Prerequisite: None
The course provides in-depth study of safety procedures according to the National Electrical Code. Topics include residential, commercial, and industrial wiring procedures. Upon completion, students should be able to apply principles of National Electrical Code Manual to specific residential, commercial, and industrial applications.

ILT 229 PC Repair: 3 credits
Prerequisite: None
This course covers the repair of personal computers including hardware and software problems. Proper procedures for circuit card handling and replacement, installation of various drivers and installation of software are covered. This course helps prepare the student for the A+ certification. Upon completion of this course, the student should be able to explain the proper procedures used in handling and replacing circuit cards, drives, memory and installing software.

ILT 230 Computer Repair Lab: 2 credits
Prerequisite: None
Co-requisite: ILT 229.
This course allows the student to practice using the proper procedure discussed in the theory course. Students will repair computers following the proper procedures covered. This course will help prepare the student for the A+ certification. Upon completion of this course, the student should be able to repair a personal computer.

ILT 231 National Electric Code: 3 credits
Prerequisite: None.
This course introduces students to the National Electric Code. Emphasis is placed on locating and interpreting needed information within the NEC code manual. Upon completion of this course, the student should be able to locate code requirements for a specific electrical installation.

ILT 239 Certification Preparation: 3 credits
Prerequisite: None
This course includes the review necessary before attempting technician certification examinations given by various non-government certifying organizations and pre-employment tests given by employers. Upon completion of this course students should understand the preparations necessary to successfully complete the exam process.

ILT 269 Introduction to Networking: 3 credits
Prerequisite: Permission of Instructor
Co-requisite: ILT 270
This course is a study of the basic concepts of LAN and WAN. Topics include topologies, media, computer hardware and software used in networking. Network administrative procedures and security techniques will be introduced and observed.

ILT 270 Introduction to Networking Lab: 2 credits
Prerequisite: Permission of Instructor
Co-requisite: ILT 269
This course provides students the working knowledge of networks by installing a LAN including cables and other hardware, as well as software. Planning and implementation of the network will be documented using current networking standards. This is designed to introduce students to the hands-on procedures for basic network set-up.

ILT 280 Special Topics: 3 credits
Prerequisite: None
This course is designed to allow students an opportunity to study directly related topics of particular interest, which require the application of technical knowledge and technical skills. Emphasis is placed on the application of skills and knowledge with practical experiences. Upon completion, students should be able to solve job related problems using technical skills and knowledge.

ILT 281 SPECIAL TOPICS FOR INDUSTRIAL ELECTRONICS I: 3 credits
Prerequisite: None
This course is designed to allow students an opportunity to study directly-related topics of particular interest which require the application of technical knowledge and technical skills. Emphasis is placed on the application of skills and knowledge with practical experiences. Upon completion, students should be able to solve job related problems using technical skills and knowledge.

ILT 289 Cooperative Education: 1 credit
Prerequisite: None
This course provides student work experience with a college-approved employer in an area directly related to the student's program of study. Emphasis is placed on integrating classroom experiences with work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

ILT 290 Cooperative Education: 2 credits
Prerequisite: None
This course provides students work experience with a college-approved employer in an area directly related to the student's program of study. Emphasis is placed on integrating classroom experiences with work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

ILT 291 Cooperative Education: 3 credits
Prerequisite: None
This course provides students work experience with a college-approved employer in an area directly related to the student's program of study. Emphasis is placed on integrating classroom experiences with work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

ILT 292 Cooperative Education: 3 credits
Prerequisite: None
This course provides students work experience with a college-approved employer in an area directly related to the student's program of study. Emphasis is placed on integrating classroom experiences with work experience. Upon completion, students should be able to evaluate career

selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

ILT 293 Cooperative Education: 3 credits
Prerequisite: None
This course provides students work experience with a college-approved employer in an area directly related to the student's program of study. Emphasis is placed on integrating classroom experiences with work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

ILT 294 Biomedical Electronics Clinical I: 3 credits
Prerequisite: None
Student will be assigned to a local hospital facility, working in the technical capacity as a biomedical electronic technician trainee. Upon completion of this course, students have gained experience as a biomedical equipment technician.

ILT 295 Biomedical Electronics Clinical II: 3 credits
Prerequisite: None
This course is a continuation of Clinical On-site Study I. Student will be assigned to local hospital facility, working in the technical capacity as a biomedical electronic technician trainee. Upon completion of this course, students have gained experience as a biomedical equipment technician.

INT – INDUSTRIAL MAINTENANCE TECHNOLOGY

INT 101 DC Fundamentals: 3 credits
Prerequisite: None
This course provides a study of atomic theory, direct current (DC), properties of conductors and insulators, direct current characteristics of series, parallel, and series parallel circuits. Inductors and capacitors are introduced and their effects on DC circuits are examined. Students are prepared to analyze complex DC circuits, solve for unknown circuits variables and to use basic electronic test equipment. This course also provides hands on laboratory exercises to analyze, construct, test, and troubleshoot direct current circuits. Emphasis is placed on the use of scientific calculator and the operation of common test equipment used to analyze and troubleshoot DC and to prove the theories taught during classroom instruction.

INT 103 AC Fundamentals: 3 credits
Prerequisite: None
This course provides a study of the theory of alternating current (AC). Students are prepared to analyze complex AC circuit configurations with resistor, capacitors, and inductors in series and parallel combinations. Upon completion, students should be able to describe AC circuits and explain the function of AC such as RLC, impedance, phase relationships and power factor. This course also provides hands on laboratory exercises to analyze alternating current using a variety

of circuit configurations with resistors, capacitors, and inductors in series and parallel combinations. Emphasis is placed on the operation of common test equipment used to analyze and troubleshoot AC circuits to prove the theories taught.

INT 105 Introduction to Process Technology: 3 credits
Prerequisite: None
This course is designed to provide students with an introduction to process control technology and various instruments used to control processes. Upon completion, students should be able to comprehend principles of process control technology and the application of various instruments used to control processes in an industrial setting.

INT 112 Industrial Maintenance Safety Procedures: 3 credits
Prerequisite: None
This course is an in-depth study of the health and safety practices required for maintenance of industrial production equipment. Topics include traffic, ladder, electrical, and fire safety, safe work in confined spaces, electrical and mechanical lockout procedures, emergency procedures, OSHA regulations, MSDS Right-to-Know law, hazardous materials safety, and safety equipment use and care. Upon course completion, students will be able to implement health and safety practices in an industrial production setting.

INT 113 Industrial Motor Control I: 3 credits
Prerequisite: None
This course focuses on information regarding industrial motor controls and basic information regarding process logic controllers. Upon completion students will be able to remove, replace, and wire different types of control devices for operating industrial motors.

INT 117 Principles of Industrial Mechanics: 3 credits
Prerequisite: None
This course provides instruction in basic physics concepts applicable to mechanics of industrial production equipment. Topics include the basic application of mechanical principles with emphasis on power transmission, specific mechanical components, alignment, and tension. Upon completion, students will be able to perform basic troubleshooting, repair and maintenance functions on industrial production equipment.

INT 118 Fundamentals of Industrial Hydraulics and Pneumatics: 3 credits
Prerequisite: None
This course includes the fundamental concepts and theories for the safe operation of hydraulic and pneumatic systems used with industrial production equipment. Topics include the physical concepts, theories, laws, air flow characteristics, actuators, valves, accumulators, symbols, circuitry, filters, servicing safety, and preventive maintenance and the application of these concepts to perform work. Upon completion, students should be able to service and perform preventive maintenance functions on hydraulic and pneumatic systems.

INT 119 Principles Mechanical Measurement and Technical Drawing: 3 credits
Prerequisite: None
This course provides instruction in the use of precision measuring tools and the interpretation of technical drawings. Topics include the use of calipers, micrometers, steel rules, dial indicators, identifying types of lines and symbols of technical drawings, recognition and interpretation of various types of views, tolerances, and dimensions. Upon course completion, students will be able to use precision measuring tools and interpret technical drawings.

INT 121 Industrial Hydraulics Troubleshooting: 3 credits
Prerequisite: None
This course provides instruction in maintenance and troubleshooting procedures needed for safe and proper repair of hydraulic systems used with industrial production equipment. Topics include maintenance and troubleshooting procedures, hydraulic system maintenance and troubleshooting techniques, effects of heat, leakage, and contamination on components and system operation, component maintenance and troubleshooting, reading and interpreting system diagrams, and design and troubleshooting of hydraulic circuits and systems. Upon course completion, students will demonstrate the ability to troubleshoot and repair industrial hydraulic systems.

INT 126 Preventive Maintenance: 3 credits
Prerequisite: None
This course focuses on the concepts and applications of preventive maintenance. Topics include the introduction of alignment equipment, job safety, tool safety, preventive maintenance concepts, procedures, tasks, and predictive maintenance concepts. Upon course completion, students will demonstrate the ability to apply proper preventive maintenance and explain predictive maintenance concepts.

INT 127 Principles of Industrial Pumps and Piping Systems: 3 credits
Prerequisite: None
This course provides instruction in the fundamental concepts of industrial pumps and piping systems. Topics include pump identification, operation, and installation, maintenance and troubleshooting, and piping systems, and their installation. Upon course completion, students will be able to install, maintain, and troubleshoot industrial pumps and piping systems.

INT 134 Principles of Industrial Maintenance Welding and Metal Cutting Techniques: 3 credits
Prerequisite: None
This course provides instruction in the fundamentals of acetylene cutting and the basics of welding needed for the maintenance and repair of industrial production equipment. Topics include oxy-fuel safety, choice of cutting equipment, proper cutting angles, equipment set-up, cutting plate and pipe, hand tools, types of metal welding machines, rod and welding joints, and common welding passes and beads. Upon course completion, students will demonstrate the ability to perform metal welding and cutting techniques necessary for repairing and maintaining industrial equipment.

INT 153 Precision Machining Fundamentals I: 3 credits
Prerequisite: None
This course focuses on metal cutting machines used to make parts and tools. Topics include lathes, mills, drills, and presses. Upon course completion, students will have the ability to use precision measurement instruments and to read mechanical drawings.

INT 158 Industrial Wiring I: 3 credits
Prerequisite: None
This course focuses on principles and applications of commercial and industrial wiring. Topics include, electrical safety practices, an overview of National Electric Code requirements as applied to commercial and industrial wiring, conduit bending, circuit design, pulling cables, transformers, switch gear, and generation principles.

INT 180 Special Topics: 2 credits
Prerequisite: None
This course is designed to allow students an opportunity to study directly related topics of particular interest, which require the application of technical knowledge and technical skills. Emphasis is placed on the application of skills and knowledge with practical experiences. Upon completion, students should be able to solve job related problems using technical skills and knowledge.

INT 184 Introduction to Programmable Logic Controllers: 3 credits
Prerequisite: None
This course provides an introduction to programmable logic controllers. Emphasis is placed on, but not limited to, the following: PLC hardware and software, numbering systems, installation, and programming. Upon completion, students must demonstrate their ability by developing, loading, debugging, and optimizing PLC programs.

INT 206 Industrial Motors I: 3 credits
Prerequisite: None
This course focuses on basic information regarding industrial electrical motors. Upon completion students will be able to troubleshoot, remove, replace, and perform routine maintenance on various types of motors.

INT 288 Applied Principles of Programmable Controllers: 3 credits
Prerequisite: None
This course provides a comprehensive study in the theory and application of specific models of programmable logic controllers. Topics include hardware configuration, memory and addressing detail function of software, instruction types, system troubleshooting, and simple programming techniques.

MSP – MACHINE SHOP TECHNOLOGY

MSP 101 Basic Machining Technology: 5 credits
Prerequisite: None
This course introduces machining operations as they relate to the metalworking industry. Topics include machine shop safety, measuring tools, lathes, drilling machines, saws, milling machines, bench grinders, and layout instruments. Upon completion, students should be able to safely perform the basic operations of measuring, layout, drilling, sawing, turning, and milling. **CORE**

MSP 102 Intermediate Machining Technology: 5 credits
Prerequisite: MSP 101
This course provides additional instruction and practice in use of precision measuring tools, lathes, milling machines, and grinders. Emphasis is placed on set-up and operation of machine tools including the selection and use of work holding devices, speeds, feeds, cutting tools, and coolant. Upon completion, students should be able to perform basic procedures on precision grinders and advanced operations of measuring, layout, drilling, sawing, turning, and milling.

MSP 103 Advanced Machining Technology: 5 credits
Prerequisite: MSP 101
This course provides an introduction to advanced and special machining operations. Emphasis is placed on working to specified tolerances with special and advanced set-ups. Upon completion, students should be able to produce a part to specifications.

MSP 104 Basic Machining Calculations: 2 credits
Prerequisite: None
This course introduces basic calculations as they relate to machining occupations. Emphasis is placed on basic calculations and their applications in the machine shop. Upon completion, should be able to perform basic shop calculations.

MSP 105 Lathes: 3 credits
Prerequisite: None
This course covers the operations and safety practices for engine lathes. Topics include turning, grinding, boring, chamfering, necking, grooving, and threading. Upon completion, students should be able to safety operate an engine lathe using appropriate attachments.

MSP 107 Milling Machines: 3 credits
Prerequisite: None
This course covers manual milling operations. Emphasis is placed on related safety, types of milling machines and their uses, cutting speed, feed calculations, and set-up and operation procedures. Upon completion, students should be able to apply manual vertical milling techniques to produce machine tool projects.

MSP 111 Introduction to Computer Numerical Control: 2 credits
Prerequisite: None
This course introduces the concepts and capabilities of computer numeric control (CNC) machine tools. Topics include set-up, operation, and basic applications. Upon completion, students should be able to develop a basic CNC program to safely operate a lathe and milling machine.

MSP 112 Basic Computer Numerical Control Turning: 3 credits
Prerequisite: None
This course introduces the programming, set-up, and operation of CNC turning centers. Topics include programming formats, control functions, program editing, part production, and inspection. Upon completion, students should be able to manufacture simple parts using CNC turning centers.

MSP 121 Basic Blueprint Reading for Machinists: 2 credits
Prerequisite: None
This course covers the basic principles of blueprint reading and sketching. Topics include multi-view drawings; interpretation of conventional lines; and dimensions, notes, and thread notations. Upon completion, students should be able to interpret basic drawings, visualize parts, and make pictorial sketches.

MSP 125 Introduction to Machine Shop Technology: 3 credits
Prerequisite: None

This course introduces precision machining processes as they relate to the metalworking industry. Topics include machine shop safety, precision measuring tools, lathes, drilling machines, saws, milling machines, bench grinders, and layout instruments. Upon completion, students should be able to safely perform basic measurement and layout, drilling, sawing, turning, and milling to make parts and tools.

MSP 131 Introduction to Metrology: 2 credits
Prerequisite: None
This course introduces the care and use of precision measuring instruments. Emphasis is placed on the inspection of machine parts and use of a wide variety of measuring instruments. Upon completion, students should be able to demonstrate the correct use of measuring instruments.

MSP 132 Grinding Machines: 3 credits
Prerequisite: MSP 101
This course provides instruction and practice in the use of grinding machines. Emphasis is placed on construction, operation, and maintenance of grinding machines. Upon completion, students should be able to perform essential procedures on grinding machines.

MSP 142 Advanced Machining Calculations: 2 credits
Prerequisite: MSP 104
This course emphasizes advanced calculations common to machining operations. Students use these calculations for advanced applications for machine set-up and planning. Specific topics

include positive and negative numbers, symbolism, and algebraic expressions and operations. At the conclusion of this course students will be able to apply advanced machine calculations to equipment set-up and planning.

MSP 171 Intermediate Blueprint Reading: 2 credits
Prerequisite: None
This course will build on Basic Blueprint Reading for Machinists. Topics include auxiliary and sectional views, tolerancing methods, symbols, and arrangement of views.

MSP 181 Special Topics in Machine Shop Technology: 2 credits
Prerequisite: None
This course is a guided independent study of special projects in Machine Shop Technology. Emphasis is placed on student needs. Upon completion, students should be able to demonstrate skills developed to meet specific needs.

MSP 182 Special Topics in Machine Shop Technology: 2 credits
Prerequisite: None
This course is a guided independent study of special projects in Machine Shop Technology. Emphasis is placed on student needs. Upon completion, students should be able to demonstrate skills developed to meet specific needs.

MSP 281 Special Topics in Machine Shop Technology: 2 credits
Prerequisite: None
This course is a guided independent study of special projects in Machine Shop Technology. Emphasis is placed on student needs. Upon completion, students should be able to demonstrate skills developed to meet specific needs.

MSP 282 Special Topics in Machine Shop Technology: 2 credits
Prerequisite: None
This course is a guided independent study of special projects in Machine Shop Technology. Emphasis is placed on student needs. Upon completion, students should be able to demonstrate skills developed to meet specific needs.

MSP 292 Co-Op in Machine Shop Technology: 2 credits
Prerequisite: None
Student works on a part-time basis in a job directly related to Machine Shop Technology. The employer and supervising instructor evaluate students' progress. Upon completion, students will be able to apply skills and knowledge in an employment setting.

MCM – MASS COMMUNICATION

MCM 100 Introduction to Mass Communication: 3 credits
Prerequisite: None
This course provides the student with general study of mass communication and journalism. This course includes theory. Development, regulation, operation, and effects upon society.
Code B

MTH - MATHEMATICS

MTH 080 Mathematics Laboratory: 1 Institutional credit
Prerequisite: None
This course is designed to offer supplemental help to students in mathematics. Students work in a laboratory situation under qualified instructors. This course may be repeated as needed. Emphasis is on arithmetic and algebra as determined by the individual need of the students.

MTH 090 Basic Mathematics: 3 Institutional credits
Prerequisite: None
This is a developmental course reviewing arithmetical principles and computations designed to help the student's mathematical proficiency for selected curriculum entrance.

MTH 098 Elementary Algebra: 3 Institutional credits
Prerequisite: MTH 090 or appropriate mathematics placement score
This course is a review of the fundamental arithmetic and algebra operations. The topics include the numbers of ordinary arithmetic and their properties; integers and rational numbers; the solving of equations; polynomials and factoring; and an introduction to systems of equations and graphs.

MTH 100 Intermediate College Algebra: 3 credits
Prerequisite: MTH 092 or MTH 098 or appropriate mathematics placement score
This course provides a study of algebraic techniques such as linear equations and inequalities, quadratic equations, systems of equations, and operations with exponents and radicals. Functions and relations are introduced and graphed with special emphasis on linear and quadratic functions. This course does not apply toward the general core requirement for mathematics. Code B

MTH 103 Introduction to Technical Mathematics: 3 credits
Prerequisite: MTH 098 or appropriate mathematics placement score
This course is designed for the student in technology who needs basic arithmetic and algebraic skills. Right triangle trigonometric skills and applications will also be a focus. Code C

MTH 104 Plane Trigonometry: 3 credits
Prerequisite: MTH 100 or MTH 103 or appropriate mathematics placement score
This course is designed for the student in technology who needs an emphasis on solution of triangles, basic geometric and vector concepts, and complex numbers. Applications are emphasized. Code C

MTH 110 Finite Mathematics: 3 credits
Prerequisite: Minimum ACT Math score of 23 or College Algebra Compass Score of 25-45. An alternative to this is that the student should successfully pass with a C or higher (S if taken pass/fail) MTH 100, Intermediate College Algebra.

This course is intended to give an overview of topics in finite mathematics together with their application, and is taken primarily by students who are not majoring in science, engineering, commerce, or mathematics (i.e., students who are not required to take Calculus). This course will draw on and significantly enhance the student's arithmetic and algebraic skills. This course includes sets, counting, permutations, combinations, basic probability (including Baye's Theorem), and introduction to statistics (including work with Binomial Distributions and Normal Distributions), matrices and their applications to Markov chains and decision theory. Additional topics may include symbolic logic, linear models, linear programming, the simplex method and applications. Code A

MTH 112 Pre-calculus Algebra: 3 credits
Prerequisite: Minimum ACT Math score of 21 or College Algebra Compass Score of 25-45. An alternative to this is that the student should successfully pass with a C or higher (S if taken pass/fail) MTH 100, Intermediate College Algebra.

This course emphasizes the algebra of functions - including polynomial, rational, exponential, and logarithmic functions. The course also covers systems of equations and inequalities, quadratic inequalities, and the binomial theorem. Additional topics may include matrices, Cramer's Rule, and mathematical induction. Code A

MTH 113 Pre-calculus Trigonometry: 3 credits
Prerequisite: A minimum ACT Math score of 23 or College Algebra Compass Score of 46-100. An alternative to this is that the student should successfully pass with a C or higher (S if taken as pass/fail) MTH 112.

This course includes the study of trigonometric (circular functions) inverse trigonometric functions, and includes extensive work with trigonometric identities and trigonometric equations. The course also covers vectors, complex numbers, DeMoivre's Theorem, and polar coordinates. Additional topics may include conic sections, sequences, and using matrices to solve linear systems. Code A

MTH 115 Precalculus Algebra & Trigonometry: 4 credits
Prerequisite: A minimum ACT Math score of 21 or College Algebra Compass Score of 46-100 is required. An alternative to this is that the student should successfully pass MTH 100 with a C or higher and receive permission from the department chairperson.

This course is a one semester combination of Precalculus Algebra and Precalculus Trigonometry intended for superior students. The course covers the following topics: the algebra of functions (including polynomial, rational, exponential, and logarithmic functions), systems of equations and inequalities, quadratic inequalities, and the binominal theorem, as well as the study of trigonometric (circular functions) and inverse trigonometric functions, and includes extensive work with trigonometric identities and trigonometric equations, vectors, complex numbers, DeMoivre's Theorem, and polar coordinates.

MTH 116 Mathematical Applications: 3 credits
Prerequisite: MTH 090 or appropriate mathematics placement score
This course provides practical applications of mathematics and includes selected topics from consumer math and algebra. Some types included are integers, percent, interest, ratio and proportion, metric system, probability, linear equations, and problem solving. Code C

MTH 120 Calculus and Its Applications: 3 credits
Prerequisite: Prerequisite: A minimum ACT Math score of 23 or College Algebra Compass Score of 46-100. An alternative to this is that the student should successfully pass with a C or higher (S if taken as pass/fail) MTH 112.

This course is intended to give a broad overview of calculus and is taken primarily by students majoring in Commerce and Business Administration. It includes differentiation and integration of algebraic, exponential, and logarithmic functions and applications to business and economics. The course should include functions of several variables, partial derivatives (including applications), Lagrange Multipliers, L'Hospital's Rule, and multiple integration (including applications). Code A

MTH 125 Calculus I: 4 credits
Prerequisite: A minimum ACT Math score of 25 or College Algebra Compass Score of 46-100. An alternative to this is that the student should successfully pass with a C or higher MTH 113.

This is the first of three courses in the basic calculus sequence taken primarily by students in science, engineering, and mathematics. Topics include the limit of a function; the derivative of algebraic, trigonometric, exponential, and logarithmic functions; and the definite integral and its basic applications to area problems. Applications of the derivative are covered in detail, including approximations of error using differentials, maximum and minimum problems, and curve sketching using calculus. Code A

MTH 126 Calculus II: 4 credits
Prerequisite: A minimum prerequisite of high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score is required. An alternative to this is that the student should successfully pass with a C or higher MTH 125.
This is the second of three courses in the basic calculus sequence. Topics include vectors in the plane and in space, lines and planes in space, applications of integration (such as volume, arc length, work and average value), techniques of integration, infinite series, polar coordinates, and parametric equations. Code A

MTH 227 Calculus III: 4 credits
Prerequisite: MTH 126
This is the third of three courses in the basic calculus sequence. Topics include vector functions, functions of two or more variables, partial derivatives (including applications), quadric surfaces, multiple integration, and vector calculus (including Green's Theorem, Curl and Divergence, surface integrals, and Stokes' Theorem. Code A

MTH 231 Math for the Elementary Teacher I: 3 credits
Prerequisite: None
This course is designed to provide appropriate insights into mathematics for students majoring in elementary education and to ensure that students going into elementary education are more than proficient at performing basic arithmetic operations. Topics include logic, sets and functions, operations and properties of whole numbers and integers including number theory; use of manipulatives by teachers to demonstrate abstract concepts; and by students while learning these abstract concepts as emphasized in the class. Upon completion, students are required to demonstrate proficiency in each topic studied as well as to learn teaching techniques that are grade level and subject matter appropriate, and test for mathematical proficiency and the learning of teaching concepts. Code B

MTH 232 Math for the Elementary Teacher II: 3 credits
Prerequisite: MTH 231
This course is the second of a three-course sequence and is designed to provide appropriate insights into mathematics for students majoring in elementary education and to ensure that students going into elementary education are more proficient at performing basic arithmetic operations. Topics include numeration skills with fractions, decimals and percentages, elementary concepts of probability and statistics, and analytic geometry concepts associated with linear equations and inequalities. The use of manipulatives and calculators in the teaching and learning process is stressed. Upon completion, students will test for mathematical proficiency and the learning of teaching concepts. Students also will demonstrate an appropriate teaching technique by preparing a lesson and teaching it to the class for their final exam grade. Code B

MTH 237 Linear Algebra: 3 credits
Prerequisite: MTH 126
This course introduces the basic theory of linear equations and matrices, real vector spaces, bases and dimension, linear transformations and matrices, determinants, Eigen values and eigenvectors, inner product spaces, and the diagonalization of symmetric matrices. Additional

topics may include quadratic forms and the use of matrix methods to solve systems of linear differential equations. Code A

MTH 238 Applied Differential Equations I: 3 credits
Co-requisite: MTH 227
An introduction to numerical methods, qualitative behavior of first order differential equations, techniques for solving separable and linear equations analytically, and applications to various models (e.g. populations, motion, chemical mixtures, etc.); techniques for solving higher order linear differential equations with constant coefficients (general theory, undetermined coefficients, reduction of order and the method of variation of parameters), with emphasis on interpreting the behavior of the solutions, and applications to physical models whose governing equations are of higher order; the Laplace transform as a tool for the solution of initial value problems whose inhomogeneous terms are discontinuous. Code A

MTH 265 Elementary Statistics: 3 credits
Prerequisite: MTH 100 or appropriate Math placement score
This course provides an introduction to methods of statistics, including the following topics: sampling, frequency distributions, measures of central tendency, graphic representation, reliability, hypothesis testing, confidence intervals, analysis, regression, estimation, and applications. Probability, permutations, combinations, binomial theorem, random variables, and distributions may be included. Code B

MUL – MUSIC ENSEMBLE

MUL 170, 171 Music Workshops I, II
MUL 270, 271 Music Workshop III, IV: 1-3 credits
Prerequisite: None
This course is a seminar clinic in advanced rehearsal/performance techniques. Emphasis is placed on intensive rehearsal techniques required for advanced or specialized performance groups. Upon completion, students should be able to effectively participate in performances presented by this type of ensemble. Code C

MUL 184, 185 Jazz/Show Choir I, II
MUL 284, 285 Jazz/Show Choir III, IV: 1-2 credits Code B

MUL 196, 197 Jazz/Show Band I, II
MUL 296, 297 Jazz/Show Band III, IV: 1-2 credits Code B

MUS – MUSIC

MUS 101 Music Appreciation: 3 credits
Prerequisite: None
This course is designed for non-music majors and requires no previous musical experience. It is a survey course that incorporates several modes of instruction including lecture, guided listening, and similar experiences involving music. The course will cover a minimum of three stylistic periods, provide a multi-cultural perspective, and include both vocal and instrumental genres. Upon completion, students should be able to demonstrate a knowledge of music fundamentals, the aesthetic/stylistic characteristics of historical periods, and an aural perception of style and structure in music. Code A

NAS – NURSING ASSISTANT

Prerequisite: None
This course fulfills the seventy-five (75) hour Omnibus Budget Reconciliation Act (OBRA) requirements for training of long-term care nursing assistants in preparation for certification through competency evaluation. Emphasis is placed on the development of the knowledge, attitudes, and skills required of the long-term care nursing assistant. Upon completion of this course, the student should demonstrate satisfactory performance on written examinations and clinical skills.

NUR - NURSING

NUR 112 Fundamental Concepts of Nursing: 7 credits
This course provides foundational knowledge of nursing concepts and incorporates clinical decision-making to provide evidence based nursing care. Content includes but is not limited to: nursing domain, health care domain, individual domain, assessment, and pharmacological concepts.

NUR 113 Nursing Concepts I: 8 credits
This course reinforces foundational knowledge of nursing concepts across the lifespan and incorporates clinical decision making to provide evidence based nursing care. Content includes but is not limited to: homeostasis; perioperative care; oxygenation and infection; nutrition and inflammation; perfusion; metabolism; and mobility.

NUR 114 Nursing Concepts II: 8 credits
This course reinforces concepts of nursing and incorporates clinical decision making across the lifespan to provide evidence based nursing care. Content includes but is not limited to: sensory perception, intracranial regulation, sexuality, reproduction, elimination, perfusion, oxygenation,

elimination/nutrition/inflammation, metabolism, immunity, cellular regulation, and basic concepts of emergent care.

NUR 115 Evidence Based Clinical Reasoning: 2 credits
This course provides students with opportunities to collaborate with various members of the health care team in a family and community context. Students utilize clinical reasoning to assimilate concepts within the individual, health, and nursing domains.

NUR 200 Nursing Career Mobility Assessment: 5 credits
Prerequisite: As required by program (See page **Error! Bookmark not defined.**)
This course is designed to provide PN mobility students, self-directed opportunities to prepare for placement into the third semester of the ADN program. Emphasis is on assessment and validation of selection theory, process, and skills covered in NUR 102, 103, 104, 105, and 106. Upon successful completion of assessments, students are eligible for entry into NUR 201. Students who successfully complete this course are awarded 15 nontraditional hours at the completion of the LPN mobility curriculum

NUR 211 Advanced Nursing Concepts: 7 credits
This course provides opportunities for students to integrate advanced nursing care concepts within a family and community context.

NUR 221 Advanced Evidence Based Clinical Reasoning: 7 credits
This course provides students with opportunities to demonstrate graduate competencies through didactic and preceptorship experiences necessary to transition to the profession of nursing. Content includes various topics within the nursing and health care domains.

OAD – OFFICE ADMINISTRATION

OAD 100 Intro to Keyboarding and Technology: 3 credits
Prerequisite: None
This course is designed to enable the student to develop navigating windows and touch keyboarding skills for efficient use of microcomputer through classroom instruction and lab exercises. Upon completion, the student should be able to demonstrate proper keying technique and basic computer skills. Code C

OAD 101 Beginning Keyboarding: 3 credits
Prerequisite: None
This course is designed to enable the student to use the touch method of keyboarding through classroom instruction and outside lab. Emphasis is on speed and accuracy in keying alphabetic, symbol, and numeric information using a keyboard. Upon completion, the student should be able to demonstrate proper technique and an acceptable rate of speed and accuracy, as defined by the course syllabus, in the production of basic business document such as memoranda, letters, reports, etc. Code C

OAD 103 Intermediate Keyboarding: 3 credits
Prerequisite: OAD 101
This course is designed to assist the student in increasing speed and accuracy using the touch method of keyboarding through classroom instruction and lab exercises. Emphasis is on the production of business documents such as memoranda, letters, reports, tables, and outlines from unarranged rough draft to acceptable format. Upon completion, the student should be able to demonstrate proficiency and an acceptable rate of speed and accuracy, as defined by the course syllabus, in the production of business documents. Code C

OAD 104 Advanced Keyboarding: 3 credits
Prerequisite: OAD 103
This course is designed to assist the student in continuing to develop speed and accuracy using the touch method of keyboarding through classroom instruction and lab exercise. Emphasis is on the production of business documents using decision-making skills. Upon completion, the student should be able to demonstrate proficiency and an acceptable rate of speed and accuracy, as defined by the course syllabus, in the production of high-quality business documents. Code C

OAD 125 Word Processing: 3 credits
Prerequisite: OAD 101
This course is designed to provide the student with basic word processing skills through classroom instruction and outside lab. Emphasis is on the utilization of software features to create, edit and print common office documents. Upon completion, the student should be able to demonstrate the ability to use industry-standard software to generate appropriately formatted, accurate, and attractive business documents such as memoranda, letters, and reports. Code C

OAD 126 Advanced Word Processing: 3 credits
Prerequisite: OAD 125
This course is designed to increase student proficiency in using the advanced word processing functions through classroom instruction and lab exercise. Emphasis is on the use of industry-standard software to maximize productivity. Upon completion, the student should be able to demonstrate the ability to generate advanced business documents. Code C

OAD 131 Business English: 3 credits
Prerequisite: None
This course is designed to develop the student's ability to use proper English. Emphasis is on grammar, spelling, vocabulary, punctuation, word usage, word division, and proofreading. Upon completion, the student should be able to communicate effectively. Code C

OAD 135 Financial Record Keeping: 3 credits
Prerequisite: None
This course is designed to provide the student with an understanding of the accounting concepts, principles, and terminology. Emphasis is on the accounting cycle and equation as they relate to different types of business ownership. Upon completion, the student should be able to demonstrate accounting procedures used in a proprietorship, partnership, and corporation. Code C

OAD 137 Computerized Financial Record Keeping: 3 credits
Prerequisite: OAD 135 and/or BUS 241
This course is designed to provide the student with skill in using the microcomputer to enter financial data through classroom instruction and outside lab. Emphasis is on the use of appropriate software in the preparation of journals, financial statements, and selected payroll records. Upon completion, the student will be able to demonstrate the ability to use a microcomputer system to record financial data. Code C

OAD 138 Records/Information Management: 3 credits
Prerequisite: None
This course is designed to give the student knowledge about managing office records and information. Emphasis is on basic filing procedures, methods, systems, supplies, equipment, and modern technology used in the creation, protection, and disposition of records stored in a variety of forms. Upon completion, the students should be able to perform basic filing procedures. Code C

OAD 200 Machine Transcription: 3 credits
Prerequisite: OAD 101
This course is designed to develop marketable skills in transcribing various forms of dictated material through classroom instruction. Emphasis is on the use of microcomputers and a commercial word processing package. Upon completion, the student should be able to accurately transcribe documents from dictated recordings. Code C

OAD 202 Legal Transcription: 3 credits
Prerequisite: OAD 200
This course is designed to familiarize the students with legal terms and provide transcription skill development in the production of legal correspondence, forms, and court documents through classroom instruction and lab exercises. Emphasis is on transcribing error-free legal documents using transcription equipment. Upon completion, students should be able to demonstrate the ability to accurately transcribe legal documents that are appropriately formatted. Code C

OAD 211 Medical Terminology: 3 credits
Prerequisite: None
This course is designed to familiarize the student with medical terminology. Emphasis is on the spelling, definition, pronunciation, and usage of medical terms. Upon completion, the student should be able to communicate effectively using medical terminology. Code C

OAD 212 Medical Transcription: 3 credits
Prerequisite: OAD 103 and OAD 200
This course is designed to orient students to standard medical reports, correspondence, and related documents transcribed in a medical environment through classroom instruction. Emphasis is on transcribing medical records from dictated recordings. Learn/maintain standards of ethical/professional conduct. Upon completion, the student should be able to accurately transcribe medical documents from dictated recordings. Code C

OAD 215 Health Information Management: 3 credits
Prerequisite: None
This course is designed to promote an understanding of the structure, analysis, and management of medical records. Emphasis is on managing medical and insurance records, coding of diseases, operations and procedures, and the legal aspects of medical records. Upon completion, the student should be able to maintain medical records efficiently. Code C

OAD 216 Advanced Health Information Management: 3 credits
Prerequisite: OAD 215
This course is designed as a continuation of OAD 215 Health Information Management. It is designed to promote an advanced understanding of the structure, analysis, and management of medical and insurance records. Emphasis is on managing medical and insurance records, coding of diseases, operations and procedures, and the legal aspects of medical records. Upon completion, the student should be able to maintain medical records efficiently. Code C

OAD 218 Office Procedures: 3 credits
Prerequisite: OAD 101
This course is designed to develop an awareness of the responsibilities and opportunities of the office professional through classroom instruction. Emphasis is on current operating functions, practices and procedures, work habits, attitudes, oral and written communications, and professionalism. Upon completion, the student should be able to demonstrate the ability to effectively function in an office support role. Code C

OAD 230 Computerized Desktop Publishing: 3 credits
Prerequisite: OAD 101
This course is designed to introduce the student to the elements and techniques of page design, layout and typography through classroom instruction and lab exercises. Emphasis is on the use of current commercial desktop publishing software, graphic tools, and electronic input/output devices to design and print high-quality publications such as newsletters, brochures, catalogs, forms, and flyers. Upon completion, the student should be able to utilize proper layout and design concepts in the production of attractive desktop published documents. Code C

OAD 242 Office Internship: 3 credits
Prerequisite: Instructor Recommendation
This course is designed to provide the students with an opportunity to work in an office environment. Emphasis is on the efficient and accurate performance of job tasks. Upon completion, the student should be able to demonstrate successful performance of skills required in an office support position. Code C

OAD 243 Spreadsheet Applications: 3 credits
Prerequisite: OAD 101
This course is designed to provide the student with a firm foundation in the use of computerized equipment and appropriate software in performing spreadsheet tasks through classroom instruction and lab exercises. Emphasis is on spreadsheet terminology and design, common formulas, and proper file and disk management procedures. Upon completion, the student

should be able to use spreadsheet features to design, format, and graph effective spreadsheets. Code C

OAD 244 Database Applications: 3 credits
Prerequisite: OAD 101
This course is designed to provide the student with an understanding of the concepts of database management through classroom instruction and lab exercises. Emphasis is on the use of database software for business applications. Upon completion, the student should be able to create and manipulate data files and format output such as documents and reports. Code C

OAD 246 Office Graphics and Presentations: 3 credits
Prerequisite: OAD 101
This course is designed to provide the student with a foundation in the use of the computer and appropriate application software in the production of business slides and presentations through classroom instruction and lab exercise. Emphasis is on available software tools, presentation options and design, as well as such presentation considerations as the make-up of the target audience. Upon completion, the student should be able to demonstrate the ability to design and produce a business presentation. Code C

ORI - ORIENTATION

ORI/ORT 105 Orientation and Student Success: 3 credits
Prerequisite: None
This course is designed to orient students to the college experience by providing them with tools needed for academic and personal success. Topics include: developing an internal focus of control, time management and organizational skills, critical and creative thinking strategies, personal and professional maturity, and effective study skills for college and beyond. The course must be taken during the first or second academic semester that the student enrolls in the college. Code C

PED – PHYSICAL EDUCATION

PED 100 Fundamentals of Fitness: 3 credits
Prerequisite: None
This lecture course includes the basic principles of physical education and physical fitness. It explores psychological and physiological effects of exercise and physical fitness, including effects on the human skeleton, muscle development, respiration, and coordination. It is viewed as an introduction to such laboratory courses as slimnastics, weight training, and conditioning. The course may also include fitness evaluation, development of individual fitness programs, and participation in fitness activities. Code B

PED 101 Slimnastics (Beginning): 1 credit
Prerequisite: None
This course provides an individualized approach to physical fitness, wellness, and other health-related factors. Emphasis is placed on the scientific basis for setting up and engaging in personalized physical fitness programs. Upon completion, students should be able to set up and implement an individualized physical fitness program. Code C

PED 102 Slimnastics (Intermediate): 1 credit
Prerequisite: None
This course is an intermediate-level slimnastics class. Topics include specific exercises contributing to fitness and the role exercise plays in developing body systems, nutrition, and weight control. Upon completion, students should be able to implement and evaluate an individualized physical fitness program. Code C

PED 103 Weight Training (Beginning): 1 credit
Prerequisite: None
This course introduces the basics of weight training. Emphasis is placed on developing muscular strength, muscular endurance, and muscle tone. Upon completion, students should be able to establish and implement a personal weight-training program. Code C

PED 104 Weight Training (Intermediate): 1 credit
Prerequisite: None
This course covers advanced levels of weight training. Emphasis is placed on meeting individual training goals and addressing weight training needs and interests. Upon completion, students should be able to establish and implement an individualized advanced weight-training program. Code C

PED 105 Personal Fitness: 1 credit
Prerequisite: None
This course is designed to provide the student with information allowing him/her to participate in a personally developed fitness program. Topics include cardiovascular, strength, muscular endurance, flexibility, and body composition. Code C

PED 106 Aerobics: 1 credit
Prerequisite: None
This course introduces a program of cardiovascular fitness involving continuous, rhythmic exercise. Emphasis is placed on developing cardiovascular efficiency, strength, and flexibility and on safety precautions. Upon completion, students should be able to select and implement a rhythmic aerobic exercise program. Code C

PED 118 General Conditioning (Beginning): 1 credit
Prerequisite: None
This course provides an individualized approach to general conditioning utilizing the five major components. Emphasis is placed on the scientific basis for setting up an engaging in personalized physical fitness and conditioning programs. Upon completion, students should be able to set up and implement an individualized physical fitness and conditioning program. Code C

PED 119 General Conditioning (Intermediate): 1 credit
Prerequisite: PED 118
This course is an intermediate-level fitness and conditioning program class. Topics include specific exercises contributing to fitness and the role exercise plays in developing body systems. Upon completion, students should be able to implement and evaluate an individualized physical fitness and conditioning program. Code C

PED 120 Techniques of Dual and Individual Sports: 2 credits
Prerequisite: None.
This course introduces the fundamentals of popular dual and individual sports. Emphasis is placed on rules, equipment, and motor skills used in various sports. Upon completion, students should be able to demonstrate knowledge of the sports covered. Code C

PED 200 Foundations of Physical Education: 3 credits
Prerequisite: None
In this course, the history, philosophy, and objectives of health, physical education, and recreation are studied with emphasis on the physiological, sociological, and psychological values of physical education. It is required of all physical education majors. Code B

PED 252 Varsity Baseball: 1 credit
Prerequisite: None
This course covers advanced baseball techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to play baseball at a competitive level. Code C

PED 253 Varsity Golf: 1 credit
Prerequisite: None
This course covers the more advanced phases of golf. Emphasis is placed on refining the fundamental skills and learning more advanced phases of the games such as club selection, trouble shots, and course management. Upon completion, students should be able to demonstrate the knowledge and ability to play competitive golf. Code C

PED 254 Varsity Softball: 1 credit
Prerequisite: None
This course introduces the fundamental skills and rules of softball. Emphasis is placed on proper techniques and strategies for playing softball. Upon completion, students should be able to play competitive softball. Code C

PED 255 Varsity Tennis: 1 credit
Prerequisite: None
This course emphasizes the refinement of playing skills. Topics include continuing the development of fundamentals, learning advanced serves, strokes, and paced strategies in singles and doubles play. Upon completion, students should be able to play competitive tennis. Code C

PHL - PHILOSOPHY

PHL 106 Introduction to Philosophy: 3 credits
Prerequisite: None
This course is an introduction to the basic concepts of philosophy. The literary and conceptual approach of the course is balanced with emphasis on approaches to ethical decision-making. The student should have an understanding of major philosophical ideas in a historical survey from the early Greeks to the modern era. Code A

PHL 206 Ethics and Society: 3 credits
Prerequisite: None
This course involves the study of ethical issues that confront individuals in the course of their daily lives. The focus is on the fundamental questions of right and wrong, of human rights, and of conflicting obligations. The students should be able to understand and be prepared to make decisions in life regarding ethical issues. Code A

PHS – PHYSICAL SCIENCE

PHS 111 Physical Science: 4 credits
Prerequisite: None
This course provides the nontechnical student with an introduction to the basic principles of geology, oceanography, meteorology, and astronomy. Laboratory is required. Code A

PHS 112 Physical Science II: 4 credits
Prerequisite: None
This course provides the nontechnical student with an introduction to the basic principles of chemistry and physics. Laboratory is required. Code A

PHS 120 Environmental Science: 4 credits
Prerequisite: None.
This course is an interdisciplinary course designed to give the non-science major an introductory survey of the environment. The environment will be studied with an emphasis on topics such as air, soil, water, wild life, forestry and solid waste pollution. Laboratory is required and will emphasize field studies and experimentation.

PHY – PHYSICS

PHY 120 Introduction to Physics: 4 credits
Prerequisite: MTH 098 or higher
This course provides an introduction to general physics for non-science majors. Topics in fundamentals of mechanics, properties of matter, heat and temperature, simple harmonic motion, SHM, waves and sound, electricity and magnetism, optics and modern physics. Laboratory is required. Code C

PHY 201 General Physics I-Trig Based: 4 credits
Prerequisite: MTH 113 or equivalent
This course is designed to cover general physics at a level that assures previous exposure to college algebra, basic trigonometry. Specific topics include mechanics, properties of matter and energy, thermodynamics, and periodic motion. A laboratory is required. Code A

PHY 202 General Physics II -- Trig Based: 4 credits
Prerequisite: PHY 201
This course is designed to cover general physics using college algebra and basic trigonometry. Specific topics include wave motion, sound, light, optics, electrostatics, circuits, magnetism, and modern physics. Laboratory is required. Code A

PHY 205 Recitation in Physics I: 1 credit
Prerequisite: None
One hour weekly purely for problem solving. Code C

PHY 206 Recitation in Physics II: 1 credit
Prerequisite: None
One hour weekly purely for problem solving. Code C

PHY 213 General Physics with Calculus I: 4 credits
Prerequisite: MTH 125
This course provides a calculus-based treatment of the principle subdivisions of classical physics: mechanics and energy, including thermodynamics. A lab is required. Code A.

PHY 214 General Physics with Calculus II: 4 credits
Prerequisite: PHY 213
This course provides a calculus-based study in classical physics. Topics included are: simple harmonic motion, waves, sound, light, optics, electricity and magnetism. Laboratory is required. Code A

PHY 216 Recitation in Physics with Cal I: 1 credit
Prerequisite: None
One hour weekly purely for problem solving. Code C

PHY 217 Recitation in Physics with Cal II: 1 credit
Prerequisite: None
One hour weekly purely for problem solving. Code C

POL – POLITICAL SCIENCE

POL 200 Introduction to Political Science: 3 credits
Prerequisite: None
This course is an introduction to the field of political science through examination of the fundamental principles, concepts, and methods of the discipline, and the basic political processes and institutions of organized political systems. Topics include approaches to political science, research methodology, the state, government, law, ideology, organized political influences, governmental bureaucracy, problems in political democracy and international politics. Upon completion, students should be able to identify, describe, define, analyze, and explain relationships among the basic principles and concepts of political science and political processes and institutions of contemporary political systems. Code A

POL 211 American National Government: 3 credits
Prerequisite: None
This course surveys the background, constitutional principles, organization, and operation of the American political system. Topics include the U.S. Constitution, federalism, civil liberties, civil rights, political parties, interest groups, political campaigns, voting behavior, elections, the presidency, bureaucracy, Congress, and the justice system. Upon completion, students should be able to identify and explain relationships among the basic elements of American government and function as more informed participants of the American political system. Code A

POL 220 State and Local Government: 3 credits
Prerequisite: None
This course is a study of the forms of organization, functions, institutions, and operation of American state and local governments. Emphasis is placed on the variety of forms and functions of state and local governments, with particular attention to those in Alabama and to the interactions between state and local government and the national government. Upon completion, students should be able to identify elements of and explain relationships among the state, local and national governments of the U.S. and function as more informed participants of state and local political systems. Code B

PSY - PSYCHOLOGY

PSY 200 General Psychology: 3 credits
Prerequisite: None
This course is a survey of behavior with emphasis upon psychological processes. This course includes the biological bases for behavior, thinking, emotion, motivation, and the nature and development of personality. Code A

PSY 210 Human Growth and Development: 3 credits
Prerequisite: PSY 200
This course is the study of psychological, social, and physical factors that affect human behavior from conception to death. Code A

PSY 230 Abnormal Psychology: 3 credits
Prerequisite: PSY 200
This course is a survey of abnormal behavior and its social and biological origins. The anxiety related disorders, psychoses, personality disorders and mental deficiencies will be covered. Code C

RDG - READING

RDG 080 Developmental Reading III: 1 Institutional credit
Prerequisite: None
This course, which may be repeated as needed, provides students with a laboratory environment where they can receive help from qualified instructors on reading assignments at the developmental level. Emphasis is placed on one-to-one guidance to supplement instruction in reading courses. A student's success in this course is measured by success in those other reading courses in which the student is enrolled.

RDG 085 Developmental Reading III: 1-3 Institutional credits
Prerequisite: Equivalent placement score
This course is designed to assist students whose placement test scores indicate serious difficulty with decoding skills, comprehension, vocabulary, and study skills.

REL – RELIGION

REL 100 History of World Religions: 3 credits
Prerequisite: None
This course is designed to acquaint the student with the beliefs and practices of the major contemporary religions of the world. This includes the religions of Africa, the Orient, and the western world. The student should have an understanding of the history and origins of the various religions of the world. Code A

REL 151 Survey of the Old Testament: 3 credits
Prerequisite: None
This course is an introduction to the content of the Old Testament with emphasis on the historical context and contemporary theological and cultural significance of the Old Testament. The student should have an understanding of the significance of the Old Testament writings upon completion of this course. Code A

REL 152 Survey of the New Testament: 3 credits
Prerequisite: None
This course is a survey of the books of the New Testament with special attention focused on the historical and geographical setting. The student should have an understanding of the books of the New Testament and the cultural and historical events associated with these writings. Code A

SOC - SOCIOLOGY

SOC 200 Introduction of Sociology: 3 credits
Prerequisite: None
This course is an introduction to the vocabulary, concepts, and theory of sociological perspectives of human behavior. Code A

SOC 210 Social Problems: 3 credits
Prerequisite: SOC 200
This course examines the social and cultural aspects, influences, incidences and characteristics of current social problems in light of sociological theory and research. Code A

SOC 247 Marriage and the Family: 3 credits
Prerequisite: SOC 200
This course is a study of family structures and families in a modern society. It covers preparation for marriage, as well as sociological, psychological, biological, and financial factors relevant to success in marriage and family life. Code B

SPA – SPANISH

SPA 101 Introductory Spanish I: 4 credits
Prerequisite: None
This course provides an introduction to Spanish. Topics include the development of basic communication skills and the acquisition of basic knowledge of the cultures of Spanish-speaking areas. Code A

SPA 102 Introductory Spanish II: 4 credits
Prerequisite: SPA 101 or equivalent
This continuation course includes the development of basic communication skills and the acquisition of basic knowledge of the cultures of Spanish-speaking areas. Code A

SPA 201 Intermediate Spanish I: 3 credits
Prerequisite: SPA 102 or equivalent
This course includes a review and further development of Spanish communication skills. Topics include reading of literary, historical, and/or cultural texts. Code A

SPA 202 Intermediate Spanish II: 3 credits
Prerequisite: SPA 201 or equivalent
This continuation course includes a review and further development of Spanish communication skills. Topics include reading of literary, historical, and/or cultural texts. Code A

SPH - SPEECH

SPH 106 Fundamentals of Oral Communication: 3 credits
Prerequisite: None
Fundamentals of Oral Communication is a performance course that includes the principles of human communication: intrapersonal, interpersonal, and public. It surveys current communication theory and provides practical application. Code A

SPH 107 Fundamentals of Public Speaking: 3 credits
Prerequisite: None
This course explores principles of audience and environment analysis as well as the actual planning, rehearsing and presenting of formal speeches to specific audiences. Historical foundation, communication theories and student performances are emphasized. Code A

SPH 116 Introduction to Interpersonal Communication: 3 credits
Prerequisite: None
This course is an introduction to the basic principles of interpersonal communication. Code A

THR – THEATER ARTS

THR 120 Theater Appreciation: 3 credits
Prerequisite: None
This course is designed to increase appreciation of contemporary theater. Emphasis is given to the theater as an art form through the study of history and theory of drama and the contributions to modern media. Emphasis of playwright, actor, director, designer and technician to modern media. Attendance at theater production may be required. Code A

THR 126 Introduction to Theater: 3 credits
Prerequisite: None
This course is designed to teach the history of the theater and the principles of drama. It also covers the development of theater production and the study of selected plays as theatrical presentations. Code A

WDT - WELDING

WDT 108 SMAW Fillet/OFC: 3 credits
Prerequisite: None
This course provides the student with instruction on safety practices and terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of oxy-fuel cutting.

WDT 109 SMAW Fillet/PAC/CAC: 3 credits
Prerequisite: None
This course provides the student with instruction on safety practices and terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of carbon arc cutting and plasma arc cutting.

WDT 110 Industrial Blueprint Reading: 3 credits
Prerequisite: None
This course provides students with the understanding and fundamentals of industrial blueprint reading. Emphasis is placed on reading and interpreting lines, views, dimensions, weld joint configurations, and weld symbols. Upon completion students should be able to interpret welding symbols and blueprints as they apply to welding and fabrication.

WDT 115 Gas Tungsten Arc Welding Carbon Pipe: 3 credits
Prerequisite: None
This course is designed to provide the student with the practices and procedures of welding carbon pipe using the gas tungsten arc weld (GTAW) process. Emphasis is placed on pipe positions, filler metal selection, purging gasses, joint geometry joint preparation and fit-up. Upon completion, students should be able to identify pipe positions, filler metals, purging gas, proper joint geometry, joint preparation and fit-up to the applicable code.

WDT 119 Gas Metal Arc/Flux Cored Arc Welding: 3 credits.
Prerequisite: None
This course introduces the student to the gas metal arc and flux core arc welding process. Emphasis is placed on safe operating practices, handling and storage of compressed gasses, process principles, component identification, various welding techniques and base and filler metal identification.

WDT 120 Shielded Metal Arc Welding Groove: 3 credits
Prerequisite: None
This course provides the student with instruction on joint design, joint preparation, and fit-up groove welds in accordance with applicable welding codes. Emphasis is placed on safe operation, joint design, joint preparation, and fit-up. Upon completion, students should be able to identify the proper joint design, joint preparation and fit-up of groove welds in accordance with applicable welding codes.

WDT 122 SMAW Fillet/OFC Lab: 3 credits
Prerequisite: None
This course is designed to introduce the student to the proper set-up and operation of the shielded metal arc welding equipment. Emphasis is placed on striking and controlling the arc, and proper fit up of fillet joints. This course is also designed to instruct students in the safe operation of oxy-fuel cutting. Upon completion students should be able to make fillet welds in all positions using electrodes in the F3 groups in accordance applicable welding code and be able to safely operate oxy-fuel equipment and perform those operations as per the applicable welding code.

WDT 123 SMAW Fillet/PAC/CAC Lab: 3 credits
Prerequisite: None
This course is designed to introduce the student to the proper set-up and operation of the shielded metal arc welding equipment. Emphasis is placed on striking and controlling the arc, and proper fit up of fillet joints. This course is also designed to instruct students in the safe operation of plasma arc and carbon arc cutting. Upon completion, students should be able to make fillet welds in all positions using electrodes in the F4 groups in accordance with applicable welding code and be able to safely operate plasma arc and carbon arc equipment and perform those operations as per applicable welding code.

WDT 124 Gas Metal Arc/Flux Cored Arc Welding Lab: 3 credits
Prerequisite: None
This course provides instruction and demonstration using the various transfer methods and techniques to gas metal arc and flux cored arc welds. Topics included as safety, equipment set-up, joint design and preparation, and gases.

WDT 125 Shielded Metal Arc Welding Groove Lab: 3 credits
Prerequisite: None
This course provides instruction and demonstrations in the shielded metal arc welding process on carbon steel plate with various size F3 and F4 group electrodes in all positions. Emphasis is placed on welding groove joints and using various F3 and F4 group electrodes in all positions.

Upon completion, the student should be able to make visually acceptable groove weld joints in accordance with applicable welding codes.

WDT 155 Gas Tungsten Arc Welding Carbon Pipe Lab: 3 credits
Prerequisite: WDT 115
This course is designed to provide the student with the skills in welding carbon steel pipe with gas tungsten arc welding techniques in various pipe weld positions. Upon completion, students should be able to perform gas tungsten arc welding on carbon steel pipe with the prescribed filler metals in various positions in accordance with the applicable code.

WDT 182 Special Topics: 3 credits
Prerequisite: None
This course allows the student to plan, execute, and present results of individual projects in welding. Emphasis is placed on enhancing skill attainment in the welding field. The student will be able to demonstrate and apply competencies identified and agreed upon between the student and instructor.

WDT 217 SMAW Carbon Pipe: 3 credits
Co-requisite: WDT 257
This course introduces the student to the practices and procedures of welding carbon steel pipe using the shielded metal arc weld (SMAW) process. Emphasis is placed on the pipe positions, electrode selection, joint geometry, joint preparation and fit-up. Upon completion, students should be able to identify pipe positions, electrodes, proper joint geometry, joint preparation, and fit-up in accordance with applicable code.

WDT 228 Gas Tungsten Arc Welding: 3 credits
Prerequisite: None
This course provides student with knowledge needed to perform gas tungsten arc welds using ferrous and/or non-ferrous metals, according to applicable welding codes. Topics include safe operating practices, equipment identification and set-up, correct selection of tungsten type, polarity, shielding gas and filler metals. Upon completion, a student should be able to identify safe operating practices, equipment identification and setup, correct selection of tungsten type, polarity, shielding gas, filler metals, and various welds on ferrous and/or non-ferrous metals, using the gas tungsten arc welding process according to applicable welding codes.

WDT 257 SMAW Carbon Pipe Lab: 3 credits
Co-requisite: WDT 217
This course is designed to provide the student with the skills in welding carbon steel pipe with shielded metal arc welding techniques in various pipe-welding positions. Upon completion, students should be able to perform shielded metal arc welding on carbon steel pipe with the prescribed electrodes in various positions in accordance with the applicable code.

WDT 268 Gas Tungsten Arc Lab: 3 credits
Prerequisite: WDT 228
This course provides student with skills needed to perform gas tungsten arc welds using ferrous and/or non-ferrous metals, according to applicable welding codes. Topics include safe operating

practices, equipment identification and set-up, correct selection of tungsten type, polarity, shielding gas and filler metals. Upon completion, a student should be able to identify safe operating practices, equipment identification and setup, correct selection of tungsten type, polarity, shielding gas, filler metals, and various welds on ferrous and/or non-ferrous metals, using the gas tungsten arc welding process according to applicable welding codes.

WKO - WORKPLACE SKILLS ENHANCEMENT

WKO 110 NCCER Core: 3 credits
Prerequisite: None
Note: There is an approved plan of instruction for this course.
This course is designed to provide students with knowledge and skills related to multi-craft technicians in a variety of fields. Information in this course is based on the National Center for Construction Education and Research (NCCER) core curriculum and prepares students to test for the NCCER credential.

PERSONNEL

ADMINISTRATION AND CONTROL

Central Alabama Community College is a member of the Alabama Community College System under the control of the Alabama Community College System Board of Trustees through the Chancellor, and is operated in accordance with approved standards.

Governor Robert Bentley – President
Al Thompson – Vice President
Dr. Mark Heinrich – Chancellor

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Ms. Mary Scott Hunter	Huntsville	At Large
Dr. Robert J. Bentley	Montgomery	Ex Officio

ADMINISTRATION

Burrow, Susan — President
L.P.C., Northwest Alabama State Technical
College B.S.N., University of North Alabama
M.S.N., University of Alabama Birmingham
Post Graduate Work, University of Alabama at Birmingham
Ph.D., University of Mississippi

Spears, Barbara Anne — Dean of Instruction
B.A., University of Alabama Birmingham
M.A., Auburn University
Post Graduate Work, Mississippi Community College
Fellowship Program

Taylor, Sherri — Dean of Students
B.S., Auburn University
M.S., Troy State University
Ed.D., Nova Southeastern University

Bolton, Melenie C. — Associate Dean of Health Science
B.S.N., Jacksonville State University — Chair – Health Science
M.S.N., University of Alabama Birmingham
Ph.D., University of Alabama

Bland, Glenda M. — Associate Dean of Student Services
B.B.A., University of Montevallo
M.Ed., University of Montevallo
Ed.S., University of Alabama Birmingham

COUNSELORS, INSTRUCTORS, AND LIBRARIANS

Amberson, Benjamin L. — Machine Shop
Diploma, Wallace College
A.A.S., Central Alabama Community College

Bailey, Robert Benjamin — Welding Instructor
Certificate, Ayers State Technical College

Belyeu, Dwight — Manufacturing Technology
A.S., Central Alabama Community College
B.S., Brigham Young University

Carr, Jeremy
B.A, Assumption College
M.Ed., Auburn University
Ph.D., University of Alabama

Chemistry/Physical Science

Carr, Scotty
A.A.S., Central Alabama Community College

Machine Shop/Tool & Die

Cherwa, Jr., James
A.A., Scottsdale Community College
B.S., University of Arizona
Ph.D., University of Arizona

Biology

Coleman, Charles Daniel
Diploma, Nunnelley State Technical College
B.S., University of Alabama Birmingham
M.B.A., Jacksonville State University

Drafting and Design Technology
Chair – Business, Office and Service Professions

Collins, Amanda
B.S., Auburn University
M.Ed., Auburn University

Mathematics

Davis, Robert
A.S., Calhoun State Community College
B.S., Athens State University
M.S., Florida Institute of Technology
M.S., Florida Institute of Technology
Ph.D., University of Alabama

Computer Science
Chair – Distance Education

Davis, Sharon
Diploma, Sylacauga School of Nursing
B.S.N., Auburn University Montgomery
M.S.N., Auburn University

Nursing

Farr, Maribeth
B.S., Auburn University
M.Ed., Auburn University

English

Harrison, Vernon Ray
B.A., University of Alabama
M.A., University of Alabama
Ph.D., University of Alabama

Speech

House, Christopher
B.B.A., University of Montevallo
M.B.A., Samford University

Computer Science

Hunnicutt, Tanya L. B.S.N., University of Alabama M.S.N., Troy University D.N.P., Samford University	Nursing
Hurst, James A.S., Central Alabama Community College B.A., University of Alabama at Birmingham M.A., University of Alabama at Birmingham	History
James, Joseph Daniel Certificate, Southern Union State Community College A.O.T., Central Alabama Community College	Welding Chair – Manufacturing and Construction
Johnson, Heather B.A., Wheaton College M.A., University of Alabama	English
Johnson, Ronald B. B.S.B.A., Auburn University M.B.A., Jacksonville State University	Office Administration
Jones, Johnny T. Certificate, Nunnelley State Technical College A.A.S., Central Alabama Community College	Welding
Kelley-Sargent, Kristine B.A., University of Alabama M.A., University of Montevallo	English
Kornman, Paul T. B.S., Auburn University M.S., Auburn University Ph.D., Auburn University	Mathematics
Lilly, Nancy N. B.S., University of Montevallo M.Ed., Auburn University	Office Administration
Maddox, Jeffrey P. A.A., Alabama Aviation and Technical College B.S., Troy State University Dothan B.S., Athens State University M.S., Nova Southeastern University	Computer Science

Merrill, John B.A., University of Alabama Birmingham M.A., University of Alabama Birmingham	English
Mitchell, Anne-Marie B.S., Auburn University Montgomery M.S., Auburn University Montgomery	Psychology Chair – Liberal Arts, Health Psychology and Communications
Mitchell, Brandy L. B.A., Mississippi State University M.A., Mississippi State University	English
Motley, Nan M. A.A., Southern Union State Community College A.S., Southern Union State Community College	Cosmetology
Murphy, Patrick Certificate, Central Alabama Community College	Machine Shop
Pasley, Denita P. A.S., Central Alabama Community College B.B.A., Faulkner University M.L.I.S., University of Alabama	Librarian
Pierce, John A.A.S., Central Alabama Community College B.S., University of Missouri	Manufacturing Technology/Electronics
Pinson, Adam A.A., Bevill State Community College B.A., University of Alabama Birmingham M.A., University of Alabama Birmingham	History Chair – Social Science
Pruett, Curtiss A.A.S., Community College of the Air Force B.S., Texas A&M University Central Texas	Electronics
Schlenker, Katherine B.S., University of North Alabama M.A., University of Alabama	Speech
Scott, Stephanie Paige B.S., Jacksonville State University M.S., Jacksonville State University	Mathematics

Shelton, Cassandra A.A., Central Alabama Community College B.S., Jacksonville State University M.S.N., University of Alabama Birmingham	Nursing
Shivers, Gregory R. B.S., Faulkner University M.Ed., Auburn University Montgomery	Health, Physical Education/ Softball Coach
Stark, John David B.S., Auburn University M.Ed., Alabama State University	Mathematics Chair – Math and Technology
Therrien, Nancy B.S., University of Alabama M.A., University of Alabama	Biology
Thompson, Kathleen B.A., Nazareth College M.Ed., Auburn University	Mathematics Title III Director Chair – Student Success
Tippins, Dorothy Diann B.S., Jacksonville State University M.S., Troy University	Psychology
Van Houten, Vyron B.S., Auburn University Ph.D., Auburn University	Biology Chair – Science
Vickery, Robert B.A., Auburn University Montgomery M.A., Auburn University Montgomery	English
Waites, Amy G. B.S., Auburn University M.Ed., Auburn University	Biology
White, Michael A.S., Central Alabama Community College	Electronics Technology
Williams, Justin H. B.A., Jacksonville State University M.A., Jacksonville State University	History/Political Science

Wood, Shelley W.
B.S., Jacksonville State University
M.S., Jacksonville State University
Ed.S., University of Montevallo
Biology/Physical Science

Yarbrough, Mandy C.
B.S., Auburn University
M.S., Troy University
Mathematics

ADMINISTRATIVE AND SUPPORT STAFF

Ankton, Almitra
B.S.W., Jacksonville State University
Admissions Assistant

Arrington, Gary
Security Guard

Bailey, Pattie
B.S., University of Montevallo
Library Assistant

Baker, Ronnie
C.D.L.
Truck Driving Instructional Assistant

Barlow, Christy
B.B.A., Faulkner University
Cashier

Belyeu, Anitra
A.S., Central Alabama Community College
B.S., Faulkner University
Career Coach

Boles, Letetia
B.S., Oakwood University
M.S., Alabama A&M University
Student Support Services
Academic Skills Specialist

Borden, Melody Wilson
B.A., University of Montevallo
Administrative Assistant,
Instructional Services

Brooks, Willie F.
Training
Truck Driver Training, Skills

Canfield, Nancy
A.A., Edison Community College
B.S., Faulkner University
Accounting Associate

Character, Tiffanie B.S., Jacksonville State University	Student Affairs Specialist
Collins, Christina B.A., Jackson State University M.S.C.E., University of West Alabama	Title III Advisor
Cook, Martha B.S., Troy University	Learning Resources Assistant
Coleman, Wesley	Tennis Coach
Crapps, Kristi A.S., Central Alabama Community College	Financial Aid Secretary
Embry, LaResea C B.S., Tuskegee University M.S., Troy University	Administrative Coordinator, Talladega Center
Entrekin, Cynthia W. A.A.S., Alexander City State Junior College B.B.A., Faulkner University M.S.P.A., Troy University Montgomery	Director of Financial Aid
Fuller, Nancy W.	Accounts Payable Specialist
Giddens, Amy A.A., Central Alabama Community College B.S., Auburn University	Office Careers, Skills Training
Glasscock, John B.S., Troy University M.Ed., Auburn University - Montgomery	Title III Researcher
Groce, Shanna B.S., Jacksonville State University M.Ed. Troy University	Director of Upward Bound
Hall, Trina A.S., Central Alabama Community College B.S., Alabama State University M.S., Alabama State University Ed.S., Alabama State University	Project Director for Student Support Services

Hamby, Hester A.S., Central Alabama Community College B.A., Auburn University M.P.A., Troy University	Admissions Specialist
Harris, Joseph O.	General Laborer Heritage Trail Conference Center/ Pioneer Village
Hatch, Annette M. A.S., Central Alabama Community College B.S., Faulkner University	Project Secretary, Student Support Services
Hayes, Karen N. B.S., Troy State University	Testing Coordinator / Student Services
Heath, Kevin	Buildings Technician
Holt, Will A.A.T., Trenholm State Technical College	Custodian
Howle-Hurst, Karen B.S., Jacksonville State University	Title III Secretary
Jackson, Hazel D. A.A., Central Alabama Community College B.S., Faulkner University	Administrative Assistant Business Office
Jackson, Stacy A.O.T., Central Alabama Community College	Payroll Specialist
Jennings, David M.	Golf Coach Institutional Development Assistant
Kelley, Phyllis Y. B.A., Huntingdon College M.B.A., Jacksonville State University	Administrative Secretary for Adult Education and Skills Training
Kenny, Jo B.A., Rhodes College M.Ed., Auburn University	Student Support Services Academic Skills Specialist
Kretschmann, Tamra Dawn A.S., Central Alabama Community College B.S., Faulkner University M.S., Troy State University Montgomery	Counselor/ Student Support Services

Leonard-Young, Shannon A.S., Central Alabama Community College B.S., Faulkner University	Cashier
Lewis, Steve J. B.A. & B.S., Auburn University M.A., Trevecca Nazarene University	Recruiter/Assistant Baseball Coach
Lovett, Michael A. B.B.A., University of Alabama M.S., Troy University	Help Center Coordinator/Student Records Specialist
Mahaffey, Anita K. B.S., University of Alabama Birmingham M.Ed., University of Montevallo	Counselor/Coordinator, Educational Talent Search Temporary Supplemental ETS Director
Mahaffey, Steven D.	Director, Heritage Trail Conference Center/Governmental Relations
Mann, Michael G. B.E.E., Georgia Institute of Technology M.E.E., Georgia Institute of Technology	Director of Industry Training
Martin, Marian A.S., Central Alabama Community College B.S., Faulkner University	Records Manager
Mask, Russell A.A., Central Alabama Community College B.S., University of Montevallo M.S., Troy University	Title III Academic Project Coordinator
McGhee, Mark B.S., Auburn University M.Ed., University of West Alabama M.Ed., Auburn University	Executive Assistant to the President
McLain, Eric D A.S., Alexander City State Junior College	Supervisor of Maintenance
McLain, Michael A.O.T., Central Alabama Community College	Maintenance Technician
McPherson, William	Building Technician

Mitchell, Leslie M. B.S., Faulkner University	Academic Advisor/Student Activities Coordinator
Mitchell, Sheila F. B.S., Jacksonville State University	Coordinator of Restricted Funds
Morgan, Stacy B.B.A., Faulkner University M.B.A., University of Phoenix	Assistant to the Dean of Student Services
Morgan, William Clay	Manager, Heritage Trail Conference Center
Morris, Loretta A.S., Central Alabama Community College B.S., Troy State University M.S., South University	Financial Aid Assistant
Nelson, Mitchell B	General Laborer, Heritage Trail Conference Center
Pitts, Ronny L.	Grounds Technician
Pritchard, Brett H. B.A., Auburn University M.Ed., Alabama State University	Recruiter/Coordinator of High School and Public Relations
Rich, Gwen	Maintenance Specialist
Shaw, Tina B.B.A. Faulkner University Additional Studies, University of North Alabama	Human Resources Director
Smith, Precious A.S., Central Alabama Community College B.B.A, Faulkner University	Talent Search Secretary Evening Secretary
Smith, Ronda Elisha A.S., Central Alabama Community College B.S., University of South Alabama	Financial Aid Assistant
Stroud, Mary	Switchboard Operator
Swain, Marvin	Custodian

Thomas, Dana A.A.S., Central Alabama Community College B.S., Faulkner University	Student Services Specialist
Veazey, Melanie M. B.S., Judson College	Adult Education
Walker, Hilda	Switchboard Operator
Walker, James Lynn	Maintenance Technician
Watkins, Albert W. B.S., West Texas State University M.A., University of Phoenix	Math Tutor/Student Support Services
Watson, Katrina W.	Adult Education
Wells, Dianne O. A.S., Gadsden State Community College B.S., Jacksonville State University	Human Resources Specialist
Whaley, Kayla B.S. Auburn University Post Graduate Studies, Auburn University	Career Transition Specialist
Whitehead, James H.	General Laborer/Mechanic
Williams, Emily B.S., Auburn University M.Ed., Alabama State University	Assistant Skills Coordinator Title III
Williams, Linda W. B.B.A., Faulkner University	Purchasing Agent

GENERAL INDEX

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