

# 2019-2020

## Catalog and Student Handbook



EQUAL OPPORTUNITY INSTITUTION

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# General Information

## Welcome from the President

Glenn Deibert  
President  
Coastal Pines Technical College

### Welcome from the President

*GO COASTAL!* That is the theme and message we hope you will hear and see often in the year ahead. It is part of our marketing focus to get you to consider Coastal Pines Technical College (CPTC) for your workforce development and lifelong learning needs. Whether your goal is to improve a skill, earn a High School Equivalency/GED, certificate, diploma, or associate degree, or start here and transfer to a four-year institution, our qualified faculty and staff can help make your decision to *GO COASTAL* easy and successful.

As a Unit of the Technical College System of Georgia, we offer degree, diploma and certificate programs as well as adult education, English as a Second Language (ESL) classes and workforce development services. The College's dual enrollment program provides exceptional opportunities for Georgia high school students to *GO COASTAL* by taking college level courses that earn credit toward a high school diploma and a college degree at the same time.

CPTC offers over 140 programs of study through the traditional classroom setting, online, and even on weekends. Providing multiple methods of offering classes and flexible class scheduling helps students *GO COASTAL* and reduces the barriers students face while leading a busy lifestyle. Additionally, job placement and financial aid assistance are available – including the HOPE Grant, HOPE Scholarship, and the Hope Career Grant.

CPTC continues to grow by adding in-demand courses and programs that allow our students access to the latest industry trends. New facilities and renovations provide students with state-of-the-art classrooms, labs and equipment. Partnering with local business and industry through advisory committees ensures our students are using the latest technology and learning the skills used by professionals.

As you view our catalog, you will find resources and information to help you *GO COASTAL* to take the next step toward reaching your educational goal. In addition, you will find that CPTC faculty and staff take a personal interest in your achievement.

Coastal Pines Technical College

A Unit of the Technical College System of Georgia

## Coastal Pines General Information

The statements set forth in this catalog are for informational purposes only and should not be construed as the basis of a contract between the students and this College. While the provisions of this catalog will ordinarily be applied as stated, Coastal Pines Technical College reserves the right to change any provision listed, including but not limited to, academic requirements for graduation, without actual notice to individual students. Every effort shall be made to keep students advised of any such changes. Information on changes will be made available in the Student Affairs Office and the Catalog Addendum. It is important that students know it is their responsibility to remain informed of all changes including academic requirements for graduation. This document remains effective until publication of the next catalog.

## Mission

Coastal Pines Technical College, a unit of the Technical College System of Georgia, is a multi-campus, two-year college in Southeast Georgia that supports the workforce development and lifelong learning needs of communities, businesses, and industries. Through traditional and distance delivery formats, the learner-centered College offers associate degree, diploma, and technical certificate programs; continuing education opportunities; adult education services; and customized training for economic advancement.

## Vision

Coastal Pines Technical College will be the premier, regional center of higher education for student learning and community development.

## State Board of the Technical College System of Georgia Accreditation and Program Approvals Institutional Accreditation

Coastal Pines Technical College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award Associate Degrees, Diplomas, and Technical Certificates of Credit. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Coastal Pines Technical College. Inquiries concerning Coastal Pines Technical College admission requirements, financial aid, educational programs, etc., should be addressed directly to Coastal Pines Technical College and not to the Commission's office. Coastal Pines Technical College's contact information is: Coastal Pines Technical College, 1701 Carswell Avenue, Waycross GA 31503, [www.coastalpinetech.edu](http://www.coastalpinetech.edu), (912)-287-5827, or fax (912) 338-5300.

## Program Accreditation

Program	Location	Accreditation or Certification Board
Automotive Technology	Waycross Campus	National Automotive Technicians Education Foundation (NATEF)
Air Conditioning Technology	Waycross Campus, Golden Isles, and Jesup sites	HVAC Excellence
Medical Assisting	Waycross Campus	Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon the recommendation of the Medical Assisting Education Review Board (MAERB)
Paramedicine	Waycross Campus	Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon the recommendation of the Emergency Medical Services Professions (CoAEMSP)
Radiologic Technology	Waycross Campus	Joint Review Committee on Education in Radiologic Technology (JRCERT)
Respiratory Care Technology	Waycross Campus	Commission on Accreditation for Respiratory Care (Co ARC)
Surgical Technology	Waycross Campus	Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon recommendation of the Accreditation Review Council on Education for Surgical Technology

## Program Approvals

Program	Location	Certification or Approval Board
Computer Information Systems	Waycross Campus, Golden Isles, and Jesup sites	Authorized Microsoft IT Academy and Authorized Cisco Network Academy
Cosmetology	Waycross Campus, Alma, Camden, Golden Isles, and Jesup sites	Georgia Board of Cosmetology
Early Childhood Care and Education	Waycross Campus, Baxley and Jesup sites	Bright from the Start: Georgia Department of Early Care and Learning (DECAL) and Georgia Professional Standards Commission
Neuromuscular Massage Therapy	Golden Isles site	Assigned school by the National Certification Board for Therapeutic Massage & Bodywork (NCBTMB) Georgia Board of Massage Therapy

<b>Program</b>	<b>Location</b>	<b>Certification or Approval Board</b>
Nurse Aide	Waycross Campus, Alma, Baxley, Golden Isles, Hazlehurst, and Jesup sites	Georgia Medical Care Foundation
Paramedicine Advanced Emergency Medical Technician (AEMT)		
Emergency Medical Technician (EMT) EMS Professions Pre-Hospital EMS Operations	Waycross Campus, Baxley, Golden Isles, and Jesup sites	Georgia Department of Community Health, Office of Emergency Management Service and Trauma
Practical Nursing Program	Waycross Campus, Alma, Baxley, Golden Isles, and Jesup sites	Georgia Board of Nursing

## Warranty

As a demonstration of our confidence in the quality of our Technical College programs, the Technical College System of Georgia warrants every graduate of a Technical College program offering a technical certificate of credit, diploma, or associate degree.

The warranty guarantees that the graduate has demonstrated the knowledge and skills and can perform each competency as identified in the industry-validated Standard or Program Guide. Any program graduate who is determined to lack such competence shall be retrained at no cost to the employer or graduate for tuition or instructional fees. A claim against the warranty may be filed by either an employer in conjunction with a graduate or a graduate if the individual is unable to perform one or more of the competencies in the industry-validated Standard or Program Guide, including failure to pass a State of Georgia required licensing examination.

The warranty shall remain in effect for two years immediately following the date of graduation and shall be honored by any Technical College that offers the program from which the individual graduated. To inquire or file a warranty claim, contact the Vice President for Academic Affairs.

## Statement of Non-Discrimination and Compliance

The Technical College System of Georgia (TCSG) and its constituent technical colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, or citizenship status (except in those special circumstances permitted or mandated by law). This nondiscrimination policy encompasses the operation of all TCSG and technical college-administered programs, federally financed programs, and educational programs and activities involving admissions, scholarships and loans, student life and athletics. It also applies to the recruitment and employment of personnel and the contracting for goods and services. Coastal Pines Technical College (CPTC) is a unit of the TCSG.

The Technical College System and technical colleges shall promote the realization of equal opportunity through a positive continuing program of specific practices designed to ensure the full realization of equal opportunity. The following persons have been designated to handle inquiries regarding Coastal Pines Technical College nondiscrimination policies:

### **Title IX, EEO and AA Coordinators**

(For All Employees at Any Site)

### **Human Resources Coordinator**

Katrina Howard  
1777 West Cherry Street  
Jesup, Georgia 31545  
(912) 427-5876  
khoward@coastalpines.edu

## **Human Resources Director**

Cynthia Linder  
1701 Carswell Avenue  
Waycross, Georgia 31503  
(912) 287-4098  
clinder@coastalpines.edu

## **Title IX, ADA & Section 504 Coordinator**

(For All Students on Any Site)

## **Counseling and Special Services Director**

Cathy Montgomery  
3700 Glynco Parkway  
Brunswick, Georgia 31525  
(912) 262-9995  
cmontgomery@coastalpines.edu

Telephone numbers are accessible to persons who are deaf or hard of hearing through the Georgia Relay by dialing 711 or 1-800-255-0056 from a TTY/TDD.

El Sistema de Universidad Técnica de Georgia y sus constituyentes colegios técnicos no discrimina basándose en raza, color, credo, nacional u origen étnico, género, religión, discapacidad, edad, afiliación política o creencia, información genética, discapacitado veterano, veterano de la Era de Vietnam, o condición de ciudadanía (excepto en aquellas circunstancias especiales permitidos o impuestas por ley). Esta política de no discriminación abarca la operación de todos TCSG y programas administrados por el colegio técnicos, programas financiados por el gobierno federal, los programas educativos y actividades de admisiones, becas y préstamos, vida estudiantil y atletismo. También se aplica a la contratación y el empleo de personal y la contratación de bienes y servicios.

El Sistema Técnico de Universidad y colegios técnicos promoverán la realización de la igualdad de oportunidades a través de un programa positivo continuo de prácticas específicas destinadas a garantizar la plena realización de la igualdad de oportunidades. Las siguientes personas han sido designadas para manejar las preguntas sobre las políticas de no discriminación de Coastal Pines Technical College.

## **Coordinador de Título IX, EEO/AA**

Katrina Howard  
1777 West Cherry Street  
Jesup, Georgia 31545  
(912) 427-5876  
khoward@coastalpines.edu

Cynthia Linder  
1701 Carswell Avenue  
Waycross, Georgia 31503  
(912) 287-4098  
clinder@coastalpines.edu

## **Title IX, ADA/ Coordinador de sección 504**

Cathy Montgomery  
3700 Glynco Parkway  
Brunswick, Georgia 31525  
(912) 262-9995  
cmontgomery@coastalpines.edu



\*Los números de teléfono son accesibles a las personas que son sordos o con pérdida de la audición a través de Georgia Relay marcando 711 o 1-800-255-0056 de TTY/TDD.

## Coastal Pines Board of Directors

Coastal Pines Technical College's Board of Directors is composed of members representing the college's designated thirteen-county service area.

The CPTC board members represent a variety of business, industry, and economic development backgrounds and bring with them a wealth of experience and wisdom. Board members often communicate community needs to the President and administration; and as a result, CPTC considers its local Board of Directors a vital asset in the quest to fulfill the mission of the college. The local Board meets monthly, and the actions of the Board are recorded in the official minutes of each board meeting.

## 2019-2020 College Calendar

This is the overall CPTC semester calendar. Individual class and programs may have different start and end dates.

### Fall Semester

August 19-2019-December 10, 2019

Tuition Due Date	08/15/19
<b>Fall Semester Begins</b>	08/19/19
Last day to Drop and receive tuition adjustment	08/21/19
Last day to Add classes	08/23/19
Last day to charge in the Bookstore	08/29/19
Labor Day Holiday — College Closed	09/02/19
Spring Semester 2020 Returning Student Registration Begins	10/21/19
Final Date to Withdraw and receive a "W" grade	10/21/19
Spring Semester 2020 New Student Registration Begins	10/28/19
Thanksgiving Break for Students	11/26-11/29/19
Fall Semester Ends	12/07/19
Final Exams	12/09/19 12/10/19

### Spring Semester

January 9, 2020-May 6, 2020

Tuition Due Date	01/08/20
<b>Spring Semester Begins</b>	01/09/20
Last day to Drop and receive tuition adjustment	01/14/20
Last day to Add classes	01/16/20
Martin Luther King Holiday — College Closed	01/20/20
Last day to charge in the Bookstore	01/23/20
Summer Term 2020 Returning Student Registration Begins	03/09/20
Final Date to Withdraw and receive a "W" grade	03/16/20
Summer Term 2020 New Student Registration Begins	03/16/20
Staff Development Day — Student Holiday	03/26/20
Spring Break for Students	04/06-04/10/20
<b>Spring Semester Ends</b>	05/04/20
Final Exams	05/05/20 05/06/20

## Summer Term

May 18, 2020–August 05, 2020

Tuition Due Date	05/14/20
<b>Summer Term Begins</b>	05/18/20
Last day to Drop and receive tuition adjustment	05/20/20
Last day to Add classes	05/21/20
Memorial Day Holiday — College Closed	05/25/20
Last day to charge in the Bookstore	05/28/20
Fall Semester 2020 Returning Student Registration Begins	06/22/19
Summer Break for Students	06/29-07/03/20
Independence Day Holiday observed — College Closed	07/04/20
Fall Semester 2020 New Student Registration Begins	07/06/20
Final Date to Withdraw and receive a "W" grade	07/06/20
<b>Summer Term Ends</b>	08/03/20
Final Exams	08/04/20 08/05/20

## 2019-2020 Holidays — Campus Closed

Labor Day	September 2, 2019
Thanksgiving Holidays	November 26-29, 2019
Christmas Holidays	December 23-27, 2019
New Year's Holiday	January 1, 2020
Martin Luther King Day	January 20, 2020
Memorial Day	May 25, 2020
Independence Day observed	July 3, 2020

Calendar is subject to change

# Student Handbook

# Admissions Information

## Admissions Overview

The admissions policy and procedures of the State Board of the Technical College System of Georgia and the admissions procedure of Coastal Pines Technical College assure the citizens of Georgia equal access to the opportunity to develop the knowledge, skills, and attitudes necessary for them to secure personally satisfying and socially productive employment. By design and implementation, the policy and procedures will:

- Be nondiscriminatory to any eligible applicant regardless of race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, or citizenship status (except in those special circumstances permitted or mandated by law).
- Increase the prospective student's opportunities
- Guide the implementation of all activities related to admission to Coastal Pines Technical College and its programs, to student financial aid, and to the recruitment, placement, and retention of students
- Complement the instructional programs of Coastal Pines Technical College

## Admissions Process

Admission to CPTC is a multi-step process which consists of evaluation of prior academic experience and assessment for postsecondary readiness of eligible applicants.

Eligible Applicants Individuals 16 years of age or older or dually/jointly enrolled high school students in 9th, 10th, 11th, or 12th grades who seek access to quality instruction at the post-secondary level are eligible for admissions.

## Required Academic Criteria

To be admitted by Coastal Pines Technical College, applicants must satisfy one of the six academic readiness paths below:

1. High school graduates must submit an official high school transcript (including graduation date) that reflects the student has met the attendance, academic, and/or assessment requirements for the state's board of education or equivalent agency.
  - Secondary schools must be accredited by an agency included on the TCSG approved accreditation agency list.
  - Applicants with diplomas from secondary schools located outside the United States must have their transcripts evaluated for equivalency by an approved outside evaluation organization.
  - High school Certificates of Attendance or other certificates, credentials or documents where the student did not complete all required coursework or testing required for a high school diploma in that state are not recognized for admission purposes.
2. Submission of an official transcript reflecting the student has passed an examination the state recognizes as the equivalent of a high school diploma (e.g. GED).
3. The only exception to requirements 1 or 2 is for those students seeking enrollment into an approved basic workforce certificate that does not require a high school diploma or GED for admission.
4. Submission of an official transcript from each of one or more previously attended postsecondary institutions (accredited by an accepted accrediting agency) reflecting the successful completion (C or better) of a minimum of 30 semester or 45 quarter credit hours of coursework at the degree level.

5. Applicants who were home schooled in the state of Georgia and did not attend a recognized accredited program must submit:

- Certificate of Attendance form from the local superintendent's office or a Declaration of Intent to utilize a Home Study Program from the Georgia Department of Education verifying that the parent or legal guardian complied with the requirements of home study programs as referenced in O.C.G.A. § 20-2-690.
- Annual progress reports or a final transcript for the equivalent of the home-schooled student's junior and senior years (the final progress report or transcript must include the graduation date).

6. Applicants who were home schooled outside the state of Georgia and did not attend a recognized accredited program must submit:

- annual progress reports or a final transcript for the equivalent of the home-schooled student's junior and senior years (the final progress report or transcript must include the graduation date); and one of the following:
- SAT or ACT scores that meet or exceed the TCSG system and college minimum score requirements for program readiness.
- ACCUPLACER placement scores that meet or exceed the TCSG system and college minimum score requirements for program readiness.

7. Service members of the U.S. Air Force, Army, Coast Guard, Marines, or Navy may submit an official copy of their DD Form 214 indicating high school graduate or equivalent

The President of Coastal Pines Technical College may waive the high school diploma/high school equivalency, as described above, requirement for those pursuing a high school equivalency, as described above, who are otherwise eligible to enroll in a specific program of study.

Coastal Pines Technical College must evaluate students' readiness for degree, diploma, and certificate programs. Technical colleges may accept a student's official entrance score on the following validated assessment instruments if the scores meet the required minimums.

- SAT
- ACT
- PSAT
- General Education Development [GED®] scores of 145+ on English or Math
- Georgia Milestones Literature & Composition or Georgia Milestones American Literature & Composition (English admission requirement only)
- HOPE GPA after completion of 10th grade of 2.6 or high school GPA of 2.0 for approved entry level workforce certificates
- Accuplacer/Companion
- Compass/Asset

A student possessing an Associate's degree of higher from a regionally accredited institution shall be exempted from placement requirements.

Official transcripts from an accredited institution approved by the United States Secretary of Education documenting equivalent program-level English and math coursework successfully completed at other postsecondary institutions may be used to document a student's basic education skills and eliminate the need to complete that portion of the assessment instrument.

Subjective criteria such as, but not limited to, written or oral interviews, personality assessments, and letters of reference shall not be utilized as part of the evaluation for program readiness or admission. All criteria should be published and applied consistently to all applicants for a program.

# Admission Categories

Minimum admissions requirements for each diploma/degree program are established in accordance with the Technical College System of Georgia standards.

Students shall be admitted to Coastal Pines Technical College in one of the following categories: Regular, Provisional, Pending Admit, Special, or Transient.

## Regular Status

Students who meet all requirements for admission into a selected program and are eligible to take all courses in the program curriculum are granted regular admission status.

## Provisional Status

Students who do not meet all requirements for regular admission into a selected program are granted provisional admission status. Provisionally admitted students may take learning support classes, and certain specified occupational courses as long as class pre- and co- requisites are satisfied.

All certificate, diploma, and associate degree program students initially admitted on a provisional basis must have satisfactorily completed the necessary prerequisite and learning support course work in order to progress through the State Standard Curriculum.

Dual Enrollment students are not eligible for Provisional Admission status.

## Special Admit Status (Non-credential seeking)

Applicants who wish to take credit coursework, but are not seeking a certificate, diploma, or associate degree are granted Special Admit status. The following specifics define the parameters of this status:

- May apply up to a maximum of 25 quarter or 17 semester credit hours into a specific program for credential seeking purposes after achieving regular admit status. The number of hours taken as a special admit student in no way waives the requirements of the regular admission process.
- May enroll in classes only on a space-available basis.
- Must adhere to the specific institutional prerequisite requirements when selecting courses.
- Will not be eligible for any financial aid.

## Pending Admit Status (High School Seniors only)

Applicants who are in their final year of high school and are applying for a college term immediately after they graduate are granted Pending Admit Status. The following specifics define the parameters of this status:

- Applicants must submit a transcript showing the applicant is on track for completing all required high school courses before the semester they wish to enroll.
- Will be allowed to register for courses after course placement requirements have been met.
- A letter from the high school confirming the pending completion is encouraged to be sent with the transcript.
- These applicants are not eligible for federal financial aid until a final high school transcript has been received.

## Transient Status

Students who submit a Transient Agreement Letter from their home institution are granted Transient admission status. The Transient Agreement Letter must verify that the student is in good standing and must list the courses the student is eligible to take. A current Transient Agreement Letter is required for each term of enrollment.

## Readmission to the College

Students who have not attended CPTC in the past calendar year or who have enrolled at another institution must complete a new CPTC admission application. Applicants must provide transcripts from each institution attended since last being enrolled at CPTC. Applicants who are not in good academic standing at their former institution will be accepted on academic probation.

Students dismissed or suspended from CPTC for academic reasons may apply to re-enter after completing the designated absence. Consideration of the application for readmission will be made by the Vice President for Academic Affairs. Reapplying does not guarantee acceptance.

Upon re-entry to the college, regardless of the reason, all students must follow standards, policies, and regulations that are in effect at the time of re-entry. A change of program is considered a re-admission and application to change a program must be made through the Office of Admissions.



# Major Changes

A student who desires to change from diploma status to degree status should consult his/her program advisor. The student must meet degree admissions requirements and complete the Major Change portion of the Student Information Change Form. Changes must be made prior to the effective term. Changing programs or award types may change HOPE/Pell eligibility. Students should always consult with the Financial Aid Office prior to this type of transfer.

## Dual Majors

Coastal Pines Technical College students enrolled in a diploma program who desire to add an additional (dual) major may do so in a second diploma or technical certificate of credit program if all of the following criteria are met:

- the second program is in a related field
- regular admission status is achieved
- 50% or more of the primary diploma program has been completed
- program minimum grade point average (GPA) of 2.50
- The primary or secondary programs are not HOPE Career Grant eligible programs

## Program Transfer

Students who want to transfer from one program to another within the college must follow these procedures:

- Receive career counseling from an advisor prior to program transfer
- Complete the Major Change portion of the Student Information Change Form

# Competitive Admissions Program

Some allied health diploma and degree programs have competitive entry processes that vary among programs. Contact the appropriate program director for specific information.

Competitive entry requirements for each program may be found on the CPTC Allied Health Program web page at <http://www.coastalpines.edu/programs/allied-health-programs/> or contact the Admissions Office.

## Special Considerations for Clinical/Externship/Internship Programs

- Some clinical site facilities require a criminal background check for the purpose of clinical placements. Clinical placements are required components of the allied health program of study. All fees and expenses associated with a criminal background check are the responsibility of the student and are non-refundable.
- Some clinical site facilities require a drug screen for the purpose of clinical placements. Clinical placements are required components of the allied health program of study. All fees and expenses associated with a drug screen are the responsibility of the student and are non-refundable.
- Coastal Pines Technical College will not be responsible if, as a result of findings from a criminal background check, allied health students are not allowed at a clinical site or are not allowed to sit for the certification exam in their field or fail to secure employment.
- Coastal Pines Technical College will not be responsible if, as a result of findings from a drug screen, allied health students are not allowed at a clinical site or are not allowed to sit for the certification exam in their field or fail to secure employment.
- Any student who must take a prescription or over-the-counter medication that significantly alters his/her behavior or ability must notify the instructor and should not attend any clinical facility while under this medication.
- Any student suspected by the instructor or clinical personnel to be under the influence of alcohol or drugs while at a clinical facility may be requested to take a blood alcohol test or drug screen at the student's expense. The student will not be allowed to enter the clinical facility until favorable test results are available. A report indicating the use of alcohol or drugs/medications capable of altering behavior or ability may result in the student being permanently removed from the clinical facility, which may prevent completion of the program.

## Verification of Lawful Presence

Effective January 1, 2012, all students applying for in-state tuition must provide validation of lawful presence in the United States. The following documents will serve as proof of lawful presence in the United States and documentation will be required before a student is eligible for consideration of in-state tuition:

- A current Driver's License issued by the State of Georgia after January 1, 2008
- A current ID issued by the State of Georgia after January 1, 2008
- A current Driver's License or ID issued by a state that verifies immigration status and only issued to persons lawfully present in the United States

The Technical College System of Georgia (TCSG) will accept the following:

- Alabama: Issued after August 1, 2000
- Florida: Issued after January 1, 2010 AND have a gold star in the upper right hand corner
- South Carolina: Issued after November 1, 2008
- Tennessee: Issued after May 29, 2004
- A certified U.S. Birth Certificate showing the student was born in the U.S. or a U.S. territory (A photocopy is not acceptable.)
- An approved completed FAFSA for the current financial aid year
- A current, valid Permanent Resident Card (USCIS form 1-151 or 1-551)
- A current, valid military identification card for active duty soldiers or veterans
- A U.S. Certificate of Birth Abroad issued by the Department of State (DS-1350) or a Consular Report of Birth Abroad (FS-240)
- A current U.S. Passport
- A U.S. Certificate of Citizenship (USCIS form N-560 or N-561)
- A U.S. Certificate of Naturalization (USCIS form N-550 or N-570)

Any student who cannot be verified as lawfully present in the United States is not eligible to be considered for in-state tuition, regardless of how long he or she has lived in Georgia. In addition to being lawfully present in the United States, students must meet the in-state tuition requirements as outlined in TCSG Board Policy and Procedure 6.2.2 to warrant an in-state classification. Students that are initially classified as out-of-state and successfully petition to have their residency changed to in-state also have to meet the verification requirement.

## Georgia Residency Requirements

CPTC is responsible for the verification of the lawful presence of every successfully admitted student as required by state and federal immigration laws. Legal residence in the state of Georgia requires the establishment of a domicile in the State of Georgia with the intent to remain indefinitely. Coastal Pines Technical College has the responsibility of evaluating each application, while the student has the responsibility of conveying current and accurate residency information. This information is used in determining the appropriate tuition rate to be paid by each student. In accordance with the policy of the Technical College System of Georgia, CPTC recognizes three student residency categories: Georgia Resident, Out-of-State Student, and Non-Citizen Student. The rate of tuition charged is based on a student's status on the first day of the term.

Students applying for in state tuition must submit at least one secure and verifiable document defined in Georgia Code Section 50-36-1. The Georgia Code Sections can be found at [www.georgia.gov](http://www.georgia.gov).

## Georgia Student

To be classified as a Georgia Resident for tuition purposes, an independent student must show that he/she has established and maintained a domicile in Georgia for a period of at least 12 consecutive months immediately preceding the first day of classes for the term. 'Independent student' means an individual who is not claimed as a dependent on the federal or state income tax returns of a parent or United States court-appointed legal guardian and whose parent or guardian has ceased to provide support and right to that individual's care, custody, and earnings.

If an independent student classified as a Georgia Resident for tuition purposes relocates out of state temporarily but returns to Georgia within 12 months of the relocation, such student shall be entitled to retain his or her Georgia Resident tuition classification.

A dependent student shall be classified as a Georgia Resident for tuition purposes if the dependent student's parent or United States court-appointed legal guardian has established and maintained domicile in Georgia for at least 12 consecutive months immediately preceding the first day of classes for the term and:

- The student has graduated from a Georgia high school; or
- The parent claimed the student as a dependent on the parent's most recent federal or state income tax return.

'Dependent student' means an individual under the age of 24 who receives financial support from a parent or United States court-appointed legal guardian whose federal or state tax return lists the individual as a 'dependent'.

If the parent or United States court-appointed guardian of a dependent student currently classified as a Georgia Resident for tuition purposes establishes domicile outside of Georgia after having established and maintained domicile in Georgia, such student may retain his or her Georgia Resident tuition classification so long as such student remains continuously enrolled in a public postsecondary educational institution in Georgia, regardless of the domicile of such student's parent or United States court-appointed legal guardian.

In the absence of documentation that the individual has established legal residence in Georgia, no person shall gain Georgia Resident status while attending any educational institution in this state.

## **Non-Resident**

A student who is a lawful resident of the United States but who has not established a physical domicile in the State of Georgia for a period of at least 12 months prior to the first day of the term for which they seek enrollment. Students classified as Out-of-State Students will be assessed tuition at the rate twice that of a Georgia Student.

## **Exceptions**

Students in the following classifications are eligible for Out of State Tuition Exemption. These exemptions do not affect the student's eligibility for the HOPE Scholarship or Grant, except for exemptions for military personnel and their dependents and Move on When Ready students as provided for in the GSFC regulations.

Employees and their children who move to Georgia for employment with a new or expanding industry as defined in Georgia Code 20-4-40;

Full-time employees of the Technical College System of Georgia, their spouses, and dependent children;

Full-time teachers in a public school, a military base, or a public postsecondary college, their spouses, and dependent children;

United States military personnel stationed in Georgia and on active duty and their dependents living in Georgia;

United States military personnel, spouses and dependent children reassigned outside Georgia, who remain continuously enrolled and on active military status;

United States military personnel and their dependents that are Domiciled in Georgia, but are stationed outside the State;

Students who are Domiciled in out-of-state counties bordering on Georgia counties and who are enrolled in a Technical College with a local reciprocity agreement;

Career consular officers and their dependents that are citizens of the foreign nations which their consular office represents, and who are living in Georgia under orders of their respective governments. This waiver shall apply only to those consular officers whose nations operate on the principle of educational reciprocity with the United States.

Members of a uniformed military service of the United States who, within thirty-six (36) months of separation from such service, enroll in an academic program and demonstrate an intent to become domiciled in Georgia. This -exemption may also be granted to their spouses and dependent children. This exemption also applies to individuals eligible for transferred GI Bill benefits who within thirty-six (36) months of the transferor's separation from the uniformed military service of the United States enroll in an academic program and demonstrate an intent to become domiciled in Georgia. An individual or former service member so described retains the exemption if enrolled at the expiration of the thirty-six month window and remains continuously enrolled (other than during regularly scheduled breaks) and uses educational benefits, even if the student enrolls in multiple programs.

Students using transferred GI Bill while the transferor is on active duty who demonstrate an intent to become domiciled in Georgia and students using the Marine Gunnery John David Fry Scholarship who demonstrate an intent to become domiciled in Georgia

Students who are described as covered individuals in 38 U.S.C 3679(c)

Students who are dually enrolled and participating in Move on When Ready.

Notwithstanding any exception outlined above, no person who is unlawfully present in the United States shall be eligible for any exemption of the tuition differential.

## Non-Citizen

Any student not a legal citizen of the United States shall be classified as a Non-Citizen Student. A Non-Citizen Student lawfully present may be classified as a Georgia Student if there is evidence to warrant such classification. In the absence of such classification, a Non-Citizen Student is to be charged a rate of tuition four times the rate of a Georgia Student.

Coastal Pines Technical College is not authorized by the Office of Immigration and Naturalization Services (INS) to issue I-20's or student visas. It is the student's responsibility to comply with all appropriate INS regulations.

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Full-time teachers in a public school, a military base, or a public postsecondary college, their spouses, and dependent children;

United States military personnel stationed in Georgia and on active duty and their dependents living in Georgia;

United States military personnel, spouses and dependent children reassigned outside Georgia, who remain continuously enrolled and on active military status;

United States military personnel and their dependents that are Domiciled in Georgia, but are stationed outside the State;

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Notwithstanding any exception outlined above, no person who is unlawfully present in the United States shall be eligible for any exemption of the tuition differential.

## Non-Citizen

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Coastal Pines Technical College is not authorized by the Office of Immigration and Naturalization Services (INS) to issue I-20's or student visas. It is the student's responsibility to comply with all appropriate INS regulations.

## Exceptions

Students in the following classifications are eligible for Out of State Tuition Exemption. These exemptions do not affect the student's eligibility for the HOPE Scholarship or Grant, except for exemptions for military personnel and their dependents and Move on When Ready students as provided for in the GSFC regulations.

- Employees and their children who move to Georgia for employment with a new or expanding industry as defined in Georgia Code 20-4-40;
- Full-time employees of the Technical College System of Georgia, their spouses, and dependent children;
- Full-time teachers in a public school, a military base, or a public postsecondary college, their spouses, and dependent children;



- United States military personnel stationed in Georgia and on active duty and their dependents living in Georgia;
- United States military personnel, spouses and dependent children reassigned outside Georgia, who remain continuously enrolled and on active military status;
- United States military personnel and their dependents that are Domiciled in Georgia, but are stationed outside the State;
- Students who are Domiciled in out-of-state counties bordering on Georgia counties and who are enrolled in a Technical College with a local reciprocity agreement;
- Career consular officers and their dependents that are citizens of the foreign nations which their consular office represents, and who are living in Georgia under orders of their respective governments. This waiver shall apply only to those consular officers whose nations operate on the principle of educational reciprocity with the United States.
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- Students who are described as covered individuals in 38 U.S.C 3679(c)
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Notwithstanding any exception outlined above, no person who is unlawfully present in the United States shall be eligible for any exemption of the tuition differential.

## Non-Citizen

Any student not a legal citizen of the United States shall be classified as a Non-Citizen Student. A Non-Citizen Student lawfully present may be classified as a Georgia Student if there is evidence to warrant such classification. In the absence of such classification, a Non-Citizen Student is to be charged a rate of tuition four times the rate of a Georgia Student.

Coastal Pines Technical College is not authorized by the Office of Immigration and Naturalization Services (INS) to issue I-20's or student visas. It is the student's responsibility to comply with all appropriate INS regulations.

Non-Citizen Students must complete the following requirements in addition to the admissions procedures for new students:

- Provide an official English translation and evaluation of all secondary and postsecondary records performed by an independent credential evaluation agency at the student's expense.
- Score at the provisional level or higher on the COMPASS/ACCUPLACER

Students with diplomas from secondary schools located outside the United States must have their transcripts evaluated for equivalency by an approved evaluation organization or attain a GED®.

## Placement Testing

Coastal Pines Technical College (CPTC) believes that a student must have the basic educational skills necessary to be successful. The assessment provides CPTC the opportunity to serve the students better through quality placement. The official placement exam approved for use by Coastal Pines Technical College and sanctioned by

the Technical College System of Georgia is the ACCUPLACER exam. However, in the place of ACCUPLACER, CPTC may accept a student's official entrance score on any TCSG validated assessment instrument. This placement exam evaluates reading, writing, math, and algebra skills.

Applicants must show a photo I.D. to gain entrance to the testing session. Students who do not possess a photo I.D. may notify the Admissions Office in advance of testing and prove identification through a combination of birth certificate, social security card and other forms of identification. An applicant who does not possess photo identification at the time of testing and who has not made prior arrangements will not be allowed to test.

[What is the Accuplacer Test?](#)

[Accuplacer Study App](#)

[Accuplacer Study App Login Info](#)

Accuplacer Reading Preparation

[Video 1](#)

[Video 2](#)

Accuplacer Sentence Skills Preparation

[Video 1](#)

[Video 2 \(Part 1\)](#)

[Video 3 \(Part 2\)](#)

Accuplacer Arithmetic Preparation

[Video 1](#)

[Video 2](#)

Accuplacer Elementary Algebra Preparation

[Video 1 \(Part 1\)](#)

[Video 2 \(Part 2\)](#)

[Video 3 \(Part 3\)](#)

Applicants will be admitted with regular status to an **associate degree program** with the following scores:

Test	Reading	Writing	Numerical	Algebra
NEXT GENERATION ACCUPLACER	236	249		245
CLASSIC ACCUPLACER	64	70		57
ASSET	41	40		42
COMPASS	79	62		37
SAT*	17	17	21	
PSAT (after March 2016)	17	17	21	
ACT/PACT	16	14	17	
GA Milestones ELA	525	525		
GED (2014 and after)	145		145	
HOPE GPA (after 10th grade)	2.6			

If an applicant has earned an AAS/AS or higher, they are eligible for degree level courses.

Applicants will be admitted with regular status to a **diploma or certificate program** (with the exception of Commercial Truck Driving, Nurse Aid, and Business & Customer Service Technician) with the following scores:

Test	Reading	Writing	Numerical	Algebra
NEXT GENERATION ACCUPLACER	224	236	229	
CLASSIC ACCUPLACER	55	60	34	
ASSET	38	37	32	
COMPASS	70	32	26	
SAT*	16	15	18	

ACT/PACT	14	13	14
PSAT (after March 2016)	16	15	18
GAHSGT	235	235	
GA Milestones ELA	525	525	
GED (2014 and after)	145		145
HOPE GPA (after 10th grade)	2.6		

If an applicant has earned an AAS/AS or higher, they are eligible for diploma level courses.

The following programs are Entry Level Workforce Certificates.

Administrative Support Assistant (AS21), Advanced Shielded Metal Arc Welder (OSM1), Advanced Emergency Medical Technician (AEMT), Air Conditioning Electrical Tech (ACK1), Air Conditioning Tech. Assistant (AZ31), Auto/Electrical/Electronics Systems Technician (AE41), Automotive Chassis Tech. Specialist (ASG1), Automotive Climate Control Tech. (AH21), Automotive Collision Repair Assist. I (AB51), Automotive Collision Repair Assist. II (AZ51), Automotive Engine Performance Tech. (AE51), Automotive Engine Repair Tech. (AE61), Automotive Refinishing Assist. II (AP71), Automotive Transmission/Transaxle Tech Specialist (AA71), Basic Shielded Metal Arc Welder (FS31), Basic Timber Harvesting (BT41), Certified Construction Worker (CCW1), Child Development Specialist (CD61), CNC Specialist (CS51), Commercial Wiring (CW31), CompTIA A+ Certified Preparation (CA61), CompTIA A+ Certified Technician Preparation (CA71), Crime Scene Fundamentals (CZ31), Diesel Electrical & Electronic Systems Technician (DE11), Diesel Engine Service Technician (DE21), Drafter's Assistant (DA31), Early Childhood Care & Education Basics (EC31), Electrical Lineworker (EL11), Emergency Medical Technician (EMJ1), Garden Center Technician (GC31), Gas Metal Arc Welder (GM31), Gas Tungsten Arc Welder (GTA1), Heavy Diesel Service Technician (HS31), Help Desk Specialist (HD41), Industrial Fluid Power Technician (IF11), Introduction to Criminal Justice (IT51), Landscape Specialist (LS11), Manufacturing Maintenance Fundamentals (MM11), Microsoft Office App. Professional (MF41), Microsoft Office App. Specialist (MF51), Microsoft Word App. Professional (MWA1), Mobile Electronics Technician (ME61), Office Accounting Specialist (OA31), \*\*Prep Cook (PC51), Programmable Control Technician (PC81), \*\*Shampoo Technician (ST11), Small Business Marketing Manager (SB51), Timber Harvesting Operations (THO1)

\*\* Dual Enrollment Only

Applicants will be admitted to these programs if they have met regular diploma or certificate level score requirements or have met the requirements listed below:

Test	Reading	Writing	Numerical	Algebra
NEXT GENERATION ACCUPLACER	218	222	223	
CLASSIC ACCUPLACER	36	30	23	
ASSET	29	32	29	
COMPASS	46	15	17	
High School GPA	2.0			
TABE 9-10 (Levels M, D, or A)	461		442	
TABE 11-12 (Levels M & D)	501		496	
TABE 11-12 (Level A)	536		537	
Experienced Worker	Must show 2 years of successful work experience in same field			

\*The SAT was redesigned on March 1, 2016. The scores in the table above reflect scores from SATs taken after that date. For SAT scores before that date, a SAT Math score of 380 or higher for degree programs and 310 or higher for diploma programs exempts placement testing. For SAT Critical Reading scores before March 1, 2016, a score of 290 for degree programs and 270 for diploma programs exempts placement testing.

**The following programs do not require a high school diploma:**

Business & Customer Service Technician, Commercial Truck Driver, and Nurse Aid

**General Reminders**

- Bring a picture ID for entry into the testing lab
- Do NOT bring cell phones or children with you to the test
- Allow two to three hours to take test



# Financial Aid Information

## Financial Aid Procedures

It is recommended that anyone desiring financial aid apply six to eight weeks prior to the time the aid will be needed. Applications and information, including assistance in completion of forms, are available in the Financial Aid Office on the Waycross, Jesup, Golden Isles or Baxley campus and by appointment at all locations. The Financial Aid Office phone numbers for the following locations are: Waycross (912) 287-6584; Jesup (912) 427-5800; Baxley (912) 367-1700; Alma (912) 632-0951; Hazlehurst (912) 379-0041, Golden Isles (912) 262-4999; Camden (912) 510-3327.

Coastal Pines has several types of financial assistance to help qualifying applicants pay for their education. Funds are available through Federal and State aid as well as other scholarship and grant programs. Grant and scholarship programs operate on an award year basis beginning July 1 and ending June 30. Students must apply or re-apply each year in order to receive or continue receiving financial aid.

Basic eligibility requirements include but are not limited to the following:

- be enrolled as a regular or provisional student in an eligible certificate, diploma, or associate degree program
- be a U.S. citizen or eligible non-citizen
- have earned a high school diploma or equivalent
- be registered with Selective Service, if required
- not be in default on a Federal Title IV or State of Georgia educational loan or owe a refund due to over-award on a previously received grant
- agree to use any funds received only for educationally related purposes
- maintain satisfactory academic progress in accordance with Coastal Pines Technical College procedure
- certify that they will not engage in the unlawful manufacture, distribution, possession, or use of a controlled substance while receiving financial aid
- must not be recently convicted on felony drug related charges
- meet other program requirements

## Eligibility Requirements

Basic eligibility requirements may include but are not limited to the following:

- be enrolled as a regular or provisional student in an eligible certificate, diploma, or associate degree program
- be a U.S. citizen or eligible non-citizen
- have earned a high school diploma or equivalent, or demonstrated the ability to benefit from the course of study
- be registered with Selective Service, if required
- not be in default on a Federal Title IV or State of GA educational loan or owe a refund due to an over-award on any previously received grant
- agree to use any funds received only for educationally related purposes
- maintain satisfactory academic progress in accordance with Coastal Pines Technical College procedure
- certify that they will not engage in the unlawful manufacture, distribution, possession, or use of a controlled substance while receiving financial aid
- must not be recently convicted on felony drug related charges
- meet other program requirements

## Application Procedures for Pell Eligible Programs

Students who will be enrolled in a Federal Pell eligible program must complete the Free Application for Federal Student Aid (FAFSA). All students must use their legal name as it appears on their social security card. Using anything other than their legal name will result in major delays during processing. **Coastal Pines Technical College's Title IV Institution Code is 005511.** Students can electronically access FAFSA on the Web at [www.fafsa.ed.gov](http://www.fafsa.ed.gov) or complete either the paper application (requests for paper application must be made by calling (800) 4-FEDAID) and mail the paper application in the envelope provided to the Department of Education for processing. Either of these methods will allow the Financial Aid Office to receive your application information electronically. Other Coastal Pines Technical College forms need to be completed and returned to the Financial Aid Office.

If the FAFSA application is mailed, the student can expect to receive a Student Aid Report (SAR) from the processing center in four to six weeks. All pages of the SAR must be submitted to the Financial Aid Office.

If the FAFSA application is processed on-line, the student must either mail their signed signature page to the address provided or electronically sign the application as instructed. The Central Processing System will then determine eligibility for financial aid within 72 hours. A SAR will be mailed to the student.

If a FAFSA has been submitted and processed, there is no need to submit a separate application for the HOPE Grant or Scholarship. This is due to the Federal and State processing centers sharing information. Determination of eligibility will be made once all required forms and documents are received and processed.

**Please check BannerWeb account weekly in order to check the status of your application process.**

## Application Procedure for Non-Pell Eligible Programs

Students who will be enrolled in a non-Pell eligible program must complete either a FAFSA or the HOPE Application. This form, as well as any other forms, must be completed, submitted, and processed before the determination of any eligibility can be made by the Financial Aid Office. If a student's schedule or major changes after registration, the financial aid award is subject to change.

# Financial Aid Programs

## Federal Pell Grant Program

The Federal Pell Grant Program — <http://www.studentaid.ed.gov> - is a federally funded award to help persons who have not earned a bachelor's degree pay for their education after high school. The amount a student receives will depend on the EFC (Expected Family Contribution) shown on the SAR (Student Aid Report) or ISIR (Institutional Student Information Record), how many registered course credit hours, the cost of attendance, program eligibility and the size of the federal appropriations. Lifetime Pell eligibility is limited 600% or 18 semesters.

## Federal Supplemental Educational Opportunity Grant (FSEOG)

The Federal Supplemental Educational Opportunity Grant (SEOG) -<http://www.studentaid.ed.gov> - is a federal program that provides assistance for students with exceptional need. Need is determined by the EFC (Expected Family Contribution) shown on the SAR or ISIR. Awards range from \$400 to \$1000 per term. Priority is given to students who have maximum eligibility and have a higher cumulative grade point average. Students must not be receiving assistance from any other service or form of Financial Aid other than the Federal Pell Grant and HOPE to get FSEOG. Students must be receiving a Federal Pell Grant to be considered.

## Federal Work Study (FWS)

The Federal Work Study Program — <http://www.studentaid.ed.gov> - is a federal program that provides jobs for students with financial need, allowing them to earn money to help pay educational expenses. Students must be enrolled in a Title IV eligible program to be eligible.

1. Once registered for class(es), interested students should come by the Financial Aid Office to complete an application and notify Financial Aid they are interested in Work-Study.
2. The Financial Aid Office calculates the student applicant's need according to the Federal regulations to determine eligibility for Federal Work-Study and forwards eligibility to Career Services.
3. The Career Services Office instructs eligible students to apply on the College's website and forwards eligible student's applications to hiring department.
4. Work-Study candidates will be contacted for an interview by the department hiring.
5. Departments will select those to be employed and notify the Career Services Office.
6. The Career Services Office will submit a completed background check form to Human Resources for processing. Work Study contract information will be submitted to the departmental payroll person upon clearance and approval of the background check.
7. The newly hired student will complete all required payroll paperwork and return it to the departmental payroll person.
8. Student employees will be assigned an employee ID number to clock in and out on either a biometric clock or Coastal Pines Technical College's web-based time card system. At the end of each work-week, student employees will need to verify their time on the web-based time card system. Their weekly time will then be verified by their direct supervisor and the director of the assigned department.
9. The Career Services Office receives hours worked and salary information on student employees on a monthly basis.

## HOPE Grant (Helping Outstanding Pupils Educationally)

The HOPE Grant - <http://www.GAfutures.org> - is a state funded award which will pay a percentage of tuition based on a factor rate set by the Georgia Legislature each year for all eligible students enrolled in diploma and technical certificate of credit programs. Continuing Education courses are not covered by the HOPE Grant. Georgia residency documents are required as proof to be considered for eligibility of this grant. There are two

eligibility checkpoints: first when a student reaches 30 semester hours and second after 60 semester hours, based on HOPE Grant Paid Hours. To continue receiving HOPE, a student must have a 2.0 HOPE GPA at the 30th hour. Students who lose eligibility at the 30th hour can regain eligibility once at the 60th hour with a 2.0 GPA. Learning support coursework and dual enrollment coursework are excluded from the HOPE GPA calculation and checkpoints. HOPE Paid Hours prior to the implementation of the HOPE cap (prior to July 2003) do not count in HOPE Grant GPA or checkpoint calculations. Students with baccalaureate degrees cannot receive HOPE. HOPE Grant awards are limited to paying for a total of 63 semester credit hours beginning with courses taken in July 2003.

## Zell Miller Grant

The Zell Miller Grant – <http://www.GAfutures.org> – is a state funded award that will pay 100% of the approved standard tuition rate for eligible students seeking a diploma or technical certificate of credit. Students must have a Cumulative HOPE Grant GPA of 3.5. A student must be eligible for HOPE Grant. Students may receive 63 semester credits combined HOPE Grant and Zell Miller Grant Paid Hours.

## HOPE Scholarship (Helping Outstanding Pupils Educationally)

The HOPE Scholarship - <http://www.GAfutures.org> - is a state funded award that will pay a percentage of tuition based on a factor rate set by the Georgia Legislature each year for all eligible students seeking an associate degree. Georgia residency documents are required as proof to be considered for eligibility of this grant. To be eligible as a first-year student, a student must be a 1993 or later graduate of an eligible high school and earn a "B" average as determined by Georgia Student Finance Commission. A "B" average is a 3.00 cumulative grade point average on a 4.00 scale. If ineligible as a first-year student, a student may gain eligibility by maintaining a 3.00 HOPE scholarship cumulative grade point average after the school term in which 30 or 60 transferable semester hours of degree credit has been attempted. A student must not have exceeded his or her expiration of eligibility limits as describe by Georgia Student Finance Commission HOPE Scholarship Regulations found on the [GAfutures.org](http://www.GAfutures.org) website. Student may log into his or her GAfutures account to check their expiration date.

A student must not have already earned a baccalaureate degree or have attempted more than 127 semester hours of college credit.

Students must maintain a HOPE scholarship cumulative grade point average of 3.0 or better at the end of spring term (unless they are a less-than-full-time student who has taken less than 30 credits) and in the terms in which they have attempted 30, 60, and 90 credit hours. Failure to meet the cumulative GPA requirements at these check points will result in the loss of the HOPE Scholarship. A HOPE Scholarship recipient who has lost HOPE Scholarship Eligibility at two Checkpoints since Fall term 2011 cannot regain Eligibility. A student must have been receiving HOPE to be considered as having lost HOPE. More detailed information on eligibility and how a HOPE scholarship cumulative grade point average is calculated may be obtained from the Financial Aid Office.

## Zell Miller Scholarship

The Zell Miller Scholarship is a state funded award that will pay 100% of the standard tuition rate for eligible students seeking an associate degree. Students must have a Georgia High School GPA of 3.7, as determined by O.C.G.A 20-2-157, and receive a score of at least 1200 combined critical reading score and math score on a single administration of the SAT or an ACT composite scale score of at least 26, or graduated as a valedictorian or salutatorian from an eligible high school. Students must have 3.3 GPA at all checkpoints (30, 60, 90, 3-term, and End of Spring). Students who lose eligibility at a checkpoint may regain eligibility once. Students who lose eligibility for Zell Miller Scholarship but still have at least a 3.00 GPA at a 60 or 90 checkpoint may continue to receive HOPE Scholarship.



## HOPE GED Grant Program

The HOPE GED Voucher program— <http://www.GAfutures.org> - is a state grant for \$500 that is awarded to Georgia GED® test takers who pass the GED® exam after July 30, 1993. After passing the GED® Test, graduates will receive a voucher for \$500 in the mail. Graduates wishing to use their voucher need to sign it and bring it to the Financial Aid Office. Residents must enroll and attend classes in order to use their voucher.

## HOPE Career Grant (formerly Strategic Industries Workforce Development Grant (SIWDG))

The HOPE Career Grant is a state funded award for students enrolled in a Commission approved, designated diploma or certificate program of study who meets all eligibility requirements for the HOPE Grant and is receiving a HOPE Grant award for a term is also eligible for a HOPE Career Grant award for that term. High school students participating in dual credit enrollment are not eligible for the HOPE Career Grant award. HOPE Career Grant awards are based on the student's program of study and the number of hours of enrollment.

## Student Access Loans (SAL)

Student Access Loan (SAL) - <http://www.GAfutures.org> - is a state funded, low-interest student Loan program for eligible Georgia students. Applicants must complete a FAFSA application and it must be electronically received by GSFC prior to completion of the SAL application. SAL applicants will be processed on a first come, first served basis. Selections of applications will continue based on availability of funds.

## Private (Alternative) Educational Loans

Sallie Mae - <http://www.salliemae.com> - is a private loan and should be used as a last resort to pay for tuition and fees only. Applicants must complete a FAFSA application and submit any necessary verification documentation, if selected for verification. This will ensure that the student has been awarded all applicable Federal and State Aid before applying for a Private Student Educational Loan. CPTC will only certify a private educational loan for up to the amount of tuition and fees.

Please remember that private student loans have much more in common with credit card debt than Federal Student Loans and should be handled responsibly. They are NOT guaranteed by the Federal Government and have different requirements and regulations.

## Veterans Assistance

Credit programs at Coastal Pines Technical College are approved for Veterans Affairs Educational Benefits. Students eligible for Veterans Affairs Educational Benefits should contact the Financial Aid Office. Application forms and assistance in filing for education benefits are available online at [www.va.gov](http://www.va.gov).

- Veterans must attend scheduled classes and continue to show satisfactory progress. Benefit payments will not be made for courses from which the student does not continue to attend.
- Receiving Veterans Affairs Education Benefits does not prevent a student from applying or receiving other forms of financial aid

Any Veteran student with 100% eligibility under Chapter 31, Vocational Rehabilitation and Employment benefits, or with Chapter 33, Post 9/11 benefits, with a certificate of eligibility contract on file with the Certifying Official's Office can attend or participate in classes from the beginning of the term without payment of tuition or fees. The delayed disbursement funding from the VA under chapter 31 or 33 will not cause a penalty to be imposed to the account of any covered individual, including the assessment of late fees, denial of access to classes libraries, or other institutional facilities. A covered individual will not be required to borrow additional funds to pay outstanding tuition and fee charges caused by the delayed disbursement of VA funding.

Covered individuals must submit a certificate of eligibility for entitlement to the VA Certifying Official no later than the first day of the term as well as provide any additional information necessary for proper certification of enrollment. Individuals with chapter 33 benefits less than 100% must pay the difference between the amount of the student's financial obligation and the amount of the VA education benefit disbursement by the tuition and fees payment deadline each term.

Books and supplies for individuals covered under chapter 33 are an out-of-pocket expense. The covered student will receive a stipend from the VA and this may or may not arrive before the first of the semester. Other forms of financial aid may be used in the Bookstore at the beginning of the term.

Students covered under chapter 31 will be allowed to purchase books and supplies per the terms of their contract.

For specific questions regarding individual eligibility, call the VA Atlanta Regional Processing Office at 1-800-827-1000 or visit <http://www.gibill.va.gov>.

## Georgia HERO Scholarship (Helping Educate Reservists and their Offspring)

Georgia HERO program was created to provide educational grant assistance to members of the Georgia National Guard and U.S. Military Reservists who served in combat zones or the children of such members of the Georgia National Guard and U.S. Military Reserves. Recipients may receive up to \$2,000 per academic year. For eligibility criteria and official program regulations, please visit [www.GAfutures.org](http://www.GAfutures.org).

## Scholarship Opportunities



A priority of the CPTC Foundation is scholarship and grant opportunities for students. Since its inception, the Foundation has awarded thousands of dollars in scholarships and grants to assist students in pursuit of higher education. CPTC graduates contribute to a pool of highly qualified workers that attract new industry and sustain existing workforce needs. Upon employment, CPTC graduates strengthen the economy of Southeast Georgia in that most live and work near their alma mater. For this reason, students and student success are and will remain a priority for the CPTC Foundation. For more information about the CPTC Foundation and the Board of Trustees – please visit our website <http://cptcfoundation.com/>

The Foundation Board of Trustees raise funds through various ways including fundraisers such as the Annual John P. Pike Golf Tournament, Annual Sporting Clays Shoot and others. We have tremendous support from our community partners in our service are who donate to the Foundation annually to help the College train their future workers. Many people and business set up scholarships and endowments in honor and memory of loved ones in our area by donating money to the Foundation to help students as well. We also have wonderful support from the CPTC staff who donate through an internal campaign right back to the College to help their own students with their own education.

The Foundation offers around 50 different scholarship opportunities for students to apply for eligibility. The scholarship application eligibility deadlines are announced prior to the upcoming semesters but generally are available for the prior 5 weeks or so before the semester begins. To see if a student qualifies for any one or more of these scholarship opportunities, the student needs to:

- Go to our website and fill out one standard application - <http://cptcfoundation.com/apply/>

(student must use their college log in and password in order to apply)

- The student must be already accepted to the College and registered for classes to the upcoming semester in order to apply for a CPTC scholarship.
- The student must fill out all financial aid paperwork in advance before filling out his or her CPTC scholarship.

Please contact Stephanie Roberts, Director of Institutional Advancement, [sroberts@coastalpines.edu](mailto:sroberts@coastalpines.edu) if you have any questions.

## Other Financial Aid Options

WIOA: The Workforce Innovation and Opportunity Act - the purpose of this act is to prepare economically disadvantaged youth and unskilled adults, or persons facing serious barriers to employment, with the training necessary for entry into the labor force. Contact the Financial Aid Office for more information, or click on the links below:

- Appling, Jeff Davis and Wayne - WorkSource Heart of Georgia (HOG)
- Bacon, Brantley, Clinch, Charlton, Pierce, and Ware - WorkSource Southern
- Camden, Glynn, Long, and McIntosh - WorkSource Coastal

Division of Rehabilitation Services: Assistance is available for qualifying handicapped students. Students should contact their local office of the Department of Human Resources, Division of Rehabilitation Services for details.

General Aid: Various civic, social, professional and other organizations provide scholarships for deserving students. In most cases, financial aid is awarded based upon academic performance, financial need and availability of funds. Contact the Financial Aid Office for more information.

## Tuition Payment Plan (NelNet)

Tuition payment plans break down the student tuition and fees balance into monthly payments.

There is no interest, payment options are flexible, setup fees are affordable, and it's easy to enroll.

### Payment Methods

Payments are processed on the 5th of each month and will continue until the balance is paid in full. If a credit/debit card is used, a convenience fee in addition to the enrollment fee will be assessed.

### Cost to Participate

- \$40 nonrefundable enrollment fee per semester (Fall, Spring and Summer) to participate, depending on the enrollment date (ACH & credit/debit card)
- \$2 enrollment fee for an immediate full payment (Note: Full payments can be made directly to CPTC through BannerWeb at no additional charge.)
- \$30 returned payment fee if a payment is returned
- A convenience fee of 2.75% will be added to every payment if a credit/debit card is used.

### Steps to Enroll

- Determine total tuition and fees assessed and approximate amount of Bookstore credit needed for course materials.
- Go to [www.coastalpines.edu](http://www.coastalpines.edu)
- Click on Financial Aid
- Enroll in Tuition Payment Plan

# Financial Aid Links

HomeFinancial Aid

**FEDERAL APPLICATION FOR FEDERAL STUDENT AID (FAFSA)** | The U.S. Department of Education's office of Federal Student Aid provides more than \$150 billion in grants, loans, and work-study funds for college or career school each year. It all begins with completing FAFSA - Federal Application for Federal Student Aid. Please remember that FAFSA must be completed **each year** after submitting income tax returns in order to continue receiving financial aid. [Click here for your FSA ID.](#)

**GAFUTURES** | Helping Students, Plan, Apply and Pay for College An online resource system to help students and their families select a college, apply for Admissions, and plan to finance higher education provided by the Georgia Student Finance Commission.

**NSLDS – STUDENT ACCESS** | The National Student Loan Data System (NSLDS) is the U.S. Department of Education's (ED's) central database for student aid. NSLDS Student Access provides a centralized, integrated view of Title IV loans and grants so that recipients of Title IV Aid can access and inquire about their Title IV loans and/or grant data.

**SELECTIVE SERVICE SYSTEM** | Link provides access for males to register or verify their registration status. Males born on 01/01/1960 and after must be registered with the Selective Service in order to be eligible for Federal and State Financial Aid (this includes Scholarships, Grants, and Student Loans).

**SOCIAL SECURITY ADMINISTRATION** | Application for a Replacement Social Security Card

**DEPARTMENT OF VETERAN AFFAIRS EDUCATION BENEFITS** | Coastal Pines Technical College is approved for veteran's training under various programs. Check with the Office of Financial Aid prior to enrolling in a course to assure that a particular course meets current approval for VA Benefits.

**FASTWEB** | FastWeb is the largest and most complete scholarship search on the Internet. It provides access to a searchable database of more than 400,000 private sector scholarships, fellowships, and grants available to students.

**SCHOLARSHIP.COM** | Scholarships.com offers free scholarship and college search, reliable information about scholarships, grants & other free money, along with hundreds of pages of other helpful contact, addressing all aspects of the financial aid process and college life.

**FINAID! - THE SMARTSTUDENT GUIDE TO FINANCIAL AID** | FinAid is the most comprehensive source of student financial aid information, advice and tools -- on or off the web.

**GO BUILD GEORGIA HIGH DEMAND CAREER SCHOLARSHIPS** | Go Build Georgia High Demand Career Scholarships will be awarded to graduating high school seniors entering a TCSG institution in a field of study leading to a high demand career in the skilled trades.

**1098T FAQ** | For more information on the 1098T form and how to get your student tuition payment statement, please follow the hyperlink.

# Types of Financial Aid Forms

Declaration of No Income Parent

Declaration of No Income Spouse

Declaration of No Income Student

Dependent Student Household Members Verification Worksheet

Dependent Student Tax and Income Verification Worksheet

FA Bachelor-Graduate Degree Form

Federal Workstudy Application Request

Financial Aid Information Form

Financial Aid Award Packet

High School Completion Verification Worksheet

HOPE Scholarship Evaluation Request Form

Identity Verification and Statement of Educational Purpose

Independent Student Household Members Verification Worksheet

Independent Student Tax and Income Verification Worksheet

Missing Signature Page

Private Educational Loan Entrance Counseling Form

Private Educational Loan Exit Counseling Form

Satisfactory Academic Progress Appeal Form

SAL Educational Loan Entrance Counseling Form

SAL Educational Loan Exit Counseling Form

Unusual Enrollment History Verification Form

# Veteran Services

## Educational Benefits

Former service personnel, current military service members, and their dependents may be eligible for education benefits provided by Veterans Affairs. Coastal Pines Technical College has staff available in the Financial Aid Office to help you understand the process of receiving the benefits you've earned. For specific information about your GI Bill education benefits, visit [www.benefits.va.gov/benefits](http://www.benefits.va.gov/benefits) or call 1-888-GI-Bill (1-888-442-4551).

- Chapter 33 Post 9/11
- Chapter 30 Montgomery GI Bill – Active Duty (MGIB-AD)
- Chapter 1606 Montgomery GI Bill – Selected Reserve (MGIB-SR)
- Chapter 1607 Reserve Educational Assistance Program (REAP)
- Chapter 35 Survivor's and Dependent's Educational Assistance (DEA)

## Apply

If this is your initial claim for educational benefits, you will need to complete an Application for Benefits (VA form 22-1990/VA Form 22-5490 for Chapter 35). The Department of Veteran Affairs has provided veterans and current military service members an online version of the application through *eBenefits*. Visit [www.ebenefits.va.gov](http://www.ebenefits.va.gov) to register for a premium account and apply for your educational benefits. The website gives you the opportunity to track your eligibility for any benefits received from VA.

You are also able to print the Application for Benefits (VA form 22-1990/VA Form 22-5490 for Chapter 35) through [www.benefits.va.gov/benefits](http://www.benefits.va.gov/benefits) or visit a local Georgia Department of Veterans Service for assistance with completing the VA form 22-1990/VA form 22-5490.

Once you have been approved by the VA Processing Center, you will receive a Certificate of Eligibility (COE). Please submit a copy of the COE to our office. We will use the certificate to certify your enrollment so you are able to begin receiving your benefits.

## Change of Program/Place of Training

If you are changing your program major, you will need to complete a Request for Change of Program or Change of Place of Training form (VA Form 22-1995/VA Form 22-5495 for Chapter 35).

If you have already been approved for VA educational benefits and decide to transfer the benefits to our institution, you will need to complete a *Request for Change of Program or Change of Place of Training* form (VA Form 22-1995/VA Form 22-5495 for Chapter 35).

To obtain a copy of the *Request for Change of Program or Change of Place of Training* form visit [www.benefits.va.gov/benefits](http://www.benefits.va.gov/benefits) to download the form. Once you have completed the form, drop it by the Financial Aid Office at CPTC.

## Certification of Enrollment

Once our office has determined your eligibility for education benefits, our School Certifying Official (SCO) will verify your enrollment at Coastal Pines Technical College and submit a certification to the VA Regional Office.

### Laura Walker

Financial Aid Technician

Primary VA School Certifying Official

Phone: 912-338-5252

[lwalker@coastalpines.edu](mailto:lwalker@coastalpines.edu)

### Tina Manning

Financial Aid Director

VA School Certifying Official

Phone: 912-427-5814

[tmanning@coastalpines.edu](mailto:tmanning@coastalpines.edu)

## Enrollment Status Changes and Withdrawals

It is your responsibility, as a student, to notify CPTC School Certifying Official immediately of any changes in your enrollment status, program of study, place of training, etc. These changes may impact your eligibility for VA benefits.

## Resources

Department of Veterans Affairs	<a href="http://www.benefits.va.gov/benefits">www.benefits.va.gov/benefits</a>
Monthly Enrollment Verification of Attendance	877-823-2378
(WAVE)	<a href="http://www.gibill.va.gov/wave/index.do">www.gibill.va.gov/wave/index.do</a>
Veterans Crisis Line	Phone: 800-273-8255 x1 Text: 838255
Available 24 hours a day, 7 days a week	Web: <a href="http://veteranscrisisline.net">http://veteranscrisisline.net</a>
National Call Center for Homeless Veterans	877-4AID-VET Cathy Montgomery 912-427-6265 <a href="mailto:cmontgomery@coastalpines.edu">cmontgomery@coastalpines.edu</a>
Counseling / Disability Services	912-287-4837
Registrar's Office	<a href="http://www.fafsa.gov">www.fafsa.gov</a>
Free Application for Federal Student Aid (FAFSA)	School Code: 005511

## Learn More

We're here to help, and it's easy to get started. Call, email or stop by the Financial Aid Office with any questions or needs you may have.

Contact the CPTC Financial Aid Office at (912) 338-5252, (912) 427-5814 or [fnaid@coastalpines.edu](mailto:fnaid@coastalpines.edu). Visit the Financial Aid Office at your local site.

[News Article: Coastal Pines Technical College named Military Friendly School](#)

## Satisfactory Academic Progress (SAP)

Coastal Pines Technical College has developed a local Satisfactory Academic Progress Procedure that is consistent with Title IV of the Higher Education Act.

Federal and state regulations require students meet minimum academic requirements to remain eligible for financial aid each semester. In order to maintain financial aid eligibility at Coastal Pines Technical College, students must meet minimum cumulative Grade Point Average (GPA) requirements as well as successfully complete, within a maximum timeframe, all coursework required for completion of the chosen program of study. CPTC requires that all financial aid recipients earn a cumulative GPA of 2.0 and successfully complete, with a grade of "C" or better, at least two-thirds or 66.67% of all credit hours attempted.

Satisfactory Academic Progress is evaluated after grades are issued each semester. Grades of "A", "B", "C", and "S" are considered successfully completed while grades of "D", "F", and "WF" will negatively affect the grade point average. Grades of "U", "W", "WP", "WF", "D", and "F" are not considered satisfactory grades and are included in the total credit hours attempted. Grades of "I", "TR", "IP", "EX", "AU", repeated courses, and Learning Support courses are included in the total hours attempted and applied towards the maximum timeframe when computing Satisfactory Academic Progress. Learning Support grades are not included in the GPA calculation for financial aid purposes.

Transfer credits from other schools accepted by CPTC will be counted toward completion as both hours attempted and hours successfully completed. A transfer student is considered to be making satisfactory academic progress during the first semester of enrollment at the institution. After the first semester, the student will be responsible for meeting all Satisfactory Academic Progress requirements.

Students are expected to know and understand the SAP procedure. The Financial Aid Office will notify students of their status via their student e-mail address or other means necessary. Students that do not receive notification because they did not check their student email are not excused from financial aid probation (suspension) nor are exempt from appealing in a timely manner. Students may log into BANNER Web at any time to check their academic status.

### Maximum Time Frame (150% Standard):

Students must complete their program of study within 1.5 (150%) times the normal length of a program of study. This includes all credit hours attempted whether they are completed or passed. For example, if a program of study is 80 credit hours, the maximum timeframe to complete the program and receive financial aid is 120 attempted credit hours. The maximum timeframe will vary depending upon the length of the program of study. Students required to enroll in Learning Support courses may receive federal aid for up to a maximum of 30 attempted semester credits of Learning Support courses.



# Tuition and Fees

Students attending Coastal Pines Technical College (CPTC) shall normally be charged tuition and related fees, unless otherwise exempted.

Tuition for courses in curriculum leading to a certificate, diploma, or associate degree shall be charged on a uniform basis.

## Tuition Fees

### Georgia Student Tuition

Students who are classified as Georgia Students under TCSG's residence policies and procedures will be charged the rate of tuition set for in-state students by TCSG.

### Out-of-State Tuition

Students who are classified as Out of State students under TCSG's residence policies and procedures will be charged a rate of tuition twice that charged for students who are classified as Georgia Students.

### Non-Citizen Tuition

Non-Citizen Students shall not be classified as Georgia Students for tuition purposes unless lawfully present in this state and there is evidence to warrant consideration of that classification. They are to be charged a rate of tuition four times that charged for students who are classified as Georgia Students.

Lawful permanent residents, refugees, asylees, or other Eligible Non-Citizens as defined by federal regulations may be extended the same consideration as citizens of the United States in determining whether they qualify as Georgia Students. Students who reside in the United States under nonimmigrant status conditioned at least in part upon intent not to abandon a foreign domicile are NOT eligible to qualify as Georgia Students for tuition purposes.

All fees, other than tuition, shall be at the same rate for all students.

## Tuition Exemption

### Senior Citizen Exemption

Upon request, Georgia residents over sixty-two (62) years of age may attend technical colleges, for credit courses only, without charge or payment of the standard tuition rate on a space available basis.

### **Verification of Lawful Presence**

Effective January 1, 2012, all students applying for in-state tuition must provide validation of lawful presence in the United States. The following documents will serve as proof of lawful presence in the United States and documentation will be required before a student is eligible for consideration of in-state tuition:

- A current Driver's License issued by the State of Georgia after January 1, 2008
- A current ID issued by the State of Georgia after January 1, 2008
- A current Driver's License or ID issued by a state that verifies immigration status and only issued to persons lawfully present in the United States

The Technical College System of Georgia (TCSG) will accept the following:

- Alabama: Issued after August 1, 2000
- Florida: Issued after January 1, 2010 AND have a gold star in the upper right hand corner
- South Carolina: Issued after November 1, 2008
- Tennessee: Issued after May 29, 2004

- A certified U.S. Birth Certificate showing the student was born in the U.S. or a U.S. territory (A photocopy is not acceptable.)
- An approved completed FAFSA for the current financial aid year
- A current, valid Permanent Resident Card (USCIS form 1-151 or 1-551)
- A current, valid military identification card for active duty soldiers or veterans
- A U.S. Certificate of Birth Abroad issued by the Department of State (DS-1350) or a Consular Report of Birth Abroad (FS-240)
- A current U.S. Passport
- A U.S. Certificate of Citizenship (USCIS form N-560 or N-561)
- A U.S. Certificate of Naturalization (USCIS form N-550 or N-570)

Any student who cannot be verified as lawfully present in the United States is not eligible to be considered for in-state tuition, regardless of how long he or she has lived in Georgia. In addition to being lawfully present in the United States, students must meet the in-state tuition requirements as outlined in TCSG Board Policy and Procedure 6.2.2 to warrant an in-state classification. Students that are initially classified as out-of-state and successfully petition to have their residency changed to in-state also have to meet the verification requirement.

## Registration Related Fees and Expenses

### **Special Instructional Fee**

The Special Instructional Fee is assessed credit students each term to assist with instructional costs.

### **Instructional Technology Fee**

The Instructional Technology fee is assessed each term to all credit students to assist in providing instructional resources and technology.

### **Registration Fee**

The registration fee is assessed to credit students each term at the time of registration.

### **Parking and Facilities Fee**

All motor vehicles parked on Coastal Pines Technical College property by students, faculty and staff must be registered and must have a parking decal. Students are required to pay the non-refundable Parking and Facilities Fee each semester.

### **Student Activity Fee**

A student activity fee is charged each term to each student taking credit courses at CPTC. Activity fees are used to promote the interests of college organizations and activities. Students taking courses entirely online are not required to pay this fee.

### **Campus Security Fee**

A campus security fee is assessed each term to credit students to assist with campus security costs.

### **Student Liability Insurance Fee**

Some allied health and service program students are required to obtain malpractice insurance for coverage in the internship and clinical education.

### **Program Fees**

Students in certain programs or courses that have higher operational costs are subject to additional fees.

The Program Fee is assessed to students in the following majors:

Allied Health Programs:

- Paramedicine, EMT, EMS Professions, AEMT, EMS Pre-Hospital
- Medical Assisting

- Neuromuscular Massage Therapy
- Nursing
- Practical Nursing
- Radiology Technology
- Respiratory Therapy
- Surgical Technology
- Health Care Assistant
- Health Care Science Phlebotomy

Professional Services:

- Engineering Technology
- Paralegal

Technical and Industrial Programs:

- Machine Tool
- CNC Specialist,
- Welding and Joining
- Basic Shielded Metal Arc Welder
- Gas Metal Arc Welder
- Gas Tungsten Arc Welder
- Advanced Shielded Metal Arc Welder,
- Naval Maintenance

**Late Registration Fee**

Late registration will be allowed for students accepted prior to the beginning of the term who do not register and pay fees prior to the close of Open Registration on a space-available basis. An additional fee may be charged for late registration. Late registration begins at the close of Open Registration and continues through the first three business days of the term.

**Textbooks, Supplies and Uniforms**

Students may be required to have books, tools, uniforms, safety gear and other equipment appropriate to the program of study. All required books and many of the students' other needs may be purchased at the CPTC College stores.

# Tuition and Program Fees

## TUITION AND FEES

INSTRUCTIONAL TECHNOLOGY FEE	\$105.00
SPECIAL INSTRUCTIONAL FEE	\$55.00
REGISTRATION FEE	\$60.00
STUDENT ACTIVITY FEE	\$35.00
ACCIDENT INSURANCE FEE	\$6.00
CAMPUS SECURITY FEE	\$25.00
PARKING & FACILITIES FEE	\$25.00
<b>TOTAL FEES</b>	<b>\$311.00</b>
*PROGRAM FEE	\$45.00

Some programs may have additional program specific fees, please see programs fee schedule for all program fees.

\*The following programs are assessed an additional Program Fee:

### ALLIED HEALTH PROGRAMS

*ADVANCED EMERGENCY MEDICAL TECHNICIAN, EMS PRE-HOSPITAL OPERATIONS, EMS PROFESSIONS, EMERGENCY MEDICAL TECHNICIAN, HEALTH CARE ASSISTANT, HEALTH CARE SCIENCE, MEDICAL ASSISTING, NEUROMUSCULAR MASSAGE THERAPY, PARAMEDICINE, PHLEBOTOMY, PRACTICAL NURSING, RADIOLOGIC TECHNOLOGY, RESPIRATORY CARE, SURGICAL TECHNOLOGY*

### BUSINESS AND COMPUTER

*ENGINEERING TECHNOLOGY, PARALEGAL*

### TECHNICAL AND INDUSTRIAL

*MACHINE TOOL TECHNOLOGY, METALS TECHNICIAN, CNC SPECIALIST, NAVAL MAINTENANCE APPRENTICE, WELDING AND JOINING TECHNOLOGY INCLUDING: BASIC SHIELDED METAL ARC WELDER, ADV. SHIELDED METAL ARC WELDER, GAS METAL ARC WELDER, GAS TUNGSTEN ARC WELDER*

CREDIT HOURS	TUITION	IN-STATE	OUT-OF-STATE	FOREIGN
		TUITION AND FEES	TUITION AND FEES	TUITION AND FEES
1	\$100.00	\$411.00	\$511.00	\$711.00
2	\$200.00	\$511.00	\$711.00	\$1111.00
3	\$300.00	\$611.00	\$911.00	\$1511.00
4	\$400.00	\$711.00	\$1111.00	\$1911.00
5	\$500.00	\$811.00	\$1311.00	\$2311.00
6	\$600.00	\$911.00	\$1511.00	\$2711.00
7	\$700.00	\$1011.00	\$1711.00	\$3111.00
8	\$800.00	\$1111.00	\$1911.00	\$3511.00
9	\$900.00	\$1211.00	\$2111.00	\$3911.00
10	\$1,000.00	\$1311.00	\$2311.00	\$4311.00
11	\$1,100.00	\$1411.00	\$2511.00	\$4711.00
12	\$1,200.00	\$1511.00	\$2711.00	\$5111.00
13	\$1,300.00	\$1611.00	\$2911.00	\$5511.00
14	\$1,400.00	\$1711.00	\$3111.00	\$5911.00
15	\$1,500.00	\$1811.00	\$3311.00	\$6311.00

## Program Specific Fees

### ALLIED HEALTH PROGRAMS

#### Associate of Science, Nursing

Program Fee \$510.00 per semester, combination of the ASN Technology fee and lab fee  
Malpractice Insurance \$3.18 per semester, while in clinical classes as identified by program advisor  
HESI fee \$51.00 per RNSG class

#### Practical Nursing, Health Care Science, Health Care Assistant

Program Fee \$45.00 per semester, while enrolled in occupational courses  
Malpractice Liability Insurance \$3.18 per semester, while in clinical classes as identified by program advisor  
CPR Card \$8.00 Students enrolled in NAST 1100, ALHS 1040, PNSG 2030  
ATI dues (*Practical Nursing*) \$266.33-\$296.33 1st semester: \$296.33 2nd and 3rd semester: \$266.33

#### Nurse Aide

Malpractice Liability Insurance \$3.18 per semester, while in clinical classes as identified by program advisor  
CPR Card \$8.00 Students enrolled in NAST 1100, ALHS 1040

#### Paramedicine, EMS Professions, Pre-Hospital Operations, Emergency Medical Technician, Adv. Emergency Medical Technician

Program Fee \$45.00 per semester, while enrolled in occupational courses  
Malpractice Liability Insurance \$13.25 per semester, while in clinical classes as identified by program advisor

#### Medical Assisting

Program Fee \$45.00 per semester, while enrolled in occupational courses  
Edmentum Subscription Fee \$50.00 Students enrolled in MAST 1180

#### Surgical Technology

Program Fee \$45.00 per semester, while enrolled in occupational courses  
AST dues \$45.00 Students enrolled in SURG 2240  
Certification Exam Fee \$190.00 Students enrolled in SURG 2240  
Edmentum Subscription Fee \$36.66 Students enrolled in SURG 1010  
Dosimeter \$30.00 Students enrolled in SURG 1120

#### Radiologic Technology

Program Fee \$45.00 per semester, while enrolled in occupational courses  
AART Application Fee \$200.00 Students enrolled in RADT 2260  
Dosimeter \$30.00 Students enrolled in RADT 1320, RADT 1330, RADT 2340, RADT 2350, RADT 2360  
CPR Card \$8.00 Students enrolled in RADT 1010

## Respiratory Care

Program Fee	\$45.00	per semester, while enrolled in occupational courses
Data Arc Fee	\$75.00	Students enrolled in RESP 2090
Edmentum Subscription Fee	\$55.55	Students enrolled in RESP 1120
SAE Respiratory Test Fee	\$120.00	Students enrolled in RESP 2170
State Board Licensure Fee	\$150.00	Students enrolled in RESP 2170
CPR Card	\$8.00	Students enrolled in RESP 1130
Kettering Seminar	\$200.00	
Classmate	\$85.00	

## Phlebotomy

Program Fee	\$45.00	per semester, while enrolled in occupational courses
<b>Neuromuscular Massage Therapy</b>		
Program Fee	\$45.00	per semester, while enrolled in occupational courses

## TECHNICAL AND INDUSTRIAL PROGRAMS

### Welding and Joining Technology, Basic Shielded Metal Arc Welder, Gas Metal Arc Welder, Gas Tungsten Arc Welder, Advanced Shielded Metal Arc Welder

Program Fee \$45.00 per semester, while enrolled in occupational courses

### Machine Tool Technology, CNC Specialist, Metals Technician

Program Fee \$45.00 per semester, while enrolled in occupational courses

### Naval Maintenance Apprentice

Program Fee \$45.00 per semester, while enrolled in occupational courses

### Air Conditioning Technology

HVAC Excellence Exam Fee \$20.00 Students enrolled in AIRC 1030, AIRC 1080

### Timber Harvesting Operations

Malpractice Liability Insurance \$3.18 Students enrolled in THOP 1105, THOP 1106

#### **Commercial Truck Driving**

CDL Fuel Fee	\$185.00	per semester
Random Drug Testing Fee	\$115.00	per semester

CREDIT HOURS	TUITION	TUITION AND FEES	OUT-OF-STATE TUITION AND FEES
9	\$132.00	\$1799.00	\$2987.00

### Electrical Lineworker Apprentice

Random Drug Testing Fee \$115.00 per semester

*Engineering Technology*

Program Fee \$45.00 per semester, while enrolled in occupational courses

## BUSINESS AND COMPUTER

### Paralegal

Program Fee \$45.00 per semester, while enrolled in occupational courses

## PROFESSIONAL SERVICES

### Cosmetology

Program Fee \$45.00 per semester, while enrolled in occupational courses

### Early Childhood Care and Education

Malpractice Liability Insurance Fee \$9.52 Students enrolled in ECCE 2245, 2246

Fees are subject to change without notice.

## Commercial Truck Driving Fees

INSTRUCTIONAL TECHNOLOGY FEE	\$105.00
SPECIAL INSTRUCTIONAL FEE	\$55.00
REGISTRATION FEE	\$60.00
STUDENT ACTIVITY FEE	\$35.00
ACCIDENT INSURANCE FEE	\$6.00
CAMPUS SECURITY FEE	\$25.00
PARKING AND FACILITIES FEE	\$25.00
FUEL FEE	\$185.00
RANDOM DRUG TESTING FEE	\$115.00
TOTAL FEES	\$611.00

CREDIT HOURS	TUITION	TUITION AND FEES	OUT-OF-STATE TUITION AND FEES
9	\$132.00	\$1799.00	\$2987.00

## Other Fees and Expenses

Application Fee	\$25.00	one time, non-refundable
Exemption Exam Fee	25% of tuition	Cannot be paid by financial aid
ID Replacement Fee	\$5.00	each
Parking Decal Replacement Fee	\$2.00	each
Placement Exam Retest Fee	\$15.00	each
Graduation Participation Fee	\$40.00	per ceremony (non-refundable)
Award Replacement/Reprint Fee	\$25.00	each
Transcript Fee	\$7.50	each
Express Transcript Fee	\$15.00	each

Return Check Fee	\$30.00	per occurrence
Nelnet Default Administrative Fee	\$40.00	per occurrence



# Fee Payment

Payments may be made to the cashiers during regular business hours or online via BannerWeb.

Personal checks shall be accepted with proper identification by the College for fees, tuition, services, and bookstore items. When a bank refuses to honor a personal check, the college shall charge a service fee to the person who presented the check. This service fee may not exceed \$30 or 5% of the face value of the check, whichever is greater, plus the amount of any fee charged to the College by the financial institution.

Students shall be notified by mail of a dishonored check and the Business Office shall place an "administrative hold" on the students' accounts and records. Until the "administrative hold" is cleared, the student shall not be issued grade reports, transcripts, or any other student records, or allowed to register, graduate or receive college services. If the dishonored check was for tuition, the college may also administratively drop or withdraw the student from class(es).

Due diligence in collection activities will be practiced by the College, up to and including referral to court and/or collection agencies, as deemed appropriate.

## Refund Guidelines

The following guidelines apply to refunds of tuition and fees:

### **Credit Courses**

- All tuition and fees, excluding the application fee, shall be refunded if a student does not commence class attendance.
- Students who attend class but formally withdraw from a course by the end of the third instructional/business day of the term will receive no grade for the course and will receive 100% refund of applicable tuition and fees. Financial Aid Awards will be adjusted accordingly.\* Exceptions may be allowed for customized courses that do not follow the CPTC standard academic calendar.
- Students who have commenced class attendance and withdraw from a course after the end of the third instructional/business day of the term shall receive a grade of 'W', 'WP' or 'WF' and shall receive no refund of tuition and fees.

### **Return to Title IV Funds Policy**

Students who are receiving federal financial aid, Federal Pell Grant or Federal Supplemental Education Opportunity Grant (FSEOG), and withdraw from all classes prior to completing more than 60 percent of the semester will have their eligibility for financial aid recalculated and may be required to repay all or a portion of any federal financial aid funds received for that semester. This policy applies to all students who withdraw, drop out, or are suspended or expelled from CPTC and who have received Title IV funds. Students are responsible for paying this debt. Students' records will be placed on hold and he/she will not be allowed to register for classes until this amount owed is paid in full.

### **Non-Credit Courses**

- Persons enrolled in non-credit courses that are canceled due to insufficient enrollment at the discretion of the College will receive a 100% refund of all fees.
- Persons providing written notification to the Economic Development Department at least 48 hours prior to the beginning of a course will receive a 100% refund of all fees.
- No refunds will be made after the course begins without written approval of the Vice President for Economic Development.

### **Bookstore**

- No refund shall be made for expendable supplies and equipment (i.e., cosmetology kits, diskettes, tools, book bags and totes, clothing, etc.) Exchanges may be allowed for a limited time.
- Refunds shall be made for books that are returned in new, resalable condition and accompanied by the original receipt in accordance with the book refund procedure. The book refund procedure shall be prominently posted in the College Store.

### **National Emergencies**

- All tuition and fees will be refunded to any student who is required to withdraw from courses as a result of being called into active duty.
- All tuition and fees will be refunded to any student required to relocate in response to a national emergency.

### **Special Conditions**

- No refund of tuition and fees shall be made to any student who has commenced attendance and does not formally withdraw, is suspended for disciplinary reasons, or leaves the college as a result of disciplinary action.
- No refund of tuition and fees shall be made for reducing course load after the first three instructional/business days of the term unless the institution is at fault.

### **Disbursement**

- Refunds shall be made without requiring a request from the student.
- Refunds shall be made within 30 days of the last day of attendance if written notification of withdrawal has been provided to the College by the student or within 30 days of the date the institution was made aware of an unofficial withdrawal.

## **Financial Obligations - Holds**

Students who are delinquent in the payment of any financial obligation(s) will be placed on "Hold" and will not be allowed to register until all delinquent fees are paid. In addition, students will not be allowed to access grade reports, transcripts, or other student records until all delinquent fees are paid. Students may incur additional fees if debt is turned over to a collection agency.

# Dual Enrollment – High School Students

## Financial Aid for High School Students

Eligible high school students can apply to receive funding from Georgia Student Finance Commission by completing the GAFutures application for Dual Enrollment.

Dual Enrollment requirements can be found at [www.GAfutures.org](http://www.GAfutures.org).

For more information, contact a CPTC High School Coordinator or contact a high school counselor.

## Articulated Credit

Articulated credit may be awarded for course work completed under articulation agreements when established competencies have been achieved. Credits earned in specific secondary school courses are eligible to be articulated for high school graduates as referenced by Technical College System of Georgia policy.

The following guidelines apply to CPTC articulated credit for high school graduates:

- An official high school transcript must be on file
- Student must enroll within two years of graduation
- A minimum grade of 70 must be earned in comparable secondary technical courses
- For each course to be articulated, a student must pass the respective Competency exam
- No fee shall be charged for validation of articulated credit
- Articulated credit must be defined in state agreements.

# Transfer Credit

Coastal Pines Technical College (CPTC) assumes responsibility for the academic quality of any academic credit recorded on its transcripts and ensures all academic credit is at the collegiate level and is comparable to CPTC's credit programs. Advanced placement allows a student to receive course credit based on previous experience, formal or informal, and results in advanced standing within a degree/diploma/certificate program.

Advanced placement includes the following:

- Transfer Credit
- Secondary School Articulation Credit
- Standardized Exam Credit
- Military Training Credit
- Prior Learning Assessment (PLA)
- Institutional Exemption Examination

## Residence Requirements for Completion of Degree/Diploma/Certificate

A student must complete at least 25% of his or her credit hours of a particular program of study at Coastal Pines Technical College in order to be awarded a technical certificate of credit, diploma or degree from Coastal Pines Technical College. Residence requirements of programs in some fields leading to licensure may exceed 25%.

## Transfer Credit

As part of the admissions process, all official transcripts submitted by applicants to the college are evaluated for credit transfer. Credit for courses at a college, university, or other postsecondary institution accredited by a national or regional accrediting agency recognized by the U.S. Department of Education and the Technical College System of Georgia and whose curriculum is equivalent to or greater than that of CPTC will be considered for award of transfer credit.

Students who have completed all or part of their secondary or postsecondary education outside of the United States are required to have their foreign educational credentials evaluated and approved by an independent evaluation agency.

Collegiate credit awarded by colleges, universities, or other postsecondary institutions not fully accredited nor in candidacy status for accreditation from a regional accrediting association will be considered for transfer credit following the verification of instructor credentials and approval by the Vice President for Academic Affairs or his/her designated authority.

CPTC will honor any academic sanctions imposed on applicants by the last postsecondary institution attended.

Awarding of transfer credit by CPTC does not guarantee that institutions subsequently attended by the student will accept the credit.

The following guidelines apply to the evaluation of transfer credit:

- An official transcript is on file from all post-secondary institutions attended. Credits from one former institution appearing on the transcript of another institution can neither be evaluated nor accepted for credit without an official transcript from the institution of origin
- A desktop review (evaluation of courses for transfer credit) is required
- A grade of "C" or higher has been earned for each course transferred

- Occupationally related technical course work should have been completed within 7 years prior to enrollment at CPTC. Credit competency Exams are available for consideration of credit for technical courses that are more than 7 years old.
- No time limits exist on transferability of general education coursework
- The course is essentially the same in content as the course at CPTC
- Maximum credit hours awarded for a transfer course will not exceed the credit hours assigned to equivalent course at CPTC
- Course descriptions, syllabi, and pertinent catalog information will be reviewed to assure course compatibility with those of CPTC. Students are responsible for obtaining appropriate course descriptions and additional documentation if needed
- Decisions regarding the transfer of academic credit are made by the Registrar

## Articulated Credit

Articulated credit may be awarded for course work completed under articulation agreements when established competencies have been achieved. Credits earned in specific secondary school courses are eligible to be articulated for high school graduates as referenced by Technical College System of Georgia policy.

The following guidelines apply to CPTC articulated credit for high school graduates:

- An official high school transcript must be on file
- Student must enroll within two years of graduation
- A minimum grade of 70 must be earned in comparable secondary technical courses
- For each course to be articulated, a student must pass the respective Competency exam
- No fee shall be charged for validation of articulated credit
- Articulated credit must be defined in state agreements.

## Military Training Credit

Credit may be awarded for training received in the Armed Forces. Students requesting credit should submit an official training certificate/transcript to the Admissions Office.

The following guidelines apply to military training credit for transfer:

- The training must be certified by the Guide to the Evaluation of Education Experiences in the Armed Forces published by the American Council on Education or by the official catalog of the Community College of the Air Force.
- Time limits for transfer will be the same as those for traditional transfer credit. Credit Competency Exams are available for consideration of credit for technical courses or experiences that are more than 7 years old.
- Training experience meets required competencies of courses offered at the College.
- Advanced standing credit may be awarded for military training or successful completion of a Credit Competency Exam. Training experience and Competency Exam scores must meet competency requirements for the equivalent CPTC course.
- Military training credit is recorded as "TRM" on the transcript and is not calculated in the grade point average

## Standardized Exam Credit

CPTC may award credit for a limited number of college level subject exams available through several nationally recognized examination boards. Credit may be awarded for approved Advanced Placement (AP) Examinations, College Level Examination Program (CLEP), and International Baccalaureate Credit pending review by the Registrar and appropriate faculty. Advanced Placement Examinations are offered by the College Entrance Exam Board. Exams administered for CLEP subject matter are awarded according to the American Council on Education's College Board. International Baccalaureate Credit examinations are offered by the International Baccalaureate Examination Board.

The following guidelines apply to College Board examination credit:

- Students must receive a score of 3 or higher on the Advanced Placement (AP) exam
- Students must score at the 50th percentile or above on the CLEP test
- Official test scores must be sent directly from the College Board to CPTC's Office of Admissions
- Students must receive a score of 3 or higher on the International Baccalaureate Examination
- Standardized exam credit is recorded as "EXE" on the transcript and is not included in the calculation of grade point average.

## Institutional Exemption Exam

For students with previous knowledge and skill acquired through experience or other means, credit may be obtained for certain specified courses by demonstrating mastery of the subject through written and/or performance exams. A student may receive course credit by passing an institutional exemption exam. The exam validates competencies and skills the student would obtain through enrollment in the course.

The following conditions govern credit by exemption exam:

- Student may not be currently enrolled in the class for which exemption is attempted
- An exemption exam may not be attempted during the same term for which student withdrew from the course he/she is attempting to exempt
- Credit by exam is prohibited for any course in which a grade of "D" or "F" has been earned by the student
- An exemption exam can be taken only once
- No more than 23 semester credit hours may be earned by institutional credit exam
- Payment of applicable exemption exam fee must be made prior to taking the exemption exam (25% of course tuition). Charges for the exam are nonrefundable and are not covered by financial aid
- No fee shall be charged to students taking an exam to validate competency following completion of required modules in a learning support class

## Prior Learning Assessment (PLA)

A student seeking credit for non-credit coursework, such as on the job learning, corporate training, experiential learning or professional or industry certification, may request a Credit Competency Exam or evaluation of work experiences. Student requests for the evaluation of licensure, certifications, and/or work experience for course credit are handled on a case by case basis. Documentation is required. Appropriate faculty members, Deans and the Registrar collaborate on an evaluation of the documentation portfolio. The process ensures all course work and outcomes are at the appropriate collegiate level. A grade of "EXP" is entered to indicate successful completion of the CPTC Credit Competency exam or approval of credentials evaluation and is not included in the calculation of grade point average.

## Designation of Credit

- Transfer credit is recorded as TR (A, B, or C) on the transcript and does not require the payment of course fees. The credit is not included in the calculation of the student's grade point average except for consideration of program admission into competitive admission programs
- Military training credit is recorded as "TRM" on the transcript and is not calculated in the grade point average
- Articulation credit is recorded as "AC" (A, B, or C) on the transcript. This credit is not included in the calculation of the student's grade point average except for consideration of program admission into competitive admission programs
- Exemption Credit is recorded as "EXE (Exam) or EXP (Portfolio)" on the transcript and is not included in the calculation of grade point average

# Registration and Records

## Advisement and Registration

Full-time faculty members are responsible for advising and registering newly admitted students, students who are currently enrolled in Coastal Pines Technical College (CPTC) courses, and students who are returning to CPTC after not enrolling in classes for two or more academic terms.

The Academic Affairs Dean for Secondary Initiatives and High School Coordinators/Recruiters are responsible for coordinating advising and registration of high school dually enrolled students for their individual high schools. All other new, current and returning students are assigned to advisors based on the student's academic program. Advisors focus on assisting students in completing their required program curriculum in a timely manner and earning their academic award.

1. Current Student Registration. Faculty/Advisors are responsible for advising and registering currently enrolled students prior to the end of each academic term. The academic calendar shows the starting days of registration for currently enrolled students.
2. New Student Registration. Faculty/Advisors will advise and register new students in accordance with the academic calendar.
3. Late Registration. Late Registration is the first three days of the term. Students who have completed the Admissions process may be registered into classes on a space available basis. These students should contact their Advisor for assistance.
4. Payment of tuition and fees confirms registration and reserves the student's schedule.
  - All tuition and fees are due before the first day of the term for ALL credit students. This requirement holds true even if class is scheduled to begin on a different day.
  - If tuition and fees are NOT paid by the deadline, classes will be dropped.

## Academic Load (Full-time Status)

Students must register for 12 or more credit hours to be considered full time.

## Enrollment Verification

Coastal Pines Technical College has authorized the National Student Clearinghouse (NSC) to provide enrollment verification certifications for students through NSC Student Self Service. NSC Student Self Service enables CPTC students to print official enrollment verification certifications on demand via our secure student portal, BannerWeb, at no charge.

## Matriculation

Enrollment for the term is not complete until the student has properly completed registration and paid all fees due. Students who receive any type of financial aid may visit the financial aid office each term or review their BannerWeb account to ensure that financial aid support is adequate to cover that term's fees. Students will be dropped from the courses for which they have attempted to register if fees are not paid before the payment deadline each term.

## Schedule Changes

The official drop period is the first three business days of the term. Courses dropped during this period will not appear on the student's academic record.

The official add period is the first seven calendar days of the term.

## Withdrawal from College

Formal withdrawal is accomplished by completion and submission of a Withdrawal form. This form is available to students via BannerWeb, CPTC website or in Student Affairs.

Students who withdraw from a course after the end of the third business day of the term shall receive a grade of 'W', 'WP', or 'WF' and shall receive no refund of tuition and fees.

In order to receive a 100% refund, the form must be completed BY THE STUDENT and submitted to Student Affairs by closing time on the third business day of the term.

## FERPA

Policies relating to the establishment, utilization, availability, and retention of student records are in accordance with the provisions of the Family Education Rights and Privacy Act (FERPA) of 1974 as amended and the policies of Coastal Pines Technical College. With certain exceptions, a student has the right of access to his/her records which are maintained by an educational institution or by a party authorized to keep records for the institution. The U.S. Department of Education enforces the Family Education Rights and Privacy Act. This U.S. Department of Education receives and reviews complaints and forwards those that are not resolved to a review board that can recommend to the Department of Education Secretary sanctions including withdrawal of federal funds.

## FERPA Objection

Any adult student or minor student's parent who objects to the release of this directory information under the Family and Educational Rights and Privacy Act should file an objection in writing clearly stating what directory information should not be released to third parties. Forms are available in the Registrar's Office for filing a FERPA Objection.

## Release of Educational Record Information

The Family Educational Rights and Privacy Act ("FERPA"), a Federal law, requires that TCSG and its technical colleges, with certain exceptions, obtain a student's written consent prior to the disclosure of personally identifiable information from that student's education records.

However, TCSG or its technical colleges may disclose appropriately designated "directory information" without written consent unless the student has advised TCSG or the technical college to the contrary. Directory information, which is information that is generally not considered harmful or an invasion of privacy if released, can also be disclosed to outside organizations without the student's prior written consent.

If a student does not want TCSG or the technical college to disclose directory information from his or her student education records without prior written consent, the student must notify TCSG or the technical college where he or she is enrolled in writing by the first day of the semester at the registrar's office at his or her technical college. A student need only file this notification once during his or her enrollment. However, if a student enrolls in another TCSG technical college, a new notification must be filed.

Even if a student elects to prohibit the release of directory information, TCSG or the technical college may still implement policies requiring the student to wear or present a student ID badge.



## Directory Information

The Federal Privacy Act stipulates that an institution has the right to declare one or more categories of information as public or directory information that may be released to the public at the discretion of the institution. Coastal Pines Technical College considers the following as directory information:

- Full name of student
- Address
- Email address
- Telephone Number
- Major and field(s) of study
- Enrollment status (full, part-time, undergraduate, graduate, etc.)
- Degrees and awards including date received
- Dates of attendance
- Participation in official sports and activities
- Height and weight of athletic team members

Additionally, certain state and federal laws require the release of certain student information without prior notification to the student.

## Solomon Amendment

A federal law known as the Solomon Amendment requires Coastal Pines Technical College to release student recruitment information to military recruiters. Student recruitment information is defined as name, address, telephone number, age, major, date(s) of attendance, and degree awarded.

## Notification of Student Rights to Records

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their educational record. These rights include:

- The right to inspect and review student's educational records. Students must submit a "Student Request to Inspect and Review Educational Record" form that specifies the record(s) they wish to inspect. This written request must be submitted to the Vice President for Student Affairs. The inspection will be within 45 days of the receipt of the student's written request.
- The right to request the amendment of the student's educational record that they believe is inaccurate. Students may ask Coastal Pines Technical College to amend a record that they believe is inaccurate. They should write the Vice President for Student Affairs, clearly identify the part of the record they want changed and specify why it is inaccurate. If it is decided that the record will not be amended as requested by the student, CPTC will advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
- The right to consent to disclosures of personally identifiable information contained in the student's educational records, except to the extent that FERPA authorizes disclosure without consent.
- The right to file a complaint with the U.S. Department of Education concerning alleged failures by Coastal Pines Technical College to comply with the requirements of FERPA.

Contact information for the federal office that administers FERPA is as follows:

Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue, SW  
Washington, DC 20202-4605

## Disciplinary Records

Disciplinary records are considered confidential information to be released only to faculty and administration officers who have responsibility related to the educational mission of the Institution and/or its disciplinary process. Release of information from this record to employers and prospective employers will occur upon a written release from the student or graduate. Information will be released to law enforcement officials upon court order, upon written release from the student or graduate or when there is a reason to believe this information is pertinent to the investigation or prevention of a crime.

# Grades

# Grade Point Average (GPA) Calculation and Definitions

The GRADE POINT AVERAGE (GPA) is calculated by multiplying the credits for each course by the quality points associated with the grade earned, totaling the points earned for all courses, and dividing the total points by the total number of credit attempts.

Quality Points are assigned to each letter grade.

- A = 4.0 quality points
- B = 3.0 quality points
- C = 2.0 quality points
- D = 1 quality point
- F = 0 quality points

## Cumulative GPA

The cumulative grade point average (CGPA) is calculated using all courses attempted/earned at Coastal Pines Technical College (CPTC) Learning Support courses are not calculated in the cumulative grade point average. The CGPA is an attempt to reflect the total credit instructional activity of the student. It is recalculated after each semester to include the current semester's grade(s). The CGPA is not affected by program of study, changes in program of study, or student classification.

## Program GPA (Graduation GPA)

The Program GPA is calculated using only courses that are required for graduation. The Program GPA is used to determine eligibility for Honor Graduates.

## Semester GPA

The semester grade point average is calculated based on all credit courses taken each semester at CPTC.

## Transfer GPA

The Transfer GPA is calculated using credit accepted from other institutions. Credits transferred count toward the requirements for graduation, but are not included in the Institutional GPA. The Transfer GPA is not used to determine Academic Standing. The Transfer GPA is used for consideration of program admission into competitive entry programs.

## Grades and Other Academic Appeals

A student may appeal a final grade or other academic decision in accordance with CPTC procedure. A student may appeal by submitting a typed letter of appeal to the instructor who awarded the grade or made the academic decision within ten (10) business days from the date the student learned or reasonably should have learned of the final grade or other academic decision.

If the appeal to the instructor does not satisfactorily resolve the student's concern, he or she may further appeal to the appropriate Dean for Academic Affairs by submitting a typed letter of appeal and the results of the appeal to the instructor within twenty (20) business days from the date the student learned or reasonably should have learned of the final grade or other academic decision.

If the student is not satisfied with the decision of the Dean, the student may appeal to the Vice President for Academic Affairs by submitting a typed letter of appeal and the results of appeals to the instructor and dean within thirty (30) business days from the date the student learned or reasonably should have learned of the final grade or other academic decision. The decision of the Vice President for Academic Affairs shall be final.

## Work Ethics

Coastal Pines Technical College, a unit of the Technical College System of Georgia, instructs and evaluates students on work ethics in all programs of study. Ten work ethic traits have been identified and defined as essential students success; students will be graded on work ethic traits in each occupational course (excluding general education, basic skills and learning support courses):

- Attendance
- Productivity
- Organizational Skills
- Attitude
- Communication
- Appearance
- Cooperation
- Teamwork
- Respect
- Character

A work ethic grade will be assigned at the end of each academic term. It will be recorded on each student's transcript but will not be calculated in the GPA. The grades assigned for work ethics are as follows:

- Exceeds expectations = 3
- Meets expectations = 2
- Needs improvement = 1
- Unacceptable = 0

## Distance Education - Online Classes

The purpose of distance education at Coastal Pines Technical College (CPTC) is to provide our students the opportunity to access quality instruction anytime, anywhere. Distance education is defined as providing access to learning when students are not physically present in a traditional classroom setting. CPTC desires to create and provide access to learning when the source of information and the learners are separated by time and/or distance.

### Distance Education Attendance

Coastal Pines Technical College (CPTC) is committed to providing students the opportunity to access quality instruction anytime, anywhere. Establishing a consistent and acceptable pattern of attendance is considered an integral part of the total educational process. Employers who hire Technical College System of Georgia graduates consistently stress the importance of good work ethics such as attendance and punctuality. Students are receiving an education for direct entry into the workforce. CPTC has the responsibility of attempting to instill in each student the importance of a good attendance and punctuality record. Because of this importance, an evaluation of attendance is done in each course.

Students in distance education classes must contact the course instructor via CPTC email within the first three (3) calendar days of the academic term. Students who fail to contact their instructor within three days will be considered a "No Show". Students enrolled in distance education classes should actively participate in class assignments. Students who fail to participate in a distance education course any seven (7) consecutive calendar days of the academic term, would violate the College's Attendance Procedure and will be withdrawn from the course. Participation includes the submission of academic assignments as prescribed by the course syllabus and/or instructor.

### Attendance Records

The instructor's class grade book or distance education learning management system (LMS) platform or the Banner Attendance module maintained by the instructor is the College's official student record for all matters pertaining to attendance and course completion.

### Proctoring of Distance Education Credit Courses

In order to comply with accreditation requirements for the validation of student identity for all online courses, all students enrolled in online courses are required to have at least one proctored event (a major exam or assignment).

The Coastal Pines Technical College (CPTC) Office of Distance Education will provide exam proctoring services for students who are taking online courses during the examination period. Also, CPTC will proctor exams or other assignments for any student of any Technical College System of Georgia (TCSG) college during the examination period.

Students choosing to utilize an alternative proctoring solution are responsible for finding a qualified proctor to administer each event, and for submitting the required approval form for each event. Qualified proctors must meet with the requirements of Coastal Pines Technical College.

Students must complete the proctoring event no later than the date specified by the instructor in the course syllabus or provided by the instructor in a subsequent communication. Students who do not complete the proctored event as scheduled must comply with the specifications as explained in the course syllabus.

### Fee

CPTC does not charge a fee to proctor examinations to students. Also, Technical College System of Georgia (TCSG) colleges do not charge a proctoring fee to administer examinations to students of other TCSG colleges. However, students who choose to have an examination proctored outside of the TCSG system are responsible for any fees that could be incurred by the proctoring institution.

## Proctoring Methods

### On Campus

Students who live within reasonable commute distance (50 miles) of a CPTC campus where the exam or assignment is scheduled must attend the scheduled event as announced in the course syllabus.

### Off Campus

Students who live outside of reasonable commute distance (more than 50 miles) from the CPTC campus where the exam or assignment is scheduled and cannot attend the on-campus proctored event must submit a Proctored Examination Request Form to schedule the proctored event with a qualified proctor. The Coordinator of Distance Education will contact the identified proctor as well as the course instructor. The instructor in turn will supply the required detailed instructions via college e-mail to the e-mail address on file for the facility per the proctored event communication below.

The Coordinator of Distance Education will verify the validity of the proctor as well as the requested location. Notification will be forwarded via e-mail to the instructor and the student regarding the validity of the proctor. If the proctor is not a valid proctor, the student will be asked to select a proctor. Once the proctor is approved, the course instructor is required to send proctored event communication via e-mail to the address provided on the approval form for the proctor.

## Proctoring Approval Form Submission

It is the student's responsibility to find a qualified proctor with whom they can arrange a date, time, and location to complete their proctored event requirement. Once a proctor is selected, the student must complete and submit a Proctored Examination Request Form for each event.

Completed forms must be submitted via email to the Coordinator of Distance Education. Forms must be submitted no later than 14 days prior to the requested event date. Students who do not submit the required forms within the time period will be subject to the Instructor's make-up examination policy as described in the course syllabus. Students, instructors, and proctors will receive an e-mail confirmation upon receipt of the form. If confirmation is not received within two business days of the scheduled exam, students should send e-mail to the Coordinator of Distance Education for assistance.

## Qualified Proctors

Qualified proctors will meet the following criteria:

Contracted by CPTC for the purposes of proctoring or be employed full-time as a:

- Teacher
- Professor
- Librarian
- Administrator at a public secondary school, university, library or testing center
- Military active duty commissioned officer whose rank is higher than the student's own. (Approved for students in the military only)

## Proctored Event Communication

The course instructor is required to provide the following information to the event proctor:

1. CPTC Proctor Event Information Sheet
2. Student name
3. Student ID number
4. Course Reference Number (CRN)
5. Instructor's name
6. Requested event date and time

7. Student CPTC (college) e-mail address
8. Student's primary phone number
9. Detailed Proctor Instructions will include the following:
  - a link to the online materials
  - login instructions
  - whether or not the event is to be timed, and if so, the amount of time to be allotted
  - whether or not the student is allowed to use any notes or other reference materials during the event, and if so, a list of what materials are allowed
  - any additional detailed instructions the instructor deems appropriate for the event



# Student Support Services

## Special Populations/Non-Traditional Programs

Coastal Pines Technical College provides support services for students who are in special population categories including:

- Individual with disabilities (documentation will be requested) - a physical or mental impairment which substantially limits one or more major life activities such as caring for one's self, performing manual tasks, walking, seeing, hearing, speaking, breathing, or learning.
- Single Parent- students who have the primary or joint custody for a dependent child. (Can be divorced, widowed, legally separated, never married, or a person who is single and pregnant.)
- Out-of-workforce Individual – students who have been unemployed or underemployed to care for a home and/or family and for that reason have had difficulty in obtaining or upgrading employment.
- Individual preparing for non-traditional field – students are enrolled in a program of study that will lead to an occupation that is dominated by persons of the opposite sex. (Example: a female in welding or drafting or a male in a healthcare program).
- English Learner- students have a limited ability to write or understand English due to a language other than English as their primary language.
- Individual from economically disadvantaged families- students who are currently homeless, a youth who is in, or have aged out of, the foster care system, receive Pell Grant or federal assistance, including Food Stamps and/or Medicaid, a youth with a parent who is on active duty armed forces.

For information or questions, please contact Libby Cole, Special Populations Coordinator, [ecole@coastalpines.edu](mailto:ecole@coastalpines.edu).

# Student Organizations and Opportunities

## Phi Beta Lambda (PBL)

Phi Beta Lambda is a national student organization for students interested in business careers. PBL provides the students with opportunities to develop occupational competencies for business occupations and promotes a sense of civic and personal responsibility. Local, state and national competitions are open to students in this organization.

## National Technical Honor Society (NTHS)

The National Technical Honor Society is an organization that recognizes students who excel both academically and professionally. Members are nominated by their program instructors and must have a 3.75 or higher average (for a minimum of 30 semester hours) and no less than a 2.0 work ethics grade in every course. Graduates are recognized during the graduation ceremony by the honorary regalia. Membership fees are the responsibility of the student.

## Student Government Association (SGA)

The Student Government Association offers opportunities for leadership development, fellowship, and volunteer activities. Each campus/site elects student representatives to serve as Delegates to the SGA. SGA plans activities and sponsors school and civic improvement projects. Activity fees are administered through the Student Activity Fund Council and Student Government Association.

## SkillsUSA

SkillsUSA® is a professional organization that recognizes outstanding students in secondary and postsecondary education. SkillsUSA® members participate in chapter meetings, competitions, leadership conferences, and activities. Members conduct community service projects. They can also interact with local business people in their field of study. Through the SkillsUSA® Championships program, members can earn recognition, industry tools and prizes, and college scholarships by competing in local, state, and national competitions.

## Lambda Nu (LN)

Lambda Nu (LN) is affiliated with the National office of the Lambda Nu National Honors Society for Radiologic and Imaging Sciences. Membership in the organization is open to all students enrolled in Radiologic Technology Program or Imaging Sciences Program at Coastal Pines Technical College. Student must have and maintain a 3.0 G.P.A. to be a member. Lambda Nu meets on the Waycross Campus only.

## Georgia Occupational Award of Leadership (GOAL)

The GOAL program is held annually. Outstanding students are nominated by instructors, and finalists are selected on the basis of performance in their respective programs of study and in interviews with a panel of judges. The finalist represents CPTC in the statewide competition for major prizes and awards.

## Student Navigator/Retention

### Student Navigator

The Student Navigator provides students with the necessary referrals and services that will assist them in the completion of their educational objectives and retention in college.

#### The Student Navigator assists:

- students who are experiencing academic difficulties in class
- students who have excessive attendance issues
- students who are experiencing other personal hardships or challenges that may affect their success

#### The Student Navigator assists with:

- study tips
- test taking strategies
- test anxiety tips
- motivation
- stress management
- time management
- referrals to tutoring
- additional tools for Student Success

Contact the CPTC Student Navigator at 912-285-6361 for additional information.

## Career Counseling

Career counseling is available to any potential or current student unsure of a program choice. Career inventories and/or assessments are available. Program options and requirements may be discussed during the counseling session.

# Counseling and Special Services

Coastal Pines Technical College (CPTC) offers a number of services to help students with disabilities find success in the academic and technical components of their program of study. A disability is described as a condition that impairs or restricts one or more major life activities. Disabilities may be deemed temporary or permanent impairments.

Special services are extended to students who have:

- Impaired vision or hearing
- Learning disabilities
- Physical disabilities
- Medical disabilities
- Psychological impairments

## **Request Initiation of Services:**

It is the student's responsibility to notify Counseling and Special Services of any special needs or disabilities the student may have that requires accommodations in the classroom. During New Student Orientation, students complete a self-disclosure form which identifies any special need or disability that may require accommodations (which are reasonable) in the classroom setting(s), or a disability that may interfere or impede their academic success. Counseling and Special Services has a full-time staff member dedicated to assisting students with disabilities, learning disorders, and any other special physical or psychologically medically identified need.

To request and make arrangements for services, the student must meet with Counseling and Special Services Director to create a plan for classroom adjustments or accommodations. Contact Counseling and Special Services Director at 912-262-9995.

## Student Responsibilities

- Provide appropriate documentation:
- Request classroom adjustments or accommodations every term.
- Return classroom accommodation forms after they are signed and reviewed by the instructor(s) to Special Services.
- Understand that other student services (Financial Aid, Admissions, Career, etc.) are the responsibility of the student.
- Adhere to the Student Code of Conduct.

## Voter Registration

Students in Georgia can register to vote online by visiting the Secretary of State's [My Voter Page](#). Students who wish to register to vote on paper may pick up a voter registration card by contacting Coastal Pines Technical College's Student Activities Coordinator at [ecole@coastalpines.edu](mailto:ecole@coastalpines.edu). Once the form is returned and completed, the Student Activities Coordinator will forward the form to the Secretary of State for processing. CPTC Student Government Association also sponsors a voter registration campaign in the Fall.

For information or questions, please contact Libby Cole, Student Activities Coordinator, [ecole@coastalpines.edu](mailto:ecole@coastalpines.edu).

# Attendance Requirements

Establishing a consistent and acceptable pattern of attendance is considered an integral part of the total educational process. Coastal Pines Technical College (CPTC) stresses the importance of attending classes as scheduled, and each instructor shall evaluate student attendance and punctuality for each course.

## Student Responsibility

Some academic programs have specific attendance policies. These policies will be located in the course syllabus and addressed by instructors during course introductions. It is the student's responsibility to properly withdraw from a class if required attendance cannot be maintained.

## Attendance Withdrawal/Reinstatement

Because attendance is a critical factor in meeting academic criteria for successful completion of a course, a student will be withdrawn from a course by the instructor after missing ten percent (10%) of the scheduled hours of the course.

A student who does not attend class the first three days of the term will be considered a "No-Show". This procedure applies to all traditional (face-to-face) and hybrid credit courses (distance education courses will be addressed separately in this procedure).

Students who have been withdrawn from a course for violating the College's Attendance Procedure may appeal for reinstatement through the Attendance Appeal Process.

## Class Tardiness

Class tardiness procedures will vary by the course and/or program of study. This information will be located in the course syllabus and addressed by instructors during course introductions.

## Make up of Work Missed

Make up work procedures will vary by the course and/or program of study. This information will be located in the course syllabus and addressed by instructors during course introductions.

## Distance Education Attendance

Coastal Pines Technical College (CPTC) is committed to providing students the opportunity to access quality instruction anytime, anywhere. Establishing a consistent and acceptable pattern of attendance is considered an integral part of the total educational process. Employers who hire Technical College System of Georgia graduates consistently stress the importance of good work ethics such as attendance and punctuality. Students are receiving an education for direct entry into the workforce. CPTC has the responsibility of attempting to instill in each student the importance of a good attendance and punctuality record. Because of this importance, an evaluation of attendance is done in each course.

Students in distance education classes must contact the course instructor via CPTC email within the first three (3) calendar days of the academic term. Students who fail to contact their instructor within three days will be considered a "No Show". Students enrolled in distance education classes should actively participate in class assignments. Students who fail to participate in a distance education course any seven (7) consecutive calendar

days of the academic term, would violate the College's Attendance Procedure and will be withdrawn for the course. Participation includes the submission of academic assignments as prescribed by the course syllabus and/or instructor.

## Attendance Records

The instructor's class grade book or distance education learning management system (LMS) platform or the Banner Attendance module maintained by the instructor is the College's official student record for all matters pertaining to attendance and course completion.

## Programs Resulting in Licensure

A student who is enrolled in a program that requires licensure will be required to make up clinical hours in accordance with the program's policy. Otherwise, consent document to take the licensing or certification examination will not be signed by the instructor of that program. Students are responsible for reading and complying with attendance guidelines. Attendance regulations of programs in some fields that require licensure may exceed those of CPTC.

# Academic Standing

## President's List

In order to recognize outstanding student academic achievement, a President's List is published each term. This list will consist of CPTC students enrolled full time who have attained a semester GPA of 4.0. A cumulative GPA of 2.0 or higher is also required. Students will be recognized for this honor in local and area newspapers.

## Dean's List

In order to recognize outstanding student academic achievement, a Dean's List is published each term. This list will consist of CPTC students enrolled full time who have attained a semester GPA of 3.75 - 3.99 out of a possible 4.0. A cumulative GPA of 2.0 or higher is also required. Students will be recognized for this honor in local and area newspapers.

## Academic Probation

The purpose of academic probation is to alert students to the fact their academic performance is not acceptable and to point out the consequences if improvements are not made during the next term of enrollment. A student who fails to maintain a minimum 2.0 semester GPA, for all work attempted in the term, shall be placed on academic probation. A student placed on academic probation (or admitted on academic probation) must attain a minimum 2.0 semester GPA during the next term of attendance to remove himself/herself from academic probationary status. Failing to attain a minimum semester GPA of 2.0 during the probationary term will result in the student being placed on academic suspension.

A student who fails to maintain the required grade point average in a particular program of study may be placed on academic probation. Failure to improve academic performance after being placed on probation shall result in suspension or dismissal from either the academic program or CPTC.

A student on academic probation is not eligible for graduation.

## Academic Suspension

A student on academic probation who fails to attain a minimum semester GPA of 2.0 during the probationary term will be placed on academic suspension. A student on academic suspension must wait one full term before readmission. The student will return on academic probation. Upon readmission from academic suspension, any subsequent violation of academic probation will result in a second academic suspension.

## Academic Dismissal

A student placed on academic suspension twice while in the same program will be permanently dismissed from that program, but may apply for admission to another program after waiting one term. After a third and any subsequent academic suspension, the student will be eligible to reapply for admission after one calendar year.

In appropriate circumstances, a student may be dismissed from an academic program or CPTC without first being placed on academic probation.



## Readmission after Academic Dismissal

After an absence from CPTC for one calendar year, students may petition the Office of the Vice President for Academic Affairs to be considered for reinstatement. Students granted readmission to the college will be placed on Academic Probation.

## Academic Appeals for Probation, Suspension and Dismissal

A student may appeal academic suspension/dismissal by submitting a letter (or email) of appeal to the Vice President for Academic Affairs (VPAA) within ten (10) business days from the date the student learned or reasonably should have learned of his or her suspension or dismissal from the College. Evidence of any extenuating circumstances should be included. If the VPAA approves, the suspension may be overturned for one term. The decision of the Vice President for Academic Affairs is final.

## Additional Conditions

## Cohort Programs

Because of the sequential nature of courses in certain programs (e.g. Practical Nursing, Cosmetology), a student will not be allowed to continue in the assigned cohort if a final grade of "D" or "F" is earned in any program course.

## Allied Health Programs

All students enrolled in allied health programs will have their clinical program evaluated orally and in writing by their instructors with input from others responsible for their learning experiences. Unsatisfactory evaluations may be considered grounds for dismissal from the program. (See individual program evaluation requirements.)

# Bookstore

Books are sold to students who are registered to take courses scheduled at CPTC.

To purchase books through the CPTC Bookstore:

- The student must be registered for his/her class(es).
- The student must bring a printed class schedule and picture ID to bookstore to ensure proper textbooks/supplies are purchased.
- Bookstore purchases made before the first business day of the term are cash, check, or credit/debit card only.
- Beginning the first business day of the term, financial aid may be used for bookstore purchases.
- Payment must be made at the time of purchase unless financial aid is available for books. No cash will be refunded to students purchasing books through financial aid arrangements.
- The student will sign the invoice showing acceptance of books purchased using financial aid.
- Students are required to attend classes to qualify to have books purchased through financial aid arrangements.
- Students purchasing books using financial aid awards who subsequently drop courses will be responsible for charges if their financial aid award is reduced.

# Graduation/Commencement

## Graduation/Commencement Requirements

Students must apply for graduation and meet all program requirements in order to receive their Award(s). A cumulative GPA of 2.0 is required for graduation and the student must be in good standing with the college. The letter grade of d (60-69) will be awarded if earned, but will carry no credit for course completion.

There is no charge to receive a degree, diploma or certificate of credit; however, you must apply in order to have your award printed.

## Commencement Ceremony Participation Fee

Students who sign up to participate in the Commencement ceremony at Coastal Pines Technical College will be charged a non-refundable participation fee to defray the expense of the ceremony. Caps and gowns are required for the ceremony and are ordered by the Student Affairs Office.

Students who do not participate in the ceremony are not charged a fee.

## Honor Graduate

Student graduating with an Associate Degree or Diploma who has a graduation grade point average (GPA) equal to or in excess of 3.5 will be named an Honor Graduate and recognized during the Commencement Ceremony.

## President's Scholar

Students graduating with an Associate Degree or Diploma who has a graduation grade point average (GPA) of 4.0 will be named a President's Scholar and recognized during the Commencement Ceremony.

## Graduation Rate

Every postsecondary education institution is required by law to disclose its graduation rates annually. The 2016 graduation rate for Coastal Pines Technical College is 83.6%. This graduation rate reflects only full-time, first-time postsecondary students. Approximately 60% of the students at CPTC are part time and not included in this graduation rate.

# General Student Information

## Library

The mission of the Coastal Pines Technical College Library is to provide library resource and services which support the academic, cultural, and life-long learning needs of our students, faculty, staff, and local communities. The collection of resources available include print and electronic books, audiovisuals, journals and periodicals, current newspapers, scholarly online databases, interlibrary loan and select ADA equipment. Reference assistance and library instruction/orientation is also available. Space may include areas for study and leisure reading, computer utilization including Internet access and printing, study rooms and/or conference rooms, and computer labs.

## Online Library Orientation

The Online Library Orientation can be found on the Library Services page at <http://libguides.coastalpines.edu/libraryservices>

## E-Mail

Coastal Pines Technical College Global e-mail is the official means of communication and is provided to CPTC students. Financial aid announcements, course announcements, online course information, student club information, emergency notifications and general CPTC student information are communicated to students through student global e-mail accounts. Students should check their e-mail daily to stay current.

## Field Trips

Field trips can be an important component of a student's educational experience and the use of such out-of-classroom experiences is encouraged when appropriate. Students who participate in field trips are required to observe all applicable rules and procedures recorded in the CPTC Student Code of Conduct. Students who intend to participate in field trips are required to submit the following documents to their advisor or instructor upon request:

- Agreement to Abide by the Code of Conduct
- Assumption of Risk
- Limited Medical Authorization
- Release of Liability

Students who do not provide the above listed documents will not be approved to participate in field trips. Field trip activities must have prior approval by the appropriate departmental CPTC Vice President at least two business days prior to the date of the field trip.

## News Releases/Publications

In promoting Coastal Pines Technical College, many times students' names and/or photos appear in news releases, videos and publications. Students who wish to restrict the use of their names/pictures should contact the Office of Public Relations.

## Food and Beverages

Food and beverages may be consumed in designated areas only. Students are not allowed to eat in classrooms or laboratories. Upon approval of the class instructor, students may drink water in classrooms or laboratories. The water must be in a properly capped container that has been approved by the instructor.

## Photo Identification

All students are required to have their student ID with them while on campus. Students must provide the ID when requested by school personnel. There is a fee for a replacement ID.

## Children on Campus

Coastal Pines Technical College has established the following procedure concerning children on any Coastal Pines Technical College instructional sites:

- Children are not allowed on Coastal Pines Technical College instructional sites unless accompanied by an adult.
- Students are not allowed to bring children into classrooms/lab areas on Coastal Pines Technical College sites.
- Children are not allowed on Coastal Pines Technical College instructional sites for an extended period of time unless they are involved in an organized special program for children.
- Children must not be left unattended in waiting automobiles, hallways, snack bars, or outside buildings.
- Children who are not clients are not allowed in the Cosmetology Departments at any time. Prospective clients seeking appointments for services will be advised that services will be refused if accompanied by children. They will be further advised that children must not be left unattended in the areas listed above.

In the event children are found in class or wandering on Coastal Pines Technical College instructional sites, faculty and/or staff should ask the accompanying student to immediately leave Coastal Pines Technical College instructional sites with the child.

## Parking Guidelines

1. Any and all vehicles driven on Coastal Pines Technical College (CPTC) property by students, faculty, and staff must have a decal (either permanent or temporary).
2. All new students must obtain a parking permit (decal) during the first week of their college semester.
3. The parking decal must be prominently displayed on the exterior of the rear windshield (driver side) of the vehicle and must be visible at all times while on College property.
4. Students driving more than one vehicle will need to purchase an additional permit for each vehicle that will be parked on CPTC property.
5. Trucks, motorcycles, and mopeds must follow the same parking rules and procedures as cars.
6. Faculty, Staff or Students may not park in the following locations:
  - Spaces reserved for Visitors
  - Space reserved for CPTC Rick Perkins Instructor of the Year
  - Space reserved for CPTC GOAL Student of the Year
  - Space reserved for CPTC EAGLE Student of the Year
  - Spaces reserved for live work patrons such as cosmetology and automotive
  - Unpaved surfaces
  - Fire lanes or driveways

- Handicapped spaces without a current, state-issued disability hangtag or license plate displayed in or on the vehicle (Driver of vehicle must be the person for which the handicap permit is issued)
- Instructional outdoor classroom/lab areas

## Parking Decals

All students and employees are required to obtain and display a Coastal Pines Technical College parking decal. Parking decals can be obtained in the Student Affairs Office. Students, faculty, and staff attending or working at facilities not owned by CPTC will follow the parking procedures and rules of the host facility.

## Student Dress Code

The purpose of the Student Dress Code is to ensure that students are aware of what type of dress is considered appropriate and what is expected of them. Coastal Pines Technical College (CPTC) simulates the business/ industrial environment. CPTC invites the community to tour the facilities, and community events are held at many of its sites, with this in mind, students should dress in an appropriate manner.

All clothing and uniforms will be suitable for specific laboratory, clinical, or industry-related activities of the student's chosen occupation; meet safety and health requirements for the occupation; and conform to commonly accepted standards of modesty and privacy. Each student's dress, grooming, and personal hygiene must be appropriate in the classrooms, laboratories, shop areas, and clinical sites. The supervising administrator shall determine if the particular mode of dress results in disruptions or interference.

Students shall not dress, groom, wear, or use emblems, insignias, badges, or other symbols or lewd or vulgar words where the effect thereof is offensive to a reasonable person or otherwise causes disruption or interference with the orderly operations of the college.

Dress requirements vary in classrooms, laboratories, and shop areas. Students enrolled in internships and clinical courses are required to dress appropriately according to the requirements of the work for which they are being trained.

Definitions of appropriate attires are listed below.

- Business Attire: Determined by the instructors of the business programs. Students in business-related classes may be required to dress in business attire for business dress days in reference to their work ethics lesson.
- Clinical Attire: Uniforms consist of scrub top and pants, uniform top and pants/skirts or dress uniform and closed toe shoes.
- Industrial/Technical Attire: Industrial/technical attire consists of long sleeve cotton denim shirts, jeans with no tears or holes and leather work boots for welding programs. Short- or long-sleeved shirts, jeans, trousers, and tennis shoes are acceptable. Shorts are not acceptable for industrial/technical classes with labs.

The Vice President for Student Affairs of CPTC may designate the dress code that is appropriate for particular events. All CPTC students are expected to abide by the Student Dress Code standards identified. If a student has a question or needs special accommodations relating to the Dress Code, the student should discuss the request with his/her instructor or program advisor first and if further clarification is needed, with the Vice President for Student Affairs. CPTC will make every effort to provide reasonable accommodations based on the student's request. Requests for medical or religious accommodations must be made in writing by completing the Student Request for Medical or Religious Accommodation(s) Form. After a discussion with his/her program advisor, the Vice President for Student Affairs will approve, deny or recommend a modified accommodation based on the request. The Vice President for Student Affairs or designee will respond to the request within five (5) business days. The final approval will be submitted to the program advisor.

If any student does not meet the Dress Code standards, the student will be required to leave his/her respective campus and return dressed in appropriate attire. The student will be considered absent if the student misses a

scheduled class due to violating the Student Dress Code. Violation of the student dress code procedure will result in appropriate corrective measures up to and including disciplinary action and will be reflected in the work ethics grade.

## Students Acceptable and Unacceptable Dress Standards

### Acceptable Apparel

- All shirts and dresses must have sleeves.
- Shorts unless such dress violates classroom/laboratory safety and health requirements. The length of the shorts, dresses, or skirts will be no shorter than two inches above the knee.
- Low rider pants, trousers, or other clothing must be worn in a manner that does not reveal under garments or expose bare skin below waistline.

### Unacceptable Apparel

- Tank tops, tube tops, and shirts without sleeves
- Clothing that exposes areas of the stomach, side or back
- Pajama tops and /or bottoms
- Excessively tight-fitted clothing is not permitted
- Shirts/dresses that are see through, strapless, or expose cleavage (low cut) are not permitted
- Swimsuits

### Acceptable Footwear

- Shoes should meet classroom/laboratory safety and health requirements and be appropriate for the occupation for which students are training.

### Unacceptable Footwear

- Bare feet
- Bedroom slippers

### Acceptable Headwear

- Hats and baseball caps
- Religious head covering is permitted when it does not interfere with the function or purpose of required occupational headgear.

Note: Individual programs may have additional dress code requirements.

## Acceptable Computer and Internet Use

Coastal Pines Technical College, (CPTC) provides computer systems and Internet access for its students and employees. Employees utilizing College-provided Internet access are responsible for good behavior on-line just as they are in any other area of the college. This information applies to all CPTC employees, students, customers and anyone else who uses CPTC's information system and equipment, including but not limited to visitors. Any employee who violates this procedure will be subject to discipline up to and including dismissal. Violations of this procedure by other than employees or students will result in being banned from using CPTC equipment and may be handled legally. Using a computer without permission is theft of services and is illegal under state and federal laws. Federal law prohibits misuse of computer resources. In addition, the following specific computer crimes are prohibited by state law in Georgia (O.C.G.A. § 16-9-90 et seq.):

- Computer theft (including theft of computer services, intellectual property such as copyrighted material, and any other property);
- Computer trespass (unauthorized use of computers to delete or alter data or interfere with others' usage);
- Computer invasion of privacy (unauthorized access to financial or personal data or the like);
- Computer forgery (forgery as defined by other laws, but committed on a computer rather than on paper);

- Computer password disclosure (unauthorized disclosure of a password resulting in damages exceeding \$500 - in practice, this includes any disclosure that requires a system security audit afterward); and
- Misleading transmittal of names or trademarks (falsely identifying yourself or falsely claiming to speak for a person or organization by using their name, trademark, logo, or seal).

Maximum penalties for the first four crimes in the list are a \$50,000 fine and 15 years of imprisonment, plus civil liability. The maximum penalties for computer password disclosure are a \$5,000 fine and 1 year of imprisonment, plus civil liability.

The purpose of CPTC-provided Internet access is to facilitate communications in support of research and education. To remain eligible as users, students' use must be in support of and consistent with the educational objectives of the College. Access is a privilege, not a right. Users should not expect files stored on CPTC-based computers to be private. Electronic messages and files stored on CPTC-based computers shall be treated like other CPTC property that is temporarily assigned for individual use. Administrators may review files and messages in an effort to maintain system integrity and in an effort to insure that users are acting responsibly.

Moreover, CPTC officials shall cooperate with law enforcement officials who are properly authorized to search CPTC computers and computer systems.

All information created, stored or transmitted by CPTC computers or networks is subject to monitoring for compliance with applicable laws and procedures.

The following uses of Coastal Pines Technical College-provided computers, networks and Internet access are not permitted:

- To create, access or transmit sexually explicit, obscene, or pornographic material;
- To create, access or transmit material that could be considered discriminatory, offensive, threatening, harassing, intimidating, or attempts to libel or otherwise defame any person.
- To violate any local, state or federal statute;
- To vandalize, damage, or disable the property of another individual or organization;
- To access another individual's password, materials, information, or files without permission;
- To violate copyright or otherwise use the intellectual property of another individual or organization in violation of the law, including software piracy;
- To conduct private or personal for-profit activities; this includes use for private purposes such as business transactions, private advertising of products or services, and any activity meant to foster personal gain;
- To knowingly endanger the security of any CPTC computer or network;
- To willfully interfere with another's authorized computer usage;
- To connect any computer to any of the CPTC networks unless it meets technical and security standards set by the College;
- To create, install, or knowingly distribute any malware such as a computer virus, "Trojan horse," rootkit, keylogger, or other surreptitiously destructive program on any CPTC computer or network facility, regardless of whether any demonstrable harm results; and
- To modify or reconfigure the software or hardware of any agency computer or Network without proper authorization;
- To conduct unauthorized not-for-profit business activities;
- To conduct any activity or solicitation for political or religious causes;
- To perform any activity that could cause the loss, corruption of, prevention of rightful access to, or unauthorized distribution of Agency data and information; and
- To create, access, or participate in online gambling. Occasional access to information or websites of the Georgia Lottery Corporation shall not constitute nor be considered inappropriate use.
- To capture and or record network traffic without authorization.

Occasional personal use of Internet connectivity and e-mail that do not involve any inappropriate use as described above may occur, if permitted by the College. Any such use should be brief, infrequent, and shall not interfere with User's performance, duties and responsibilities. Users of CPTC computers and computer systems are subject to CPTC's procedure on the development of Intellectual Property. Any violation of this procedure and rules may result in disciplinary action against the employee or student. When and where applicable, law enforcement agencies may be involved.



CPTC makes no warranties of any kind, either express or implied, for the computers, computer systems and Internet access it provides. CPTC shall not be responsible for any damages users suffer, including but not limited to loss of data resulting from delays or interruptions in service. CPTC shall not be responsible for the accuracy, nature or quality of information gathered through CPTC hard drives or servers; nor for the accuracy, nature or quality of information gathered through College-provided Internet access.

CPTC shall not be responsible for personal property used such as laptops, tablets, smartphones, etc. to access its computers or networks or for CPTC provided Internet access. CPTC shall not be responsible for unauthorized financial obligations resulting from CPTC-provided access to the Internet.

The foregoing standards are equally applicable to employees of the TCSG, wherever housed, and to employees and students of CPTC.

Penalties Violations of these procedures incur the same types of disciplinary measures as violations of other CPTC procedures or state or federal laws, including criminal prosecution.

## Software Piracy

Software piracy is illegal and grounds for disciplinary action up to and including dismissal of employees who have illegally copied software. Penalties for illegally copying software are severe. According to the Business Software Alliance website:

### *Penalties for Illegal Software*

Infringement of copyright may constitute a criminal offense, exposing individuals and companies to substantial penalties and in the case of individuals, even imprisonment.

### *Criminal Penalties*

Under the Copyright Act, making an infringing copy of software with the intention of obtaining a commercial advantage or profit and if the person knows or ought reasonably to know that the copy is infringing copyright and is now a criminal offense. Offenders may be liable for:

- Fines up to \$93,500 and /or up to five years imprisonment for individuals
- Fines up to \$467,500 and/or up to five years imprisonment for companies.

### *Civil Penalties*

Making or using illegal copies of software for your personal use or at work is a civil offense under the Copyright Act and offenders are liable for:

- Damages of an unlimited amount (determined by the Court)
- Court costs in many circumstances, which can also be substantial.

It does not make any difference who loads the software. For example, if an employee loads personal software on a CPTC computer and then the software is copied by others at the College, the College is liable even though it was unaware of the activity. Any software on CPTC-owned computers including laptops, tablets, and smartphones used at home, in a classroom or in an office for which Coastal Pines Technical College does not have a license must be removed immediately. This is an excerpt from the Business Software Alliance website.

Many businesses, both large and small, face serious legal risks because of software piracy. Under the law, a company can be held liable for its employees' actions. If an employee is installing unauthorized software copies on company computers or acquiring illegal software through the Internet, the company can be sued for copyright infringement. This is true even if the company's management was unaware of the employee's actions.

# Ownership of Intellectual Property

Coastal Pines Technical College encourages the development, writing, invention, or production of intellectual property designed to improve the productivity of the college or to enhance the teaching/learning environment. In order that the college may fully utilize all works produced for and provided for its use, an employee or student producing work for the college or its use represents and warrants that such works:

- Do not violate any law;
- Do not violate or infringe any intellectual property right of any person or firm (including right of publicity); and
- Do not libel, defame, or invade the privacy of any person or firm.

Intellectual property refers to creations of the mind: inventions, literary and artistic works, and symbols, names, images, and designs used in commerce. Intellectual property includes, but is not limited to, materials which may be copyrighted, patented, and/or trademarked.

## Ownership

Unless otherwise provided in a separate agreement, the college owns all rights to a copyrightable or patentable work created by the employee or student with the support of college resources. Ownership refers to a legally binding agreement specifying the names, party, or parties to whom the intellectual property belongs and who will be attributed as the owners of the intellectual property in the general public. College resources include, but are not limited to, offices, computers, standard office equipment and supplies, libraries, labs, funds, and personnel.

Ownership resides with the employee or student if all of the following criteria are met:

- The work is the result of individual initiative, not requested or required by the college;
- The work is not the product of a specific contract or assignment made as a result of employment or enrollment with the college;
- The work is not prepared within the scope of the employee's job duties or course/program requirements;
- The work is not completed using equipment or resources provided by the college.

Ownership resides with the college if any of the above criteria are not met and/or if any of the following criteria applies:

- The work is prepared within the scope of the employee's job duties or course/program requirements;
- The work is the product of a specific contract or assignment made in the course of the employee's employment or student's enrollment with the college;
- The development of the work involved facilities, time, and/or other resources of the college including, but not limited to, release time, grant funds, college personnel, salary supplement, leave with pay, equipment, or other materials or financial assistance.

Any employee or student of Coastal Pines Technical College must obtain the express written approval of the president prior to the development of intellectual property if there is any question pertaining to ownership.

## Copyrighted Material

Literary works, textbooks, works of art, maps, computer software, musical and dramatic works, motion pictures and sound recordings, and other original works of authorship may be copyrighted. In order to be covered by copyright laws, the work must be in some tangible form, and it must be the product of original creative authorship. Ownership of copyrightable works must be consistent with the United States Copyright Law. The burden of obtaining the copyright, patent, license, and/or trade secret rights, including cost, is that of the owner.

## Revenue

Revenues derived from the development and creation of college-owned intellectual property are distributed to college revenue funds as determined by the president. In the event that intellectual property is licensed to the originator, the full rights for the copyright, patent, or trademark, and any resulting royalties or profits, shall remain with the originator.

All cases, in which questions arise as to the equities, rights division of revenues, or any other intellectual property-related matter, shall be referred to the College Council for consideration, interpretation of procedure, and decision. Appeal of the decision shall be to the Vice President for Administrative Services, then to the President, and finally to the Technical College System of Georgia (TCSG). Appeals within the college must be made in writing within 30 days of written notice of a final decision. Appeals to the TCSG shall be made in accordance with State Board policy.

# Student Code of Behavior/Grievances

## Student Rights and Responsibilities

Enrollment as a student at Coastal Pines Technical College (CPTC) carries with it certain responsibilities as well as certain rights and privileges. CPTC promotes a climate of academic honesty, critical investigation, strong work ethic, intellectual freedom and freedom of individual thoughts and expression consistent with the rights of others.

### **Students have the following rights:**

1. To be admitted to CPTC without discrimination in any respect.
2. To be in an atmosphere that is conducive to learning and to attend CPTC 's educational programs, course offerings, and activities on campus or any activity sponsored by CPTC off campus in accordance with procedures.
3. To obtain the necessary knowledge, skills, and abilities, in order to gain initial employment, maintain advanced levels of competence or acquire new levels of competence by participating in programs, course offerings, and activities in accordance with CPTC procedures.
4. To develop intellectual, personal, and social values.
5. To see their records and, if necessary, challenge their accuracy.
6. To participate in college approved student organizations in accordance with CPTC procedures.
7. To due process procedures.
8. To pursue grievances against instructors, administrators, or fellow students.
9. To have academic and disciplinary records kept confidential subject to existing laws. No official records of students are available to unauthorized persons without the expressed written consent of the student involved except under legal compulsion.
10. To be informed of student's right-to-know information required by federal requirements.

### **Students have the following responsibilities:**

1. To attend class regularly and on time.
2. To be acquainted with the published CPTC procedures and comply with them as well as federal and state laws.
3. Treat others with courtesy and respect.
4. Demonstrate personal and academic integrity in dealing with others.
5. Make positive contributions to the multicultural, multiracial environment at the College.
6. Share responsibility for maintaining the integrity of the physical surroundings

## Student Code of Conduct

Coastal Pines Technical College provides opportunities for intellectual, emotional, social, and physical growth. Technical college students assume an obligation to act in a manner compatible with the fulfillment of its mission. The technical college community recognizes its responsibility to provide an atmosphere conducive to growth. With these principles in mind, Coastal Pines Technical College establishes this Student Code of Conduct.

*(Summary of the CPTC Procedure: Student Conduct Code. Complete Procedure may be accessed at [http://www.coastalpines.edu/assets/1/7/CPTC\\_Student\\_Conduct\\_Code\\_Procedure.pdf](http://www.coastalpines.edu/assets/1/7/CPTC_Student_Conduct_Code_Procedure.pdf)).*

# Conduct Rules and Regulations

## Proscribed Conduct

Any student found to have committed any of the following types of misconduct is subject to the disciplinary sanctions outlined in the Student Disciplinary Policy and Procedure.

### A. ACADEMIC

#### Academic Misconduct Definitions

Academic Misconduct includes, but is not limited to, the following:

1. Aiding and Abetting Academic Misconduct
  - Knowingly helping, procuring, encouraging or otherwise assisting another person to engage in academic misconduct.
2. Cheating
  - Use and/or possession of unauthorized material or technology during an examination, or any other written or oral work submitted for evaluation and/or a grade, such as tape cassettes, notes, tests, calculators, computer programs, cell phones and/or smart phones, or other electronic devices.
  - Obtaining assistance with or answers to an examination or any other written or oral work submitted for evaluation and/or a grade from another person with or without that person's knowledge.
  - Furnishing assistance with or answers to an examination or any other written or oral work submitted for evaluation and/or a grade to another person.
  - Possessing, using, distributing or selling unauthorized copies of an examination, computer program, or any other written or oral work submitted for evaluation and/or a grade.
  - Representing as one's own an examination or any other written or oral work submitted for evaluation and/or a grade created by another person.
  - Taking an examination or any other written or oral work submitted for evaluation and/or a grade in place of another person.
  - Obtaining unauthorized access to the computer files of another person or agency and/or altering or destroying those files.
  - Obtaining teacher edition text books, test banks, or other instructional materials that are only intended to be accessed by technical college officials, college administrator or faculty member.
3. Fabrication
  - The falsification of any information or citation in an examination or any other written or oral work submitted for evaluation and/or a grade.
4. Plagiarism
  - Submitting another's published or unpublished work in whole, in part or in paraphrase, as one's own without fully and properly crediting the author with footnotes, quotation marks, citations, or bibliographical reference.
  - Submitting as one's own original work, material obtained from an individual or agency without reference to the person or agency as the source of the material.
  - Submitting as one's own original work material that has been produced through unacknowledged collaboration with others without release in writing from collaborators.

### B. NON-ACADEMIC MISCONDUCT

Non-Academic Misconduct includes, but is not limited to, the following:

1. Behavior
  - Indecent Conduct: Disorderly, lewd or indecent conduct, including public physical or verbal actions; language commonly considered offensive (not limited to, but including profanity); or distribution of obscene or libelous written or electronic material.

- Violence: physical abuse of any person (including dating violence, or sex violence) on technical college Premises or at technical college-sponsored or technical college-supervised functions, including physical actions which threaten or endanger the health or safety of any such persons. This includes fighting and/or other disruptive behavior, which includes any action or threat of violence which endangers the peace, safety, or orderly function of the technical college, its facilities, or persons engaged in the business of the technical college. Note: certain physical abuse may also be considered unlawful harassment.
  - Harassment: Coastal Pines Technical College prohibits unlawful conduct based on race, color, creed, national or ethnic origin, gender, religion, disability, age, genetic information, political affirmation or belief, disabled veteran, veteran of the Vietnam Era or citizenship status addressed directly to any individual or group that has the purpose or effect of unreasonably and objectively interfering with that individual or group's: (1) performance, (2) work or educational environment or (3) ability to participate in an educational program or activity. The College also prohibits stalking, or other behavior which objectively and unreasonably interferes with another's legal rights or creates an objectively intimidating, hostile, or offensive environment. (This also includes the display of or navigation to pornography and other inappropriate websites and materials and inappropriate behavior on social media and/or networking applications.) Impermissible harassment may include verbal, non-verbal and/or physical conduct.
  - Disruption: prohibits activities not otherwise protected by law including the First Amendment to the Constitution of the United States of America, which intentionally obstruct or interrupt teaching, research, administration, disciplinary proceedings or other technical college activities, including public service functions, and other duly authorized activities on technical college Premises or at technical college-sponsored activity sites.
  - Failure to Comply: Failure to comply with lawful directions of technical college officials and/or failure to identify oneself to these persons when requested to do so.
2. Professionalism
- Personal Appearance: Students are expected to maintain proper personal appearance at all times. Attire and grooming should be appropriate for the occupational area in which the student is training. Appropriate is what one normally would wear on a job in the specific area of training. Any attire considered unsafe or disruptive to the class will not be allowed. Students inappropriately dressed or dressed in a manner that could present a safety hazard will not be allowed to attend class. Students are expected to practice good personal hygiene. These requirements are designed to instill in each student a sense of order and respect for himself/herself, other students, and the faculty.
  - Refer to Coastal Pines Technical College [Student Dress Code Procedure](#)
3. Use of Technical College Property
- Theft and Damage: prohibits theft of, misuse of, or harm to technical college property, or theft of or damage to property of a member of the technical college community or a campus visitor on technical college Premises or at a technical college function.
  - Occupation or Seizure: illegal occupation or seizure in any manner of technical college property, a technical college Premises, or any portion thereof for a use inconsistent with prescribed, customary, or authorized use.
  - Presence on Technical College premises: prohibits unauthorized entry upon technical college premises; unauthorized entry into technical college premises or a portion thereof which has been restricted in use; unauthorized presence in technical college premises after closing hours; or furnishing false information to gain entry upon technical college premises.
  - Assembly: prohibits participation in or conducting an unauthorized gathering that objectively threatens or causes injury to person or property or that interferes with free access to technical college facilities or that is unprotected by the First Amendment to the Constitution of the United States of America and objectively harmful, obstructive, or disruptive to the educational process or functions of the technical college.
  - Fire Alarms: prohibits setting off a fire alarm or using or tampering with any fire safety equipment on technical college Premises or at technical college-sponsored activity sites, except with reasonable belief in the need for such alarm or equipment. In the event of a fire alarm sounding, students must evacuate the building unless otherwise directed by a technical college official.
  - Obstruction: prohibits obstruction of the free flow of pedestrian or vehicular traffic on technical college Premises or at technical college sponsored or supervised functions.
  - Refer to Coastal Pines Technical College [Parking: Procedures and Rules](#)

#### 4. Drugs, Alcohol and Other Substances

Substances referred to under this policy include all illegal drugs, alcoholic beverages, and misused legal drugs (both prescription and over-the-counter).

- Alcohol: Students must comply with all state and federal laws regulating alcohol as well as TCSG Policy 3.3.6, Alcohol on Campus. Alcoholic beverages may not be served or sold at any student sponsored function. Students being in a state of intoxication on technical college Premises or at technical college-sponsored or supervised functions (including off-campus functions), internships, externships, practicum, clinical sites, cooperative or academic sponsored programs or activities or in a technical college-owned vehicle is prohibited.
- Controlled substances, illegal drugs and drug paraphernalia: The technical college prohibits possession, use, sale, or distribution of any controlled substance, illegal drugs, or drug paraphernalia except as expressly permitted by law. Any influence which may be attributed to the use of drugs or of alcoholic beverages shall not in any way limit the responsibility of the individual for the conduct or consequences of his/her actions.
- Food: The technical college prohibits eating and/or drinking in classrooms, shops, and labs or other unauthorized areas on technical college Premises, unless otherwise permitted by technical college officials.
- Smoking/Tobacco: The technical college prohibits smoking, or using other forms of electronic, alternative smoking devices or other forms of tobacco products in classrooms, shops, and labs or other unauthorized areas on technical college Premises. Refer to the CPTC Procedure: [Tobacco Free Campus](#).

#### 5. Use of Technology

- Damage and Destruction: Destruction of or harm to equipment, software, or data belonging to the technical college or to others is considered unacceptable usage. This may include altering, downloading, or installing software on technical college computers, tampering with computer hardware or software configuration, improper access to the technical college's network, and disconnection of technical college computers or devices.
- Electronic Devices: Unless otherwise permitted by technical college officials, the technical college prohibits use of electronic devices in classrooms, labs, and other instructional, event, or affiliated facilities on technical college Premises. Such devices include, but are not limited to cell phones, beepers, walkie talkies, cameras, gaming devices, and other electronic devices, which may cause unnecessary disruption to the teaching/learning process on campus. Coastal Pines Technical College also prohibits attaching personal electronic devices to college computers under any circumstances.
- Harassment: Coastal Pines Technical College prohibits the use of computer technology objectively interfere with another's legal right to be free from harassment based on that individual's race, color, creed, genetic information, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, disabled veteran, veteran of the Vietnam Era or citizenship status.
- Unacceptable Use: Use of computing facilities to interfere with the work of another student, faculty member or technical college official. This includes the unauthorized use of another individual's identification and password.  
Coastal Pines Technical College prohibits any additional violation to the CPTC Procedure: Acceptable Computer and Internet Use.

#### 6. Weapons

Coastal Pines Technical College and the Technical College System of Georgia is committed to providing all employees, students, volunteers, visitors, vendors and contractors a safe and secure workplace and/or academic setting. The possession, carrying, or transportation of a firearm, weapon, or explosive compound/material in or on college building or property shall be governed by Georgia state law. All individuals are expected to comply with the related laws. Failure to follow laws pertaining to weapons is considered a violation of the Student Code of Conduct. Relevant Georgia laws to be aware of and compliant with include but may not be limited to:

O.C.G.A. § 16-8-12(a)(6)(A)(iii)

O.C.G.A. § 16-7-80

O.C.G.A. § 16-7-81

O.C.G.A. § 16-7-85

O.C.G.A. § 16-11-121

O.C.G.A. § 16-11-125.1

O.C.G.A. § 16-11-126

O.C.G.A. § 16-11-127

O.C.G.A. § 16-11-127.1  
O.C.G.A. § 16-11-129  
O.C.G.A. § 16-11-130  
O.C.G.A. § 16-11-133  
O.C.G.A. § 16-11-135  
O.C.G.A. § 16-11-137  
O.C.G.A. § 43-38-10

7. Gambling  
Coastal Pines Technical College System of Georgia prohibits the violation of federal, state or local gambling laws on technical college premises or at technical college sponsored or supervised activities.
8. Parking  
The technical college prohibits violation of Coastal Pines Technical College regulations regarding the operation and parking of motor vehicles on or around CPTC Premises.
9. Financial Irresponsibility  
Coastal Pines Technical College prohibits the theft or misappropriation of any technical college, student organization or other assets.
10. Violation of Technical College Policy  
Violation of System or Technical College Policies, rules or regulations including, but not limited to, rules imposed upon students who enroll in a particular class or program, internships, externships, practicum, clinical sites, co-operative, or any academic sponsored programs or activities, student organizations or students who reside in on-campus housing.
11. Aiding and Abetting  
Aiding, abetting, or procuring another person to do an activity which otherwise violates this Code of Conduct is prohibited.
12. Falsification of Documentation  
Disciplinary proceedings may be instituted against a student who falsifies any documentation related to the Coastal Pines Technical College either to the Technical College or to others in the community, including, but not limited to falsification of: Technical College transcripts; transcripts or other documentation from other institutions to obtain credit from or admission to the Technical College; Technical College report cards or other grade reports; documentation related to a student's citizenship status; tests, homework, attendance records; signature of any Technical College employee in his or her official capacity; signatures of any employee of a clinical or internship site where the student is participating in an educational program associated with the Technical College or records related to any clinical, internship or other academic activity associated with the Technical College.
13. Violation of Law
  - If a Student is convicted or pleads Nolo Contendere to an on-campus or off-campus violation of federal, state, or local law, but not has not been charged with any other violation of the Student Code of Conduct, disciplinary action may nevertheless be taken and sanctions imposed if the violation of federal, state or local law is detrimental to the technical college's vital interests and stated mission and purpose.
  - Disciplinary proceedings may be instituted against a student charged with violation of a law that is also a violation of the Student Code of Conduct if both violations result from the same factual situation, without regard to criminal arrest and/or prosecution. Proceedings under this Student Code of Conduct may be carried out prior to, simultaneously with, or following criminal proceedings.
  - When a student is charged by federal, state, or local authorities with a violation of law, the technical college will not request or agree to special consideration for that individual because of his/her status as a student. The technical college will cooperate fully with law enforcement and other agencies in the enforcement of criminal law on campus and in the conditions imposed by criminal courts for the rehabilitation of student violators. Individual students, acting in their personal capacities, remain free to interact with governmental representatives, as they deem appropriate.
14. Abuse of the Student Judicial Process, including but not limited to
  - Failure to obey the notification of the Vice President for Student Affairs, Hearing Body, Appellate Board or Technical College Official.
  - Falsification, distortion, or misrepresentation of information in a judicial proceeding.
  - Disruption or interference with the orderly conduct of a disciplinary proceeding.
  - Initiating a disciplinary proceeding knowingly without cause.
  - Attempting to discourage an individual's proper participation in, or use of, the disciplinary process.



- Attempting to influence the impartiality of a member of a Hearing Body, or Appellate Board prior to, and/or during the course of, the disciplinary proceeding.
- Harassment (verbal or physical) and/or intimidation of a member of a Hearing Body, or Appellate Board prior to, during, and/or after a disciplinary proceeding.
- Failure to comply with the sanction(s) imposed under the Student Code.

## Student Disciplinary Procedure

### Article IV: Judicial Policies

#### 1. Filing a Complaint

- Any person may file a complaint with the Vice President for Student Affairs or designee against any student for an alleged violation of the Student Code of Conduct. The individual(s) initiating the action should complete a Student Code of Conduct Complaint Form, and provide it to the Vice President for Student Affairs.
- Academic Misconduct may be handled using this procedure or a separate Academic Misconduct Procedure at the discretion of the technical college president.
- Investigation and Decision
  - Within five business days after the Student Code of Conduct Complaint Form (the "Complaint") is filed, the Vice President for Student Affairs shall complete a preliminary investigation of the incident, and schedule a meeting with the student against whom the complaint was filed in order to discuss the incident and the allegations. In the event that additional time is necessary, the Student will be notified. After discussing the complaint with the student, the Vice President for Student Affairs or designee shall determine whether the student committed the alleged conduct, and whether the alleged conduct constitutes a violation of the Student Code of Conduct.
  - The student shall have 5 business days from the date contacted by the Vice President for Student Affairs to schedule the meeting. This initial meeting may only be rescheduled one time. If the student fails to respond to the Vice President for Student Affairs within 5 business days to schedule the meeting, reschedules the meeting more than once, or fails to appear at the meeting, the Vice President for Student Affairs will consider the available evidence without student input and make a determination.
  - In the event that a Complaint alleges violations of the Student Code of Conduct by more than one student, each student's disciplinary proceeding, as well as any appeals relating to that proceeding, shall be conducted individually.
  - If the Vice President for Student Affairs determines that the student has violated the Student Code of Conduct, he/she shall impose one or more disciplinary sanctions consistent with those described below. If the Vice President for Student Affairs determines that the alleged conduct did not occur, or that the conduct was not a violation of the Student Code of Conduct, he/she shall not impose any disciplinary sanctions on the student and the investigation shall be closed.

#### 2. Disciplinary Sanctions

Based on the severity of the incident, the Vice President for Student Affairs may take one of two actions:

- After a determination that a student has violated the Student Code of Conduct, the Vice President for Student Affairs may impose, without referral to the Hearing Body, one or more of the following sanctions. Notification shall be sent to the student and the person(s) who initially filed the complaint.
  - Restitution – A student who has committed an offense against property may be required to reimburse the technical college or other owner for damage to or misappropriation of such property. Any such payment in restitution shall be limited to the actual cost of repair or replacement.
  - Reprimand – A written reprimand may be given to any student. Such a reprimand does not restrict the student in any way, but it signifies to the student that he/she is in effect being given another chance to conduct himself/herself as a proper member of the technical college community, and that any further violation may result in more serious sanctions.
  - Restriction – A restriction upon a student's privileges for a period of time may be imposed. This restriction may include but is not limited to denial of the right to represent the technical college in any way, denial of use of facilities, alteration or revocation of parking privileges, or restrictions from participating in extracurricular activities.

- Disciplinary Probation – Continued enrollment of a student on probation may be conditioned upon adherence to specified terms. Any student placed on probation will be notified of the terms and length of probation in writing. Any conduct determined after due process to be in violation of these terms while on probation may result in the imposition of more serious disciplinary sanctions, as specified by the terms of probation.
- Failing or lowered grade – In cases of Academic Misconduct, the Vice President for Student Affairs will make a recommendation to the Vice President for Academic Affairs or his/her designee who may authorize the instructor to award a failing or lowered grade in the course, or a loss of credit on the assignment or examination.
- After a determination that a student has violated the Student Code of conduct, the Vice President for Student Affairs may recommend the imposition of one of the following sanctions if appropriate. The Vice President for Student Affairs' recommendation will be forwarded to the Hearing Body, which may impose one or more of the following sanctions, as well as those described in section VI.2 above, following a hearing. A copy of the written recommendation shall be provided to the student and the person filing the complaint.
  - Disciplinary Suspension – If a student is suspended, he/she is separated from the technical college for a stated period of time. Conditions of reinstatement, if any, must be stated in the notice of suspension.
  - Disciplinary Expulsion – Removal and exclusion from the technical college, Technical College controlled facilities, programs, events, and activities. A record of the reason for the student's dismissal is maintained by the Vice President for Student Affairs. Students who have been dismissed from the technical college for any reason may apply in writing to the Vice President for Student Affairs for reinstatement twelve (12) months following the expulsion. If approval for reinstatement is granted, the student will be placed on disciplinary probation for a specified term. The probationary status may be removed at the end of the specified term at the discretion of the Vice President for Student Affairs.
  - System-Wide Expulsion – Where a student has been expelled or suspended three times from the same or different colleges in the Technical College System of Georgia in the past seven years, the student will not be permitted to register at any college in the Technical College System of Georgia for a period of ten years after the most recent expulsion/suspension.
- Violation of Federal, State, or Local Law
  - If a student is convicted or pleads nolo contendere to an off-campus violation of federal, state, or local law, but not with any other violation of the Student Code of Conduct, disciplinary action may be taken and sanctions imposed for misconduct that is detrimental to the technical college's vital interests and stated mission and purpose.
  - Disciplinary proceedings may be instituted against a student charged with violation of a law that is also a violation of the Student Code of Conduct if both violations result from the same factual situation, without regard to criminal arrest and/or prosecution. Proceedings under this Student Code of Conduct may be carried out prior to, simultaneously with, or following criminal proceedings.
  - When a student is charged by federal, state, or local authorities with a violation of law, the technical college will not request or agree to special consideration for that individual because of his/her status as a student. The technical college will cooperate fully with law enforcement and other agencies in the enforcement of criminal law on campus and in the conditions imposed by criminal courts for the rehabilitation of student violators. Individual students, acting in their personal capacities, remain free to interact with governmental representatives as they deem appropriate.
- Interim Disciplinary Suspension – As a general rule, the status of a student accused of violations of the Student Code of Conduct should not be altered until a final determination is made regarding the allegations against him/her. However, interim suspension may be imposed upon a finding by the Vice President for Student Affairs that the continued presence of the accused student on campus constitutes a potential or immediate threat to the safety and well-being of the accused student or any other member of the technical college community or its guests, or that the continued presence of the student on campus creates a risk of substantial disruption of classroom or other technical college-related activities. If an interim disciplinary suspension is imposed, the matter must be referred as soon as possible to the Hearing Body. The student need not request an appeal.
- Conditions of Disciplinary Suspension and Expulsion

- A student who has been suspended or expelled from the technical college shall be denied all privileges afforded a student and shall be required to vacate technical college Premises at a time determined by the Vice President for Student Affairs.
- In addition, after vacating the technical college Premises, a suspended or expelled Student may not enter upon the technical college Premises at any time, for any purpose, in the absence of written permission from the Vice President for Student Affairs. A suspended or expelled student must contact the Vice President for Student Affairs for permission to enter the technical college Premises for a limited, specified purpose.
- If the student seeks to submit a signed Disciplinary Sanction Appeal Form, the Vice President for Student Affairs must accept the form by mail or fax if he/she refuses the Student's request to enter the Technical College Premises for that specified purpose.
- A scheduled appeal hearing before the Hearing Body shall be understood as expressed permission from the Vice President for Student Affairs for a student to enter the technical college Premises for the duration of that hearing.

### 3. Mediation

- At the discretion of the technical college president the technical college may adopt a mediation procedure to be utilized prior to the appeals set forth herein. Mediation may never be used in cases of alleged sexual misconduct.

### 4. Hearing/Appeals Procedure

- A student who wishes to appeal a disciplinary decision by the Vice President for Student Affairs regarding an assigned sanction of restitution, reprimand, restriction, disciplinary probation, or failing or lowered grade must file a written notice of appeal through the technical college president's office for review by the Hearing Body within five business days of notification of the decision. The person filing the initial complaint against the student must be notified of the hearing date.
- If the Vice President for Student Affairs recommended a sanction of disciplinary suspension, disciplinary expulsion, interim disciplinary suspension, or system-wide expulsion, the matter will be referred to the Hearing Body by the Vice President for Student Affairs. The student need not file a written notice of his or her desire to appear before the Hearing Body. The person filing the initial complaint shall also be given notification of the hearing.
- The student will then have the right to appear in a hearing before a Hearing Body assigned by the technical college president or his/her designee within 10 business days to present evidence and/or testimony. If the student has been placed on an interim disciplinary suspension, the hearing must be held as soon as possible, preferably within five days. The student has the right to be assisted by any single advisor he/she chooses, at his/her own expense. The student is responsible for presenting his/her own case and, therefore, advisors are not permitted to speak or to participate directly in any hearing before a Hearing Body. The Hearing Body may consist of a single person or a group of people drawn from the technical college community. There shall be a single official record, such as a tape recording, of all hearings before the Hearing Body. The official record shall be the property of the technical college. The standard of proof in all hearings shall be a preponderance of the evidence. The chairperson of the Hearing Body shall notify the technical college president and the Vice President for Student Affairs in writing of the Hearing Body's decision. The technical college president or his/her designee will notify the student in writing of the Hearing Body's decision.
- If the student appeared before the Hearing Body to appeal the Vice President for Student Affairs' sanction of restitution, reprimand, restriction, disciplinary probation, or failing or lowered grade, the Hearing Body's decision regarding the appeal is final.
  - A copy of the Hearing Body's written decision will be provided to both the student and the person who filed the original complaint.
- If the student appeared before the Hearing Body after the Vice President for Student Affairs recommended disciplinary suspension, disciplinary expulsion, interim disciplinary suspension, or system-wide expulsion, the student shall have the opportunity to appeal directly to the technical college president.
- If entitled to an appeal to the technical college president, the student shall have 5 business days after receiving written notification of the Hearing Body's decision to request in writing an appeal. The student shall ensure that all relevant information is included with this request. The person who filed the original complaint shall be notified of the student's appeal.
- The president of the technical college or his/her designee's review shall be in writing and shall only consider evidence currently in the record, new facts not brought up in earlier stages of the appeal

shall not be considered. The technical college president or his/her designee shall deliver the decision to the student and the person who filed the original complaint within 10 business days. The decision of the technical college president or his/her designee shall be final and binding.

## Document Retention

The Vice President for Student Affairs shall retain a copy of all documents concerning complaints, investigations, administrative actions, and communications in relation to any incident that resulted in a disciplinary investigation of any kind against a student. The Vice President for Student Affairs will also retain records of any disciplinary appeals filed by the affected student, as well as the resulting record of appeal and decision submitted by the Hearing Body and the technical college president or his/her designee. A record of the final decision must also be retained. All records specified in this section shall be retained for a period of five years.

## Student Complaints Grievances

Coastal Pines Technical College (CPTC) students have the right to file informal and formal complaints regarding issues arising from the application of a policy or procedure. It is the policy the Technical College System of Georgia (TCSG) and CPTC to maintain a complaint process available to all students that provides an open and meaningful forum for their complaints, resolution of those complaints, and is subject to clear guidelines. Given the variety of situations in which complaints might arise, the response to concerns will follow either an informal or formal process.

### **Informal Complaint:**

Complaints are considered informal when they are expressed verbally, by mail, or submitted via the Suggestion Box on the CPTC website.

### **Formal Complaint:**

Complaints are considered formal when the concern is submitted in writing and the document specifically indicates the writer intends to file a formal complaint. Concerns submitted by email will be considered informal unless the body of the email specifically indicates otherwise.

Procedures for filing formal complaints/grievances are published in the CPTC Catalog and Student Handbook, which is accessible on the CPTC website.

When filing a complaint/grievance, the student should adhere to specified deadlines and provide detailed information about the nature of the complaint, including date(s), time(s), and names of individuals involved, as well as the procedure violated (if known). Supporting documentation which substantiates the complaint should be included if available.

The office of the Vice President for Academic Affairs maintains a log of academic related student complaints that are processed at the Vice President's level.

The office of the Vice President for Student Affairs maintains a log of non-academic student complaints to include student code of conduct, sexual harassment, unlawful harassment, discrimination, and all other non-academic complaints or grievances.

Student logs are reviewed annually by the appropriate Vice President in order to identify trends and address recurring problems. Findings are shared with the Cabinet. If trends are identified, the Cabinet develops action plans to address the problems.

Type of Complaint/ Grievance	Directed To	Timeline for Complaint Resolution
Academic Grade Appeals	Academic Student Affairs	to appeal to the instructor who awarded the grade within 10 business days. If not resolved, to the Dean within 20 business days; then to the VP Academic Affairs within 30 business days.

Academic Suspension or Dismissal Appeal	Vice President for Academic Affairs	Student to file appeal within 10 business days from learning of Suspension or Dismissal
General Non-Academic	Vice President for Student Affairs	Student has 10 business days from date of incident to resolve the matter informally; if not resolved, 15 business days to file the formal grievance. The VP for Student Affairs or President's designee will investigate and respond to the student within 15 business days. An additional 15 business days shall be granted upon notice to the grieving student. The student may appeal the decision of the VP for Student Affairs or President's designee to the College President within 5 business days of receiving response. The decision of the appeal shall be made within 10 business days of receipt of the appeal.
Code of Conduct	Vice President for Student Affairs	Within 5 business days of a filed Code of Conduct Complaint, the VP for Student Affairs or designee shall conduct a preliminary investigation and schedule a meeting with the student against whom the complaint was filed. The student shall have 5 business days from the date contacted to schedule a meeting. If sanctions are recommended, the student shall have the right to appear in a hearing within 10 business days. If eligible for appeal, the student shall have 5 business days after receiving notification to file an appeal. The College President shall deliver the appeal decision within 10 business days.
Unlawful Harassment and Discrimination including Title VI/ Section 504/ADA and Title IX/Sex Discrimination	Special Services Director	Investigations of all complaints shall be completed within 45 business days of the receipt of the complaint. No later than 10 business days after completion of an investigation, parties will be provided investigative summary findings. Any of the parties to a complaint may request a review of the investigative findings within 5 business days of receiving notice. Within 10 business days of receiving a request for review, the President will notify the parties in writing of his/her final determination.

## Academic Freedom

Coastal Pines Technical College (CPTC) supports the concept of academic freedom in accordance with State Board policy (5.1.1p Academic Freedom). CPTC safeguards and protects these rights of academic freedom by providing faculty and students the right to initiate grievance procedures should they have complaints dealing with the infringement of or personal penalization as the result of the exercise of this freedom.

To ensure academic freedom, any faculty member or student who believes his/her academic freedom has been violated may present a written complaint to the Vice President for Academic Affairs within seven (7) business days of the alleged incident. If the complaint is against the Vice President for Academic Affairs, the written complaint will be filed with the Vice President for Student Affairs. The complaint must contain a brief description of the alleged incident, relief requested, and the signature of the complainant. Within ten (10) business days of the complaint, an informal resolution will be attempted. If an informal resolution is not made, an investigation will be conducted and completed within 30 days by the appropriate Vice President.

At the conclusion of the investigation, a written report will be made presenting the findings of fact, investigative conclusions, and any recommended actions, if appropriate. If the complainant is not satisfied with the investigation report, he/she may present a written appeal to the President of CPTC stating the reasons for disagreement. The President will review the complaint and render a decision regarding a resolution within 30 days. If the complaint is against the President, the appeal will be filed with the Assistant Commissioner, Technical Education. The decision of the President or Assistant Commissioner is final.

## Grievance/Compliant Appeals Officers

Type of Complaint	Complainant Officer	
Academic Appeals	Student	Vice President for Academic Affairs
American Disabilities Act - Title II/Section 504 Employee	Employee	Human Resource Coordinator
American Disabilities Act - Title II/Section 504 Student	Student	Special Services Director
Employment Related Grievances	Employee	Human Resource Coordinator
Equity – Title VI	Employee	Human Resource Coordinator
Equity – Title VI	Student	Special Services Director

Sexual Discrimination - Title IX	Employee	Human Resource Coordinator
Sexual Discrimination - Title IX	Student	Special Services Director
Student Discipline/Code of Conduct	Student	Vice President for Student Affairs
General Non-Academic	Student	Vice President for Student Affairs

## Unlawful Discrimination, Harassment, and Retaliation in Employment

### Purpose:

It is the purpose of this procedure to ensure that all employees within the Technical College System of Georgia (TCSG) shall be provided an environment free of unlawful harassment (including sexual harassment and sexual violence), discrimination, and retaliation.

All employees and employees are expressly prohibited from engaging in any form of unlawful harassing, discriminating, intimidating or retaliatory behavior or conduct ("prohibited conduct") in all interactions with each other, whether or not the interaction occurs during class or on or off campus. Visitors to campuses also shall not engage in prohibited conduct and may be barred from campus for such prohibited conduct. Allegations of discrimination, harassment or retaliation, occurring at clinical sites to which employees are assigned shall be investigated in accordance with this procedure.

Any student or employee who has engaged in prohibited conduct will be subject to disciplinary action up to and including expulsion or dismissal. Nothing in this procedure shall be interpreted to interfere with any person's right to free speech as provided by the First Amendment to the Constitution of the United States of America. All employees are required to report any prohibited conduct. Reports will be treated in an expeditious and confidential manner. CPTC will not tolerate retaliation for having filed a good faith harassment and/or discrimination complaint or for having provided any information in an investigation. Any individual who retaliates against a complainant or witness in an investigation will be subject to disciplinary action, up to and including expulsion or dismissal.

Employee complaints of unlawful harassment or discrimination shall be conducted pursuant to the process outlined in the procedure governing Unlawful Harassment, Discrimination and Retaliation in Employment.

### Applicability:

All work units and technical colleges associated with the Technical College System of Georgia.

### Related Authority:

State Board Policy 1.B. Statement of Equal Opportunity

Title IX of the Educational Amendments of 1972

20 U.S.C. §§ 1681 et seq.

Violence Against Women Reauthorization Act of 2013

Campus Sexual Violence Elimination Act (Campus SaVE)

O.C.G.A. § 19-7-5

Titles VI and VII of the Civil Rights Act of 1964

Age Discrimination Act of 1975

Rehabilitation Act of 1973, as amended

Americans with Disabilities Act of 1990

Americans with Disabilities Amendments Act (ADAAA) of 2008

Genetic Information Nondiscrimination Act (GINA) of 2008 Procedure: Student Grievances

### Definitions:

1. Unlawful Discrimination: the treatment, or consideration of, or making a distinction in favor or against a person based upon a legally protected characteristic, class or category to which the person belongs: e.g. race, color, religion, gender, national origin, age, or disability. Unlawful discrimination can also be the effect of a procedure or practice that confers or denies privileges to a protected class because of race, color, religion, etc.

2. Unlawful Harassment (Other Than Sexual Harassment): Verbal or physical conduct that disparages or shows hostility or aversion toward an individual because of that person's race, color, religion, gender, national origin, age, or disability. The conduct will be considered Unlawful Harassment if it:
  - Has the purpose or effect of creating an intimidating, hostile or offensive work environment; or
  - Has the purpose or effect of unreasonably interfering with an individual's work performance.
3. Examples of Unlawfully Harassing Conduct or Behavior (Other Than Sexual Harassment) or Generally Offensive Behavior/Conduct:
  - Offensive remarks, jokes, epithets, slurs, negative stereotyping, or threatening, intimidating or hostile acts that relate to race, color, religion, gender, sexual orientation, national origin, age or disability;
  - Displaying offensive written or graphic material, pictures, photographs, or drawings on walls, bulletin boards, computers, or other work locations, or which are circulated in the work place;
  - Offensive e-mail, text or voice mail message(s), or inappropriate use of state resources (e.g. downloading sexually explicit websites and/or information); and Foul or obscene language. This is a representative list of harassing conduct or behavior and is not intended to be exhaustive.
4. Sexual Harassment (a form of unlawful harassment): unwelcome sexual advances, unwelcome requests for sexual favors, and other unwelcome verbal, written, electronic or physical conduct of a sexual nature when:
  - Submission to such conduct is made, either explicitly or implicitly, a term or condition of an individual's employment;
  - Submission to, or rejection of, such conduct by an individual is used as the basis for employment decisions affecting such individual; or
  - Such conduct has the purpose or effect of unreasonably interfering with an individual's work performance or creating an intimidating, hostile or offensive working environment.
5. Examples of Sexually Harassing Conduct or Behavior: Sexually harassing conduct or behavior (regardless of the gender of the persons involved) includes:
  - Physical touching; Sexual comments of a provocative or suggestive nature; Suggestive looks or gestures; Jokes, printed material or innuendoes; or Making acceptance of unwelcome sexual conduct, advances, or requests for sexual favors of any nature a condition for employment, employment decisions, or continued employment (pressure for sexual favors).

This is a representative list of conduct or behavior and is not intended to be exhaustive.
6. Retaliation: Unfavorable employment action taken, unfavorable employment condition created, or other action taken for the purpose of intimidation that is directed toward an employee because the employee reported or complained of unlawful discrimination or harassment or because the employee participated in an investigation of such.
7. Employees: Any individual employed in a full or part time capacity in any work unit and/or technical college associated with the Technical College System of Georgia ("TCSG").
8. Non-Employee: Any third party, (e.g. volunteer, vendor, contractor, etc.) who conducts business with or on behalf of a work unit or technical college.
9. President: the chief executive officer responsible for the management and operation of the technical college where the complainant and/or respondent are currently employed.
10. Human Resources Director: The highest ranking employee responsible for the human resource function at a technical college. The System Office Human Resources Director provides technical assistance and expertise to all college HR Directors and manages the human resource function for all work units not associated with a technical college.
11. Local Investigator: The person(s) at the technical college who is delegated the responsibility for the investigation of employee complaints of unlawful discrimination, harassment, and retaliation complaints. Local Investigators are typically staff from the college's Office of Human Resources but may also include Title IX Coordinators.
12. Title IX Coordinator: an individual designated by the president of the college to ensure compliance with Title IX of the Educational Amendments of 1972, 20 U.S.C. §§ 1681 et seq., and related federal regulations. The Title IX Coordinator may also be assigned the responsibility for compliance with other state and federal civil rights laws that prohibit discrimination in programs or activities that receive federal financial assistance from the U.S. Department of Education.

## Policy Administration

1. The State Board Policy Statement on Equal Opportunity should be permanently displayed on official bulletin boards of the technical colleges and System Office and easily assessable to staff.
2. Supervisors must take ongoing proactive steps to ensure their work environments are free from any type of discrimination, unlawful harassment and retaliation and to educate their staff on appropriate conduct.
3. All current and future employees shall be required to read and become familiar with the Statement of Equal Opportunity and other employment-related policies and procedures located in the TCSG State Board Policy Manual (tcsge.edu).
4. As a condition of employment, all employees (current and future) are required to read and sign the employee acknowledgment of this procedure which will become a permanent part of the employee's personnel record.
5. Any employee, student, contractor or volunteer who has any questions concerning this Procedure should direct those questions to the college's Title IX Coordinator or Human Resources Director.
6. Presidents should ensure that employees receive appropriate training on the identification, prevention, and reporting of sexual harassment.

## Reporting and Management Action

1. All employees are required to report allegations of unlawful discrimination, harassment and retaliation against themselves or others, as well as other possible policy violations.
  - Allegations of unlawful discrimination, harassment or retaliation may be reported by employees within their chain of command, or may bypass the normal chain of command and report an allegation/suspicion directly to the Title IX Coordinator or Human Resources Director; employees may also email complaints to: UnlawfulHarassment@tcsge.edu.
  - Complaints can be expressed in writing, by telephone, or in person.
2. Supervisors who have reason to believe that unlawful discrimination, harassment and/or retaliation may exist shall immediately inform the President, Human Resources Director, Title IX Coordinator or the System Office Human Resources Director.
3. Other than reporting the information and discussing it with the investigator, employees must keep the information confidential unless release is approved, or unless final action has been taken pursuant to this Procedure.
4. Employment related unlawful discrimination, harassment or retaliation complaints received by the Title IX Coordinator shall be immediately reported to the Human Resources Director.
5. A President or other designee of the Commissioner may suspend with pay, temporarily transfer, or reassign employees involved in an investigation in order to prevent further discrimination or harassment or to facilitate the effectiveness of an investigation. Whenever possible, any changes in assignments or work status for a complainant should not be made.
6. Unless otherwise authorized by the System Office Human Resources Director or Office of Legal Services, no disciplinary action shall be taken against the respondent until an investigation has been completed. NOTE: A suspension with pay pending completion of an investigation is not a disciplinary action.
7. All allegations of unlawful discrimination, harassment and retaliation by or against a System office employee, Vice President or President of a technical college shall be referred to the System Office Human Resources Director or the Office of Legal Services.
8. A President may refer any allegation of unlawful discrimination harassment, and/or retaliation to the System Office Human Resources Director or Office of Legal Services for investigation. Investigations may also be conducted in conjunction with the Local Investigator.

## Investigations

1. All complaints shall be investigated thoroughly and should be completed within 45 business days of the receipt of the complaint. The parties will be notified if extraordinary circumstances exist requiring additional time.
2. If a complaint does not specify facts sufficient to support an allegation of unlawful discrimination, harassment or retaliation the President, after consultation with the Office of Legal Services, may determine the allegations will not be investigated pursuant to this Procedure. The complaint, if appropriate, may be investigated pursuant to the Employee Complaint Procedure. The complainant must be notified of the decision within five (5) business days of receipt of the complaint.



- Upon consent by both the complainant and the respondent, any complaint not rising to an allegation of unlawful conduct may also be referred for mediation in lieu of investigation. Mediations must be conducted by a qualified objective-third party not employed by the college.
- 3. Both the complaining party and the respondent will be given an equal opportunity to identify witnesses and offer evidence in person or in writing. Best efforts will be made to interview all witnesses identified by the parties.
- 4. Conduct which does not rise to the level of unlawful discrimination or harassment as those terms are defined in this Procedure may still violate other policies or procedures and any such violations should be included in investigative findings.
- 5. Investigative materials generated through the application of this Procedure will be processed and maintained confidentially to the extent permitted by law.

## Review and Disposition

1. Local Investigators and Presidents should consult with the Office of Legal Services when making the determination whether or not the facts support a finding of unlawful conduct.
2. If the results of the investigation do not support a finding of unlawful discrimination, harassment or retaliation, or other policy violations, the matter will be closed and the parties notified of such.
3. If the results of the investigation support a finding of unlawful harassment, discrimination or retaliation or any other policy violation, the President shall promptly take any necessary action to ensure the conduct is not repeated. Actions may include, but not be limited to, mandating training, issuance of disciplinary actions, or dismissal from employment.
4. Both the complainant and the respondent will be notified in writing of the results of the investigation; provided, however, that if disciplinary action is to be initiated as a result of the investigation, neither party will be notified until all disciplinary actions are taken.

# Campus Safety & Security

## College Security Statistics

As required by the Higher Education Act, the Coastal Pines Technical College Police Chief must report required College crime statistics annually. Summary reports are posted on the Department of Education website and on the CPTC website made available to faculty, staff, and the community. The report also contains procedures for crime reporting, general security, sexual assault policy, drug and alcohol policy including Georgia state laws and health risks of drug/alcohol use, weapons policy and the most recent report in compliance with the Campus Crime Statistics Act.

## Safety

Safety precautions for the College are posted and announced in common areas, labs, and classrooms. Students are not to use any equipment except under the supervision of the instructor and then only after safety precautions have been explained and demonstrated. Any student willfully disobeying safety signs, regulations, or warnings from instructors is subject to immediate dismissal.

Coastal Pines Technical College is committed to a safe educational environment for students and a safe working environment for faculty and other staff. For details, see CPTC Emergency Operations Plan.

CPTC has an officer on site or who monitors site activity via video surveillance during the hours students occupy the buildings.

For an emergency requiring immediate assistance: Call 911

For non-emergency assistance:

Alma	912-632-0951
Baxley	912-367-1700
Camden	912-510-3300
Golden Isles	912-424-9405
Hazlehurst	912-379-0041
Jesup	912-424-9403
Waycross	912-424-9410

Any student who desires an escort to their vehicle in a CPTC parking area should contact the front desk, officer or an instructor for assistance. Escorts will be considered on a case-by-case basis.

## Crime Awareness and Reporting

Any student or employee witnessing or being subject to any criminal act on campus or off-campus instructional site must report the incident immediately to the Security/Police Officer on duty. In the absence of a Security/Police Officer the incident must be reported to any available Vice President or supervisor.

Local authorities will be contacted and advised of any incident reported which involves a criminal action occurring on the College campus or off-campus instructional site. Coastal Pines Technical College facilities are accessible for staff, students, and visitors during regularly scheduled hours, which may vary by location. The College is also open on weekends occasionally for special functions. Coastal Pines Technical College does not have campus residences.

All crimes will be reported immediately and accurately to the College Police Chief and appropriate law enforcement agencies. Coastal Pines Technical College works closely with state and local police and law enforcement agencies in reporting all known campus crime.

## Emergency Procedures

Emergency evacuation routes and procedures are posted in each area. In emergency situations, specific evacuation and emergency response procedures will be provided by the classroom instructor.

## Emergency Closing

The College retains the right to alter the business and class hours if conditions exist that may threaten the health, safety, or welfare of students and personnel. Every effort will be made in such cases to notify students and personnel, as appropriate. Such changes will be announced by website, email, text, major television and radio stations.

## Rave Alerts

Rave Alerts are used to send emergency communications and other important information via text message and email.

Employees and students enrolled in certificate, diploma and/or degree programs are automatically added each semester. Rave Alerts accounts may be accessed at <https://www.getrave.com/login/coastalpines>. Username should be the CPTC email address issued to the user. If the user may not know or remember their password, then please click on the link provided for "Forgot your password?"

Adult Education, Continuing Education and Corporate Training students; facility rental and event guests; and all others may request to be added to the system to receive Rave Alerts at <https://www.emailmeform.com/builder/form/SGaDrzJggFcMRsCo>. After being added, users may access their Rave Alerts account at <https://www.getrave.com/login/coastalpines>. Username should be the email address indicated when making the request to be added. If the user may not know or remember their password, then please click on the link provided for "Forgot your password?"

## Tobacco Usage

In an effort to provide a healthier and cleaner environment for students, employees and visitors, the Coastal Pines Technical College (CPTC) main campus and all off-campus instructional sites are tobacco-free. The use of tobacco products (including, but not limited to, cigarettes, electronic cigarettes, personal vaporizers, electronic nicotine delivery systems, cigars, pipes, and smokeless tobacco) is prohibited inside and outside all buildings, parking lots, commons areas, and within any college vehicle or any vehicle operated by the College. This procedure applies to students, employees, and visitors.

The monitoring and enforcement of the tobacco-free campus procedure is the responsibility of all CPTC faculty, staff, and students.

## Students

Students are expected to comply with the Tobacco-Free Campus Procedure. A fine of \$15.00 will be assessed each time a student is witnessed violating the procedure on Coastal Pines Technical College grounds. Failure to pay a fine will result in a hold placed on student's accounts. Habitual violators could face disciplinary sanctions issued by the college that could result in suspension or expulsion.

## Faculty and Staff

Coastal Pines Technical College has the right to prohibit the use of tobacco products on its property. Those employees who use tobacco products do not have the right to violate this procedure. An employee who fails to comply with this procedure will be subject to positive discipline procedures of the Technical College System of Georgia. Non-compliance should be reported to the employee's supervisor. Many cessation or other educational intervention resources are available for use by employees and may be recommended or required by the employee's supervisor.

## Personnel Renting/Using Grounds or Facilities

Coastal Pines Technical College has the right to prohibit the use of tobacco products on its property. Personnel renting/using the grounds/facilities do not have the right to violate this procedure. Contract agreements with such personnel may be terminated or not renewed.

## School Safety Zone Weapons Restriction

The Technical College System of Georgia is committed to providing all employees, students, volunteers, visitors, vendors and contractors a safe and secure workplace and/or academic setting. The possession, carrying, or transportation of a firearm, weapon, or explosive compound/material in or on college buildings or property shall be governed by Georgia state law. All individuals are expected to comply with the related laws. Failure to follow laws pertaining to weapons is considered a violation of the Student Code of Conduct. Relevant Georgia laws to be aware of and compliant with include but may not be limited to:

- O.C.G.A. § 16-8-12(a)(6)(A)(iii)
- O.C.G.A. § 16-7-80
- O.C.G.A. § 16-7-81
- O.C.G.A. § 16-7-85
- O.C.G.A. § 16-11-121
- O.C.G.A. § 16-11-125.1
- O.C.G.A. § 16-11-126
- O.C.G.A. § 16-11-127
- O.C.G.A. § 16-11-127.1
- O.C.G.A. § 16-11-129
- O.C.G.A. § 16-11-130
- O.C.G.A. § 16-11-133
- O.C.G.A. § 16-11-135
- O.C.G.A. § 16-11-137
- O.C.G.A. § 43-38-10

## Workplace Violence

The Technical College System of Georgia (TCSG) and Coastal Pines Technical College are committed to providing all employees, students, volunteers, visitors, vendors and contractors a safe and secure workplace and/or academic setting free of intimidating, threatening, or violent behavior. Specifically, violent acts, threats (direct or implied), unlawful harassment, verbal or physical abuse, stalking, intimidation, and other disruptive behavior, language or communication in any form (including by telephone, facsimile electronic mail, written communication or social media) are expressly prohibited.

No employee, student, volunteer, visitor, vendor, or contractor shall engage in prohibited behavior or conduct against another individual at CPTC (including a satellite campus/location) or at any sanctioned off-site function.

A student, who believes that he/she has been subject to workplace violence should report the matter immediately to a CPTC administrator or Police Chief via an electronic version of the Workplace Violence Incident Reporting Form located on the CPTC website.

Any CPTC student who engages in prohibited behavior shall be subject to disciplinary action up to and including expulsion consistent with the provisions/guidelines of CPTC's Student Code of Conduct.

Examples of prohibited behavior include, but are not limited to:

- physically menacing/threatening behavior or gestures which convey a threat. NOTE: threats of violence will not be excused on the grounds that they were made in "jest" or in a "joking" manner.

- unlawful harassment, including ethnic, racial, or sexual epithets;
- physical attack/assault with or without a weapon;
- fighting and/or physical altercations, including any "fighting" that may be characterized as "horseplay";
- stalking;
- direct or implied verbal threats or abusive, intimidating, or obscene language;
- intentional damage to TCSG property;
- intentional damage to the personal property of an employee, student, volunteers, visitor, vendor, or contractor; or,
- possession of a weapon on technical college property when such possession violates the provisions of O.C.G.A.§ 16-11-127.1 and State Board Policy 3.3.10.

Students should remain alert to and be familiar with their surroundings to better recognize potentially serious situations. Many acts of targeted workplace violence are preceded by direct or indirect threats; therefore, all threats must be taken seriously and should be reported as soon as possible.

Any complaint registered against a CPTC student regarding a potential violation of this procedure will be investigated consistent with the provisions of CPTC's Student Disciplinary Procedure. Procedure 4.3.3p (III.X): Workplace Violence may be accessed at [https://tcsge.edu/tcsgpolicy/tcsg\\_policy\\_manual.pdf](https://tcsge.edu/tcsgpolicy/tcsg_policy_manual.pdf).

# Degrees

## Accounting

### Accounting AC13

The Accounting Associate Degree program is a sequence of courses that prepares students for a variety of careers in accounting in today's technology-driven workplaces. Learning opportunities develop academic, technical, and professional knowledge and skills required for job acquisition, retention, and advancement. Program graduates receive an Associate of Applied Science Degree in Accounting.

**Type:** Associate of Applied Science, AAS

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English	Reading	Math	Algebra
249	236	N/A	245

### Area I - Language Arts/Communications

Successful completion of ENGL 1101 is required.

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Area II - Social/Behavioral Sciences

Item #	Title	Credits
ECON 1101	Principles of Economics	3
ECON 2105	Macroeconomics	3
ECON 2106	Microeconomics	3
HIST 1111	World History I	3
HIST 1112	World History II	3
HIST 2111	U.S. History I	3
HIST 2112	U.S. History II	3
POLS 1101	American Government	3
PSYC 1101	Introductory Psychology	3
SOCI 1101	Introduction to Sociology	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Area III - Natural Sciences/Mathematics

Item #	Title	Credits
MATH 1100	Quantitative Skills & Reasoning	3
MATH 1101	Mathematical Modeling	3
MATH 1103	Quantitative Skills & Reasoning	3
MATH 1111	College Algebra	3
MATH 1112	College Trigonometry	3
MATH 1113	Precalculus	3
MATH 1127	Introduction to Statistics	3
MATH 1131	Calculus I	4
MATH 1132	Calculus II	4
MATH 1133	Calculus III	4
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Area IV - Humanities/ Fine Arts

Item #	Title	Credits
ARTS 1101	Art Appreciation	3
ENGL 2110	World Literature	3
ENGL 2130	American Literature	3
HUMN 1101	Introduction to Humanities	3
MUSC 1101	Music Appreciation	3
RELG 1101	World Religion	3
SPAN 1101	Introduction to Spanish	3
THEA 1101	Theater Appreciation	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Specific General Education Core Elective

One additional course from Area I, II, III, or IV

For a complete listing of General Education courses and electives select the following link:

[General Education Courses](#)

**Minimum Credit Hours for Graduation: 3**

### Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
BUSN 1440	Document Production	4
ACCT 1100	Financial Accounting I	4
ACCT 1105	Financial Accounting II	4
ACCT 2000	Managerial Accounting	3
ACCT 1115	Computerized Accounting	3
ACCT 1120	Spreadsheet Applications	4
ACCT 1125	Individual Tax Accounting	3
ACCT 1130	Payroll Accounting	3
	Accounting Electives (9 credits)	9
	Electives (9 credits)	9
<b>Minimum Credit Hours for Graduation:</b>		<b>49</b>

**Minimum Credit Hours for Graduation: 64**

## Accounting AC12

The Accounting Diploma program is a sequence of courses that prepares students for a variety of entry-level positions in accounting in today's technology-driven workplaces. Learning opportunities develop academic, technical, and professional knowledge and skills required for job acquisition, retention, and advancement. Program graduates receive an Accounting Diploma.

**Type:** Diploma

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English	Reading	Math	Algebra
236	224	229	N/A

### General Education Courses

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
	EMPL 1000 or PSYC 1010	2-3
	MATH 1011 or MATH 1012	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>8-9</b>

### Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
BUSN 1440	Document Production	4
ACCT 1100	Financial Accounting I	4
ACCT 1105	Financial Accounting II	4
ACCT 1115	Computerized Accounting	3
ACCT 1120	Spreadsheet Applications	4
ACCT 1125	Individual Tax Accounting	3
ACCT 1130	Payroll Accounting	3
	Specific Occupational-Guided Electives (3 credits)	3
	Accounting Electives (3 credits)	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>34</b>
	<b>Minimum Credit Hours for Graduation:</b>	<b>42</b>

## Office Accounting Specialist OA31

The Office Accounting Specialist technical certificate provides entry-level office accounting skills. Topics include principles of accounting, computerized accounting and basic computer skills.

**Type:** Technical Certificate of Credit



## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
ACCT 1100	Financial Accounting I	4
ACCT 1105	Financial Accounting II	4
ACCT 1115	Computerized Accounting	3
<b>Minimum Credit Hours for Graduation:</b>		<b>14</b>
<b>Minimum Credit Hours for Graduation:</b>		<b>14</b>

## Air Conditioning

### Air Conditioning Technology ACT2

The Air Conditioning Technology Diploma program is a sequence of courses that prepares students for careers in the air conditioning industry. Learning opportunities develop academic, occupational, and professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes a combination of air conditioning theory and practical application necessary for successful employment. Program graduates receive an Air Conditioning Technology diploma and have the qualification of an air conditioning technician.

## Program Accreditation

HVAC Excellence

P.O. Box 491 Mount Prospect IL 60056

<http://www.hvacexcellence.org/>

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

## General Education Courses

Item #	Title	Credits
MATH 1012	Foundations of Mathematics	3
ENGL 1010	Fundamentals of English I	3
EMPL 1000	Interpersonal Relations & Professional Development	2
<b>Minimum Credit Hours for Graduation:</b>		<b>8</b>

## Occupational Courses

Item #	Title	Credits
AIRC 1005	Refrigeration Fundamentals	4
AIRC 1010	Refrigeration Principles & Practices	4
AIRC 1020	Refrigeration Systems Components	4
AIRC 1030	HVACR Electrical Fundamentals	4
AIRC 1040	HVACR Electrical Motors	4
AIRC 1050	HVACR Electrical Components & Control	4
AIRC 1060	Air Conditioning Systems Application & Installation	4
AIRC 1070	Gas Heat	4
AIRC 1080	Heat Pumps and Related Systems	4
AIRC 1090	Troubleshooting Air Conditioning Systems	4
	Specific Occupational-Guided Electives (3 credits)	3
<b>Minimum Credit Hours for Graduation:</b>		<b>43</b>

**Minimum Credit Hours for Graduation: 51**

## Air Conditioning Electrical Technician ACK1

The Air Conditioning Electrical Technician program prepares students in the air conditioning area of study to acquire competencies in electricity related to installation, service, and maintenance of electrical systems.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

## Required Courses

Item #	Title	Credits
AIRC 1030	HVACR Electrical Fundamentals	4
AIRC 1040	HVACR Electrical Motors	4
AIRC 1050	HVACR Electrical Components & Control	4
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

**Minimum Credit Hours for Graduation: 12**

## Air Conditioning Repair Specialist ACY1

The Air Conditioning Repair Specialist TCC is a series of courses designed to prepare students for positions in the maintenance and repair of air conditioning systems. A combination of theory and practical application provide for the necessary skills to support industry requirements.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
AIRC 1005	Refrigeration Fundamentals	4
AIRC 1030	HVACR Electrical Fundamentals	4
AIRC 1040	HVACR Electrical Motors	4
AIRC 1070	Gas Heat	4
AIRC 1080	Heat Pumps and Related Systems	4
<b>Minimum Credit Hours for Graduation:</b>		<b>20</b>

**Minimum Credit Hours for Graduation: 20**

## Air Conditioning Technician Assistant AZ31

The Air Conditioning Repair Specialist TCC is a series of courses designed to prepare students for positions in the maintenance and repair of air conditioning systems. A combination of theory and practical application provide for the necessary skills to support industry requirements.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
AIRC 1005	Refrigeration Fundamentals	4
AIRC 1010	Refrigeration Principles & Practices	4
AIRC 1020	Refrigeration Systems Components	4
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

**Minimum Credit Hours for Graduation: 12**

## Residential Air Conditioning Technician RA21

The Residential Air Conditioning Technician TCC is a series of courses designed to prepare students for entry-level positions in the maintenance and repair of residential air conditioning systems.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
AIRC 1005	Refrigeration Fundamentals	4
AIRC 1020	Refrigeration Systems Components	4
AIRC 1060	Air Conditioning Systems Application & Installation	4
AIRC 1090	Troubleshooting Air Conditioning Systems	4
<b>Minimum Credit Hours for Graduation:</b>		<b>16</b>

## Aircraft Structural Technology

### Aircraft Assembly Technician

The Aircraft Assembly Technician certificate program will provide technical training to existing industry and individuals interested in obtaining aircraft structural assembly skills. This program will provide a minimum of training for job market entry and/or upgrading for existing industry personnel and could lead to continued training for a diploma. This program results from industry requesting new personnel with the skills addressed in the aircraft structural courses included in this program.

**Type:** Technical Certificate of Credit

### Admission Requirements

**Minimum Required Age**

N/A

**High School Diploma or GED Required**

Yes

**Placement Scores for Regular Admission (Next Gen Accuplacer)**

English Reading Math Algebra

### Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ASTT 1010	Basic Blueprint Reading	4
ASTT 1020	Aircraft Blueprint Reading	3
ASTT 1030	Structural Fundamentals	6
ASTT 1070	Aerodynamics	2
<b>Minimum Credit Hours for Graduation:</b>		<b>15</b>

**Minimum Credit Hours for Graduation: 15**

## Auto Collision

### Auto Collision Repair ACR2

The Aircraft Assembly Technician certificate program will provide technical training to existing industry and individuals interested in obtaining aircraft structural assembly skills. This program will provide a minimum of training for job market entry and/or upgrading for existing industry personnel and could lead to continued training for a diploma. This program results from industry requesting new personnel with the skills addressed in the aircraft structural courses included in this program.

**\*Students must choose one of the three specializations listed below.**

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## General Education Courses

Item #	Title	Credits
MATH 1012	Foundations of Mathematics	3
EMPL 1000	Interpersonal Relations & Professional Development	2
ENGL 1010	Fundamentals of English I	3
<b>Minimum Credit Hours for Graduation:</b>		<b>8</b>

## Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
ACRP 1000	Introduction to Auto Collision Repair	4
ACRP 1005	Auto Components Repair & Replacement	4
ACRP 1010	Foundations of Collision Repair	5
ACRP 1015	Fundamentals of Automotive Welding	3
<b>Minimum Credit Hours for Graduation:</b>		<b>19</b>

## Specialization: Mechanical Electrical Helper 8MH2

Item #	Title	Credits
ACRP 1017	Mechanical & Electrical Systems I	4
ACRP 1019	Mechanical & Electrical Systems II	5
<b>Minimum Credit Hours for Graduation:</b>		<b>9</b>

## Specialization: Refinishing 8RS2

Item #	Title	Credits
ACRP 2001	Introduction to Auto Painting & Refinishing	5
ACRP 2002	Paint & Refinishing Techniques	5
<b>Minimum Credit Hours for Graduation:</b>		<b>10</b>

## Specialization: Major Collision Repair 8MC2

Item #	Title	Credits
ACRP 2010	Major Collision Repair	5
ACRP 2015	Major Collision Replacements	5
<b>Minimum Credit Hours for Graduation:</b>		<b>10</b>

**Minimum Credit Hours for Graduation: 36**

## Automotive Collision Repair Assistant I AB51

The Automotive Collision Repair Assistant I certificate program prepares students for employment as assistants to lead and master technicians in an automotive collision repair shop. Topics covered include work safety, hand and power tools, basic component replacement and automotive welding techniques.

For more information regarding this program including job placement rate, on-time graduation rate, costs, occupational information, etc., Please Click Here.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Required Courses

Item #	Title	Credits
ACRP 1000	Introduction to Auto Collision Repair	4
ACRP 1005	Auto Components Repair & Replacement	4
ACRP 1015	Fundamentals of Automotive Welding	3
<b>Minimum Credit Hours for Graduation:</b>		<b>11</b>

**Minimum Credit Hours for Graduation: 11**

## Automotive Collision Repair Assistant II AZ51

The Automotive Collision Repair Assistant II certificate program is an advanced certificate option a student can complete after finishing the Automotive Collision Repair Assistant I program. Topics covered include collision repair tools and equipment, hydraulic systems, damage analysis and estimations, frame straightening, and conventional/unibody structural panel repairs and replacement.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

## Required Courses

Item #	Title	Credits
ACRP 1010	Foundations of Collision Repair	5
ACRP 2010	Major Collision Repair	5
ACRP 2015	Major Collision Replacements	5
<b>Minimum Credit Hours for Graduation:</b>		<b>15</b>

**Minimum Credit Hours for Graduation: 15**

## Automotive Refinishing Assistant II AP71

The Refinishing Assistant II program is an advanced certificate option for students who complete the Automotive Refinishing Assistant I program. This program is designed to produce graduates who are entry level paint and refinishing specialists. Topics will include surface preparation, paint identification, spray gun equipment, spray gun techniques, blending, and tinting and matching of colors.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
ACRP 2001	Introduction to Auto Painting & Refinishing	5
ACRP 2002	Paint & Refinishing Techniques	5
<b>Minimum Credit Hours for Graduation:</b>		<b>10</b>

**Minimum Credit Hours for Graduation: 10**

## Automotive

### Automotive Fundamentals AF12

The Automotive Fundamentals Diploma program is a sequence of courses designed to prepare students for careers in the automotive service and repair profession. Learning opportunities enable students to develop academic, technical and professional knowledge and skills required for job acquisition, retention, and



advancement. The program emphasizes a combination of automotive mechanics theory and practical application necessary for successful employment. Program graduates receive an Auto Fundamentals diploma that qualifies them as entry-level technicians.

## Program Accreditation

ASE Education Foundation (ASE)  
 1503 Edwards Ferry Rd., NE, Suite 401, Leesburg, VA 20176  
<http://www.aseeducation.org>

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## General Education Courses

Item #	Title	Credits
MATH 1012	Foundations of Mathematics	3
EMPL 1000	Interpersonal Relations & Professional Development	2
ENGL 1010	Fundamentals of English I	3
<b>Minimum Credit Hours for Graduation:</b>		<b>8</b>

## Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
AUTT 1010	Introduction to Automotive Technology	2
AUTT 1020	Automotive Electrical Systems	7
AUTT 1030	Automotive Brake Systems	4
AUTT 1040	Automotive Engine Performance	7
AUTT 1050	Auto Suspension/Steering Systems	4
AUTT 1060	Auto Climate Control Systems	5
<b>Minimum Credit Hours for Graduation:</b>		<b>32</b>

**Minimum Credit Hours for Graduation: 40**

## Automotive Technology AT14

The Automotive Technology Diploma program is a sequence of courses designed to prepare students for careers in the automotive service and repair profession. Learning opportunities enable students to develop academic, technical and professional knowledge and skills required for job acquisition, retention, and

advancement. The program emphasizes a combination of automotive mechanics theory and practical application necessary for successful employment. Program graduates receive an Auto Technology diploma that qualifies them as well rounded entry-level technicians.

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## General Education Courses

Item #	Title	Credits
MATH 1012	Foundations of Mathematics	3
EMPL 1000	Interpersonal Relations & Professional Development	2
ENGL 1010	Fundamentals of English I	3
<b>Minimum Credit Hours for Graduation:</b>		<b>8</b>

## Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
AUTT 1010	Introduction to Automotive Technology	2
AUTT 1020	Automotive Electrical Systems	7
AUTT 1030	Automotive Brake Systems	4
AUTT 1040	Automotive Engine Performance	7
AUTT 1050	Auto Suspension/Steering Systems	4
AUTT 1060	Auto Climate Control Systems	5
AUTT 2010	Automotive Engine Repair	6
AUTT 2020	Manual Drive Train & Axles	4
AUTT 2030	Automatic Transmissions & Transaxles	5
<b>Minimum Credit Hours for Graduation:</b>		<b>47</b>

**Minimum Credit Hours for Graduation: 55**

## Auto Electrical/Electronic Systems Technician AE41

The Automotive Climate Control Technician certificate program provides students with skills for entering the automotive service industry as an entry level climate control technician. Topics covered include: basic shop safety, electrical/electronic theory and diagnosis, and the theory, operation, diagnosis and servicing of automotive climate control systems.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
AUTT 1010	Introduction to Automotive Technology	2
AUTT 1020	Automotive Electrical Systems	7
<b>Minimum Credit Hours for Graduation:</b>		<b>9</b>
<b>Minimum Credit Hours for Graduation:</b>		<b>9</b>

## Automotive Chassis Technician Specialist ASG1

The Automotive Climate Control Technician certificate program provides students with skills for entering the automotive service industry as an entry level climate control technician. Topics covered include: basic shop safety, electrical/electronic theory and diagnosis, and the theory, operation, diagnosis and servicing of automotive climate control systems.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
AUTT 1010	Introduction to Automotive Technology	2
AUTT 1020	Automotive Electrical Systems	7
AUTT 1030	Automotive Brake Systems	4
AUTT 1050	Auto Suspension/Steering Systems	4
<b>Minimum Credit Hours for Graduation:</b>		<b>17</b>

**Minimum Credit Hours for Graduation: 17**

### Automotive Climate Control Technician AH21

The Automotive Climate Control Technician certificate program provides students with skills for entering the automotive service industry as an entry level climate control technician. Topics covered include: basic shop safety, electrical/electronic theory and diagnosis, and the theory, operation, diagnosis and servicing of automotive climate control systems.

**Type:** Technical Certificate of Credit

#### Admission Requirements

**Minimum Required Age**

N/A

**High School Diploma or GED Required**

Yes

**Placement Scores for Regular Admission (Next Gen Accuplacer)**

English Reading Math Algebra

#### Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
AUTT 1010	Introduction to Automotive Technology	2
AUTT 1020	Automotive Electrical Systems	7
AUTT 1060	Auto Climate Control Systems	5
<b>Minimum Credit Hours for Graduation:</b>		<b>14</b>

**Minimum Credit Hours for Graduation: 14**

### Automotive Engine Performance Technician AE51

The Automotive Engine Performance Technician certificate program introduces the student to the knowledge and skills they will need as entry-level automotive engine performance technicians. Topics include: shop safety, electrical/electronic diagnosis, and diagnosis and service of fuel, ignition, emission and electronic engine controls.

**Type:** Technical Certificate of Credit

#### Admission Requirements

**Minimum Required Age**

N/A

**High School Diploma or GED Required**

Yes

## Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Required Courses

Item #	Title	Credits
AUTT 1010	Introduction to Automotive Technology	2
AUTT 1020	Automotive Electrical Systems	7
AUTT 1040	Automotive Engine Performance	7
<b>Minimum Credit Hours for Graduation:</b>		<b>16</b>

**Minimum Credit Hours for Graduation: 16**

## Automotive Engine Repair Technician AE61

The Automotive Engine Repair Technician certificate program provides the student with entry-level automotive engine repair skills. Topics include: basic shop safety, basic electrical/electronic diagnosis, principles of engine operation, basic engine diagnosis, and basic engine repair procedures.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

## Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Required Courses

Item #	Title	Credits
AUTT 1010	Introduction to Automotive Technology	2
AUTT 1020	Automotive Electrical Systems	7
AUTT 2010	Automotive Engine Repair	6
<b>Minimum Credit Hours for Graduation:</b>		<b>15</b>

**Minimum Credit Hours for Graduation: 15**

## Automotive Maintenance and Light Repair Technician ALR1

The Automotive Maintenance and Light Repair TCC prepares students for entry level maintenance and repair positions in auto service shops. Students will learn the basic repair and maintenance operations in all eight ASE areas of passenger vehicles and light trucks. Graduates of this TCC will be able to pursue master level auto knowledge in the auto technology diploma or degree programs.

\* Dual Enrollment Only

## Program Accreditation

ASE Education Foundation (ASE)  
1503 Edwards Ferry Rd., NE, Suite 401, Leesburg, VA 20176  
<http://www.aseeducation.org>

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Occupational Courses

Item #	Title	Credits
AUTT 1010	Introduction to Automotive Technology	2
AUTT 1011	Basic Auto Maintenance and Light Repair	6
AUTT 1012	Auto Maintenance and Light Repair II	6
AUTT 1013	Auto Maintenance and Light Repair III	6
<b>Minimum Credit Hours for Graduation:</b>		<b>20</b>

**Minimum Credit Hours for Graduation: 20**

## Automotive Transmission/Transaxle Tech Specialist AA71

The Automotive Transmission/Transaxle Tech Specialist certificate program provides students with the skills to enter the automotive industry as an entry-level transmission, transaxle, and driveline technician. Topics covered include: shop safety, basic electrical/electronic theory and diagnosis, manual transmission/transaxle operation and diagnosis, automatic transmission/transaxle operation and diagnosis, axles operation and diagnosis, differentials operation and diagnosis, and 4WD/AWD systems operation and diagnosis.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

## Required Courses

Item #	Title	Credits
AUTT 1010	Introduction to Automotive Technology	2
AUTT 1020	Automotive Electrical Systems	7
AUTT 2020	Manual Drive Train & Axles	4
AUTT 2030	Automatic Transmissions & Transaxles	5
<b>Minimum Credit Hours for Graduation:</b>		<b>18</b>

**Minimum Credit Hours for Graduation: 18**

## Basic Commercial Fisherman

### Basic Commercial Fisherman BCF1

The Basic Commercial Fisherman Certificate is for those wanting to begin a career in commercial fishing, covering essential subjects that will better prepare participants to serve as a crew member aboard a commercial fishing vessel in the region Commercial fishermen in Georgia using a variety of gear including trawls, cast nets, hook and line and traps to catch fish, shrimp, crab and other marine life that will be consumed by humans or used as animal feed or bait. Commercial fishing has a long rich history along Georgia's coast and despite many challenges the industry has faced in recent decades, it remains an economically and culturally important component of several coastal communities.

#### \* Dual Enrollment Only

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
FISH 1001	Basic Health & Safety in Commercial Fishing	3
FISH 1002	Seamanship and Watchkeeping	3
FISH 1003	Basic Commercial Fishing Practices	3
FISH 1004	Introduction to Fisheries Science and Management	3
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

**Minimum Credit Hours for Graduation: 12**

# Business Healthcare Technology

## Business Healthcare Technology BHT3

The Business Healthcare Technology program is designed to prepare graduates for employment in a variety of positions in today's technology-driven workplaces. The Business Healthcare Technology program provides learning opportunities, which introduce, develop, and reinforce academic and occupational knowledge, skills, and attitudes required for job acquisition, retention, and advancement. The program emphasizes the use of software and technology. Students are also introduced to accounting fundamentals, electronic communications, internet research, electronic file management, and healthcare regulation and compliance. The program includes instruction in effective communication skills and terminology that encompasses office management and executive assistant qualification and technology innovations for the office. Additionally, the program provides opportunities to upgrade present knowledge and skills or to retrain in the area of administrative technology. Graduates of the program receive a Business Healthcare Technology Associate of Applied Science degree.

**\* Students must choose either a Compliance and Reimbursement Specialization or a Business Healthcare Specialization**

**Type:** Associate of Applied Science, AAS

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Area I - Language Arts/Communications

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area II - Social/Behavioral Sciences

Item #	Title	Credits
	Area II - Social/Behavioral Sciences	
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area III - Natural Sciences/Mathematics

\* Choose one of the following:

Item #	Title	Credits
MATH 1100	Quantitative Skills & Reasoning	3
MATH 1101	Mathematical Modeling	3
MATH 1103	Quantitative Skills & Reasoning	3
MATH 1111	College Algebra	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>



## Area IV - Humanities/Fine Arts

Item #	Title	Credits
	Area IV - Humanities/Fine Arts	
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## General Education Core Elective

\* Choose one additional course from the complete Area I, II, III, or IV listings:

### General Education Courses

**Minimum Credit Hours for Graduation: 3**

## Occupational Courses

Item #	Title	Credits
BUSN 1015	Introduction to Healthcare Reimbursement	3
BUSN 1440	Document Production	4
BUSN 2190	Business Document Proofreading & Editing	3
BUSN 2340	Healthcare Administrative Procedures	4
BUSN 2350	Electronic Health Records	3
BUSN 2375	Healthcare Coding	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>20</b>

## Accounting Course

\* Choose one of the following:

Item #	Title	Credits
ACCT 1100	Financial Accounting I	4
BUSN 2200	Office Accounting	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>4</b>

## Technology Course

\* Choose one of the following:

Item #	Title	Credits
BUSN 1000	Computers in Healthcare	3
COMP 1000	Introduction to Computer Literacy	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Business Medical Cluster Option

\* Complete BUSN 1010 or the comparable elective group below:

Item #	Title	Credits
BUSN 1010	Medical Terminology, Anatomy, and Diseases for Business	6
	Medical Terminology and Anatomy Options	8-10
	<b>Minimum Credit Hours for Graduation:</b>	<b>6-10</b>

## Compliance and Reimbursement Specialization 8C83

Item #	Title	Credits
BUSN 2400	Healthcare Procedural Coding	3
BUSN 2410	ICD Coding	3
BUSN 2420	Advanced Medical Coding	3
BUSN 2810	Healthcare Compliance	3
BUSN 2850	Health Record Auditing	3
<b>Minimum Credit Hours for Graduation:</b>		<b>15</b>

## Business Healthcare Specialization 8BH3

**Minimum Credit Hours for Graduation: 15-16**

**Minimum Credit Hours for Graduation: 63**

## Business Healthcare Technology BHT2

The Business Healthcare Technology program is designed to prepare graduates for employment in a variety of positions in today's technology-driven workplaces. The Business Healthcare Technology program provides learning opportunities, which introduce, develop, and reinforce academic and occupational knowledge, skills, and attitudes required for job acquisition, retention, and advancement. The program emphasizes the use of software and technology. Students are also introduced to accounting fundamentals, electronic communications, internet research, electronic file management, and healthcare regulation and compliance. The program includes instruction in effective communication skills and terminology that encompasses office management and executive assistant qualification and technology innovations for the office. Additionally, the program provides opportunities to upgrade present knowledge and skills or to retrain in the area of administrative technology. Graduates of the program receive a Business Healthcare Technology Diploma.

**Type:** Diploma

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## General Education Courses

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
	EMPL 1000 or PSYC 1010	2-3
	MATH 1011 or MATH 1012	3
<b>Minimum Credit Hours for Graduation:</b>		<b>8-9</b>

## Occupational Courses

Item #	Title	Credits
BUSN 1015	Introduction to Healthcare Reimbursement	3
BUSN 1440	Document Production	4
BUSN 2190	Business Document Proofreading & Editing	3
BUSN 2340	Healthcare Administrative Procedures	4
BUSN 2350	Electronic Health Records	3
BUSN 2375	Healthcare Coding	3
	Occupational-Guided Electives (7 hrs)	7
	<b>Minimum Credit Hours for Graduation:</b>	<b>27</b>

## Accounting Course

\* Choose one of the following:

Item #	Title	Credits
BUSN 2200	Office Accounting	4
ACCT 1100	Financial Accounting I	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>4</b>

## Technology Course

\* Choose one of the following:

Item #	Title	Credits
BUSN 1000	Computers in Healthcare	3
COMP 1000	Introduction to Computer Literacy	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Business Medical Cluster Option

\* **Complete BUSN 1010 or the comparable elective group below:**

Item #	Title	Credits
BUSN 1010	Medical Terminology, Anatomy, and Diseases for Business	6
	Medical Terminology and Anatomy Options	8-10
	<b>Minimum Credit Hours for Graduation:</b>	<b>6-10</b>

**Minimum Credit Hours for Graduation: 48**

## Healthcare Billing and Coding Specialist HBC1

Healthcare Billing and Coding Specialist program provides a basic short-term academic credential with the potential for future program credit. The curriculum provides advanced training in coding skills for persons wanting to progress in their occupations or who want to prepare for full-time or part-time employment in the medical field. The Healthcare Billing and Coding Specialist program provides basic training in anatomy, medical terminology, human pathology, insurance reimbursement, and diagnostic and procedural coding skills.

**Type:** Technical Certificate of Credit

## Admission Requirements

**Minimum Required Age**

N/A

## High School Diploma or GED Required

No

## Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
BUSN 1015	Introduction to Healthcare Reimbursement	3
BUSN 1440	Document Production	4
BUSN 2350	Electronic Health Records	3
BUSN 2400	Healthcare Procedural Coding	3
BUSN 2410	ICD Coding	3
BUSN 2420	Advanced Medical Coding	3
<b>Minimum Credit Hours for Graduation:</b>		<b>22</b>

## Technology Course

\* Choose one of the following:

Item #	Title	Credits
BUSN 1000	Computers in Healthcare	3
COMP 1000	Introduction to Computer Literacy	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Business Medical Cluster Option

\* Complete BUSN 1010 or the comparable elective group below:

Item #	Title	Credits
BUSN 1010	Medical Terminology, Anatomy, and Diseases for Business	6
	Medical Terminology and Anatomy Options	8-10
<b>Minimum Credit Hours for Graduation:</b>		<b>6-10</b>

**Minimum Credit Hours for Graduation: 31**

## Healthcare Billing and Reimbursement Assistant HBA1

The program provides instruction in medical facility reimbursement and compliance regulations.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

## High School Diploma or GED Required

Yes

## Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Required Courses

Item #	Title	Credits
BUSN 1015	Introduction to Healthcare Reimbursement	3
BUSN 2350	Electronic Health Records	3
BUSN 2375	Healthcare Coding	3
<b>Minimum Credit Hours for Graduation:</b>		<b>9</b>

### Technology Course

\* Choose one of the following:

Item #	Title	Credits
BUSN 1000	Computers in Healthcare	3
COMP 1000	Introduction to Computer Literacy	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Business Medical Cluster Option

\* Complete BUSN 1010 or the comparable elective group below:

Item #	Title	Credits
BUSN 1010	Medical Terminology, Anatomy, and Diseases for Business	6
	Medical Terminology and Anatomy Options	8-10
<b>Minimum Credit Hours for Graduation:</b>		<b>6-10</b>

**Minimum Credit Hours for Graduation: 18**

### Healthcare Office Assistant HFA1

The Healthcare Office Assistant certificate is designed to provide educational opportunities to individuals that will enable them to obtain the knowledge and skills necessary to secure an entry level position as a receptionist in a physician's office, hospital, clinic, or other related area. Technical courses apply to the degree or diploma program in Business Healthcare Technology.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

No

## Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
BUSN 1440	Document Production	4
BUSN 1015	Introduction to Healthcare Reimbursement	3
BUSN 2340	Healthcare Administrative Procedures	4
BUSN 2350	Electronic Health Records	3
<b>Minimum Credit Hours for Graduation:</b>		<b>17</b>

## Technology Course

\* Choose one of the following:

Item #	Title	Credits
BUSN 1000	Computers in Healthcare	3
COMP 1000	Introduction to Computer Literacy	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Business Medical Cluster Option

\* **Complete BUSN 1010 or the comparable elective group below:**

Item #	Title	Credits
BUSN 1010	Medical Terminology, Anatomy, and Diseases for Business	6
	Medical Terminology and Anatomy Options	8-10
<b>Minimum Credit Hours for Graduation:</b>		<b>6-10</b>

**Minimum Credit Hours for Graduation: 26-30**

## Healthcare Reimbursement and Compliance Specialist HRA1

The Healthcare Reimbursement and Compliance Specialist program provides instruction in medical facility reimbursement and compliance regulations.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

No

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
BUSN 2400	Healthcare Procedural Coding	3
BUSN 2410	ICD Coding	3
BUSN 2420	Advanced Medical Coding	3
BUSN 2810	Healthcare Compliance	3
BUSN 2850	Health Record Auditing	3
<b>Minimum Credit Hours for Graduation:</b>		<b>15</b>

**Minimum Credit Hours for Graduation: 15**

## Business Technology

### Business Technology BA23

The Business Technology program is designed to prepare graduates for employment in a variety of positions in today's technology-driven workplaces. The Business Technology program provides learning opportunities, which introduce, develop, and reinforce academic and occupational knowledge, skills, and attitudes required for job acquisition, retention, and advancement. The program emphasizes the use of word processing, spreadsheet, presentation and database applications software. Students are also introduced to accounting fundamentals, electronic communications, internet research, and electronic file management. The program includes instruction in effective communication skills and terminology that encompasses office management and executive assistant qualification and technology innovations for the office. Additionally, the program provides opportunities to upgrade present knowledge and skills or to retrain in the area of administrative technology. Graduates of the program receive a Business Technology, Associate of Applied Science degree.

**Type:** Associate of Applied Science, AAS

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Area I - Language Arts/Communications

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Area II - Social/Behavioral Sciences

Item #	Title	Credits
	Area II - Social/Behavioral Sciences	
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Area III - Natural Sciences/Mathematics

\* Choose one of the following:

Item #	Title	Credits
MATH 1100	Quantitative Skills & Reasoning	3
MATH 1101	Mathematical Modeling	3
MATH 1111	College Algebra	3
MATH 1103	Quantitative Skills & Reasoning	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Area IV - Humanities/Fine Arts

Item #	Title	Credits
	Area IV - Humanities/Fine Arts	
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Specific General Education Core Elective

\* Choose one additional course from the complete Area I, II, III, or IV listings:

#### General Education Courses

**Minimum Credit Hours for Graduation: 3**

### Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
BUSN 1400	Word Processing Applications	4
BUSN 1410	Spreadsheet Concepts & Applications	4
BUSN 1420	Database Applications	4
BUSN 1430	Desktop Publishing & Presentation Applications	4
BUSN 1440	Document Production	4
BUSN 1190	Digital Technologies in Business	2
BUSN 1240	Office Procedures	3
BUSN 2160	Electronic Mail Applications	2
BUSN 2190	Business Document Proofreading & Editing	3
BUSN 2210	Applied Office Procedures	3
MGMT 1100	Principles of Management	3
	Specific Occupational-Guided Electives (6 credits)	6
<b>Minimum Credit Hours for Graduation:</b>		<b>45</b>

### Accounting Course

\* Choose one of the following:

Item #	Title	Credits
BUSN 2200	Office Accounting	4
ACCT 1100	Financial Accounting I	4
<b>Minimum Credit Hours for Graduation:</b>		<b>4</b>

**Minimum Credit Hours for Graduation: 64**



## Business Technology BA22

The Business Technology program is designed to prepare graduates for employment in a variety of positions in today's technology-driven workplaces. The Business Technology program provides learning opportunities, which introduce, develop, and reinforce academic and occupational knowledge, skills, and attitudes required for job acquisition, retention, and advancement. The program emphasizes the use of word processing, spreadsheet, and presentation software. Students are also introduced to accounting fundamentals, electronic communications, Internet research, and electronic file management. The program includes instruction in effective communication skills and technology that encompasses office management and executive assistant qualification and technology innovations for the office. Also provided are opportunities to upgrade present knowledge and skills or to retrain in the area of business administrative technology. Graduates of the program receive a Business Technology Diploma with a specialization in Business Administrative Assistant or Medical Administrative Assistant.

**Type:** Diploma

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Basic Skills Courses

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
	EMPL 1000 or PSYC 1010	2-3
	MATH 1011 or MATH 1012	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>8-9</b>

### Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
BUSN 1400	Word Processing Applications	4
BUSN 1440	Document Production	4
BUSN 2190	Business Document Proofreading & Editing	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>14</b>

### Accounting Course

\* Choose one of the following:

Item #	Title	Credits
BUSN 2200	Office Accounting	4
ACCT 1100	Financial Accounting I	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>4</b>

## 8BA2 Business Administrative Assistant Specialization

Item #	Title	Credits
BUSN 1190	Digital Technologies in Business	2
BUSN 1240	Office Procedures	3
BUSN 1410	Spreadsheet Concepts & Applications	4
BUSN 1430	Desktop Publishing & Presentation Applications	4
BUSN 2160	Electronic Mail Applications	2
BUSN 2210	Applied Office Procedures	3
	Specific Occupational-Guided Electives (6 credits)	6
	<b>Minimum Credit Hours for Graduation:</b>	<b>24</b>

**Minimum Credit Hours for Graduation: 50**

## Administrative Support Assistant AS21

This certificate program provides students with the knowledge and skills to perform word processing applications in an office environment. It is designed to provide hands-on instruction for developing foundation skills for office assistant careers.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Required Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
BUSN 1240	Office Procedures	3
BUSN 1400	Word Processing Applications	4
BUSN 1440	Document Production	4
	Specific Occupational-Guided Electives (6 credits)	6
	<b>Minimum Credit Hours for Graduation:</b>	<b>20</b>

**Minimum Credit Hours for Graduation: 20**

## Business and Customer Service Technology BA21

The Business and Customer Service program is designed to introduce the student to the dynamics of providing exceptional customer service in a variety of customer service settings. The training includes an overview of the service industry, why service is important and the demand for skilled customer service representatives. Training

also includes developing skills that help the learner: project the right image and develop interpersonal skills, build rapport, problem solve, address diversity, and work collaboratively. Learners also train on the Microsoft Window Environment and learn to produce documents in Microsoft Office applications.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

No

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
BCST 1000	Interpersonal Development	2
BCST 1010	Survey of Technology	3
BCST 1020	Office Management	2
BCST 1030	Advanced Office Management	2
<b>Minimum Credit Hours for Graduation:</b>		<b>9</b>

**Minimum Credit Hours for Graduation: 9**

## Microsoft Office Application Professional MF41

The Microsoft Office Applications Professional certificate program provides students with the knowledge and skills to perform word processing, spreadsheet, database, and presentation applications in an office environment. It is designed to provide hands-on instruction for developing foundation skills for office assistant careers, as well as, prepare students for Microsoft Certified Application Specialist (MCAS) certification. Graduates of the program receive a Microsoft Office Applications Professional Technical Certificate of Credit.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

No

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
COMP 1000	Introduction to Computer Literacy	3
BUSN 1400	Word Processing Applications	4
BUSN 1410	Spreadsheet Concepts & Applications	4
BUSN 1420	Database Applications	4
BUSN 1430	Desktop Publishing & Presentation Applications	4
	Specific Occupational-Guided Electives (3 credits)	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>22</b>

**Minimum Credit Hours for Graduation: 22**

## Microsoft Word Application Professional MWA1

This certificate program provides students with the knowledge and skills to perform word processing applications in an office environment. It is designed to provide hands-on instruction for developing foundation skills for office assistant careers.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

No

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
COMP 1000	Introduction to Computer Literacy	3
BUSN 1400	Word Processing Applications	4
BUSN 1440	Document Production	4
	Specific Occupational-Guided Electives (3 credits)	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>14</b>

**Minimum Credit Hours for Graduation: 14**

## Commercial Truck Driving

### Commercial Truck Driving CT61

The Business and Customer Service program is designed to introduce the student to the dynamics of providing exceptional customer service in a variety of customer service settings. The training includes an overview of the service industry, why service is important and the demand for skilled customer service representatives. Training

also includes developing skills that help the learner: project the right image and develop interpersonal skills, build rapport, problem solve, address diversity, and work collaboratively. Learners also train on the Microsoft Window Environment and learn to produce documents in Microsoft Office applications.

## Licensure Information

Graduates of the Commercial Truck Driving program are eligible for licensure testing by the Georgia Department of Driver Services.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
CTDL 1010	Fundamentals of Commercial Driving	3
CTDL 1020	Combination Vehicle Basic Operation & Range Work	2
	CTDL 1030 or CTDL 1040	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>9</b>
	<b>Minimum Credit Hours for Graduation:</b>	<b>9</b>

## Computer Information Systems

### Networking Specialist NS13

The Computer Information Systems Networking Specialist program is a sequence of courses designed to provide students with an understanding of the concepts, principles, and techniques required in computer information processing. Graduates are to be competent in the general areas of humanities or fine arts, social or behavioral sciences, and natural sciences or mathematics, as well as in the technical areas of computer terminology and concepts, program design and development, and computer networking. Program graduates are qualified for employment as networking specialists.

## Program Approval

The CIS program is a Certified CISCO Network Academy.  
The CIS program is a member of the Microsoft IT Academy.

**\* Students: Choose between either a Microsoft Specialization 8M13 or a Cisco Specialization 8C23**

**Type:** Associate of Applied Science, AAS

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Area I - Language Arts/Communications

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Area II - Social/Behavioral Sciences

Item #	Title	Credits
	Area II - Social/Behavioral Sciences	
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Area III - Natural Sciences/Mathematics

Item #	Title	Credits
	Area III - Natural Sciences/Mathematics	
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Area IV - Humanities/Fine Arts

Item #	Title	Credits
	Area IV - Humanities/Fine Arts	
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Specific General Education Core Elective

\* Choose one additional course from the complete Area I, II, III, or IV listings:

### General Education Courses

**Minimum Credit Hours for Graduation: 3**

## Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
CIST 1001	Computer Concepts	4
	CIST 1130 or CIST 1135	3-4
CIST 1122	Hardware Installation & Maintenance	4
CIST 1601	Information Security Fundamentals	3
	CIST Electives (14 credits)	14
	<b>Minimum Credit Hours for Graduation:</b>	<b>31-32</b>

## Introductory Networking Class

\* Choose one of the following:

Item #	Title	Credits
CIST 1401	Computer Networking Fundamentals	4
CIST 2451	Introduction to Networks	4
<b>Minimum Credit Hours for Graduation:</b>		<b>4</b>

## Microsoft Specialization 8M13

Item #	Title	Credits
CIST 2411	Microsoft Client	4
CIST 2412	Ms Server Directory Services	4
CIST 2413	Ms Server Infrastructure	4
	CIST 2414 or CIST 2420	4
<b>Minimum Credit Hours for Graduation:</b>		<b>16</b>

## Cisco Exploration Specialization 8C23

Item #	Title	Credits
CIST 2451	Introduction to Networks	4
CIST 2452	CISCO Routing and Switching Essentials	4
CIST 2453	CISCO Scaling Networks	4
CIST 2454	CISCO Connecting Networks	4
<b>Minimum Credit Hours for Graduation:</b>		<b>16</b>

**Minimum Credit Hours for Graduation: 66**

## Computer Support Specialist CS14

The Computer Information Systems Computer Support Specialist program is a sequence of courses designed to provide students with an understanding of the concepts, principles, and techniques required in computer information processing. Graduates are to be competent in the general areas of humanities or fine arts, social or behavioral sciences, and natural sciences or mathematics, as well as in the technical areas of computer terminology and concepts, program design and development, and computer networking. Program graduates are qualified for employment as computer support specialist.

## Program Approval

The CIS program is a Certified CISCO Network Academy.  
The CIS program is a member of the Microsoft IT Academy.

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

## Basic Skills Courses

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
MATH 1012	Foundations of Mathematics	3
EMPL 1000	Interpersonal Relations & Professional Development	2
<b>Minimum Credit Hours for Graduation:</b>		<b>8</b>

## Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
CIST 1001	Computer Concepts	4
	CIST 1130 or CIST 1135	3-4
CIST 1122	Hardware Installation & Maintenance	4
CIST 1601	Information Security Fundamentals	3
CIST 1305	Program Design and Development	3
CIST 2921	It Analysis Design & Project Management	4
	CIST Electives (12 credits)	12
<b>Minimum Credit Hours for Graduation:</b>		<b>36</b>

## Introductory Networking

\* Choose one of the following classes:

Item #	Title	Credits
CIST 1401	Computer Networking Fundamentals	4
CIST 2451	Introduction to Networks	4
<b>Minimum Credit Hours for Graduation:</b>		<b>4</b>

## CIST Database Elective

Item #	Title	Credits
CIST 2129	Comprehensive Database Techniques	4
<b>Minimum Credit Hours for Graduation:</b>		<b>4</b>

## CIST Office Productivity Course

\* Choose one of the following classes:

Item #	Title	Credits
CIST 2120	Using Application Software	4
CIST 2126	Comprehensive Presentation & Email Techniques	3
CIST 2127	Comprehensive Word Processing Techniques	3
CIST 2128	Comprehensive Spreadsheet Techniques	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

**Minimum Credit Hours for Graduation: 55**

## Networking Specialist NS14

The Computer Information Systems Networking Specialist program is a sequence of courses designed to provide students with an understanding of the concepts, principles, and techniques required in computer information processing. Graduates are to be competent in the general areas of humanities or fine arts, social or



behavioral sciences, and natural sciences or mathematics, as well as in the technical areas of computer terminology and concepts, program design and development, and computer networking. Program graduates are qualified for employment as networking specialists.

## Program Approval

The CIS program is a Certified CISCO Network Academy.  
The CIS program is a member of the Microsoft IT Academy.

**\*Choose either the Microsoft or the Cisco Specialization**

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Basic Skills Courses

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
MATH 1012	Foundations of Mathematics	3
EMPL 1000	Interpersonal Relations & Professional Development	2
<b>Minimum Credit Hours for Graduation:</b>		<b>8</b>

## Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
CIST 1001	Computer Concepts	4
	CIST 1130 or CIST 1135	3-4
CIST 1122	Hardware Installation & Maintenance	4
CIST 1601	Information Security Fundamentals	3
	CIST Electives (9 credits)	9
<b>Minimum Credit Hours for Graduation:</b>		<b>26</b>

## Introductory-Level Networking Class

\* Choose one of the following

\* CIST 2451: Only if not used as a Cisco Specialization course

Item #	Title	Credits
CIST 1401	Computer Networking Fundamentals	4
CIST 2451	Introduction to Networks	4
<b>Minimum Credit Hours for Graduation:</b>		<b>4</b>

## Microsoft Specialization 8M42

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
CIST 2411	Microsoft Client	4
CIST 2412	Ms Server Directory Services	4
CIST 2413	Ms Server Infrastructure	4
	CIST 2414 or CIST 2420	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>16</b>

## Cisco Exploration Specialization 8C12

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
CIST 2451	Introduction to Networks	4
CIST 2452	CISCO Routing and Switching Essentials	4
CIST 2453	CISCO Scaling Networks	4
CIST 2454	CISCO Connecting Networks	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>16</b>

**Minimum Credit Hours for Graduation: 54**

## Cisco Network Specialist CN71

The Cisco Network Specialist program teaches how to build, maintain and troubleshoot computer networks. Students also learn how to connect these networks to other networks and the Internet.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
CIST 2451	Introduction to Networks	4
CIST 2452	CISCO Routing and Switching Essentials	4
CIST 2453	CISCO Scaling Networks	4
CIST 2454	CISCO Connecting Networks	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>16</b>

**Minimum Credit Hours for Graduation: 16**

## CompTIA A+ Certified Preparation CA61

The CompTIA A+ Certified Technician Preparation technical certificate of credit program is designed to provide computer users with the basic entry-level skills working toward CompTIA A+ certification.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Required Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
CIST 1122	Hardware Installation & Maintenance	4
	CIST 1130 or CIST 1135	3-4
	<b>Minimum Credit Hours for Graduation:</b>	<b>10</b>
	<b>Minimum Credit Hours for Graduation:</b>	<b>10</b>

## CompTIA A+ Certified Technician Preparation CA71

The CompTIA A+ Certified Technician Preparation technical certificate of credit program is designed to provide computer users with the skills and knowledge necessary to take the CompTIA A+ certification exam. Earning CompTIA A+ certification shows that the individual possesses the knowledge, technical skills and customer relations skills essential for working as a successful entry-level computer service technician.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
CIST 1001	Computer Concepts	4
CIST 1122	Hardware Installation & Maintenance	4
	CIST 1130 or CIST 1135	3-4
	CIST Electives (4 credits)	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>18</b>

**Minimum Credit Hours for Graduation: 18**

## Help Desk Specialist HD41

The Help Desk Specialist program teaches how to maintain and troubleshoot computer hardware and software and be a support person to handle calls from customers.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
CIST 1001	Computer Concepts	4
	CIST 1130 or CIST 1135	3-4
CIST 1122	Hardware Installation & Maintenance	4
CIST 2130	Desktop Support Concepts	3
	CIST Electives (4 credits)	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>21</b>

## Introductory-Level Networking Class

\* Choose one of the following:

Item #	Title	Credits
CIST 1401	Computer Networking Fundamentals	4
CIST 2451	Introduction to Networks	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>4</b>

**Minimum Credit Hours for Graduation: 25**

## Microsoft Network Administrator MS11

The Microsoft Network Administrator Certificate provides training in Microsoft networking. This certificate will prepare the student for an entry-level computer networking position. Skills taught include implementation of Microsoft operating systems, implementation of Microsoft servers, and networking Infrastructure. This certificate prepares the student to sit for the Microsoft Certified IP Professional (MCITP) networking exam. Hands-on labs provide students with real world simulations.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Required Courses

Item #	Title	Credits
CIST 2441	Network Home & Small Business	4
CIST 2412	Ms Server Directory Services	4
CIST 2413	Ms Server Infrastructure	4
	CIST 2414 or CIST 2420	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>16</b>
	<b>Minimum Credit Hours for Graduation:</b>	<b>16</b>

## Microsoft Office Application Specialist MF51

The Microsoft Office Application Specialist certificate program enables the student to upgrade his/her microcomputer application software skills and prepare for certification.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

## Required Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
CIST 2126	Comprehensive Presentation & Email Techniques	3
CIST 2127	Comprehensive Word Processing Techniques	3
CIST 2128	Comprehensive Spreadsheet Techniques	3
CIST 2129	Comprehensive Database Techniques	4
<b>Minimum Credit Hours for Graduation:</b>		<b>16</b>

**Minimum Credit Hours for Graduation: 16**

## Network Technician NT41

The Network Technician technical certificate of credit provides basic training in computer information systems networking. Students are introduced to the basic concepts of network administration. Upon graduation, students will be able to install, configure, and maintain networks using Windows networking software.

**Type:** Technical Certificate of Credit

## Admission Requirements

**Minimum Required Age**

N/A

**High School Diploma or GED Required**

Yes

**Placement Scores for Regular Admission (Next Gen Accuplacer)**

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
CIST 1001	Computer Concepts	4
	CIST 1130 or CIST 1135	3-4
<b>Minimum Credit Hours for Graduation:</b>		<b>10</b>

## Introductory-Level Networking Class

\* Choose one of the following:

Item #	Title	Credits
CIST 1401	Computer Networking Fundamentals	4
CIST 2451	Introduction to Networks	4
<b>Minimum Credit Hours for Graduation:</b>		<b>4</b>

**Minimum Credit Hours for Graduation: 14**

# Construction

## Certified Construction Worker CCW1

The Certified Construction Worker certificate program offers training in the construction industry providing students with the knowledge and skills they need to work effectively on a construction site. Completion of the program qualifies graduates for entry level employment. Topics include safety, tool use and safety, materials and fasteners, and construction print reading.

\* **Select Option 1 or Option 2**

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
COFC 1050	Construction Print Reading Fundamentals	
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

#### Option 1

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
COFC 1080	Construction Trades Core	
	Occupational Related Elective (2 hrs)	2
<b>Minimum Credit Hours for Graduation:</b>		<b>6</b>

#### Option 2

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
COFC 1011	Overview of Building Construction Practices and Materials	
COFC 1020	Professional Tool Use and Safety	
<b>Minimum Credit Hours for Graduation:</b>		<b>6</b>

**Minimum Credit Hours for Graduation: 9**

# Cosmetology

## Cosmetology CO12

The Cosmetology program is a sequence of courses that prepares students for careers in the field of cosmetology. Learning opportunities develop academic and professional knowledge and skills required for job

acquisition, retention, and advancement. The program emphasizes specialized training in safety, sanitation, state laws, rules, and regulations, chemistry, anatomy and physiology, skin, hair, and nail diseases and disorders, hair treatments and manipulations, hair shaping, hair styling, artificial hair, braiding/intertwining hair, chemical reformation and application, skin and nail care, hair coloring, hair lightening, reception, sales, management, math, reading, writing, interpersonal relations development, computer skills, employability skills, and work ethics. The curriculum meets state licensing requirements of the State Board of Cosmetology. Program graduates receive a Cosmetology diploma and are employable as a cosmetology salesperson, cosmetologist, salon manager, or a salon owner.

## Program Approval

The Cosmetology program is approved by the Georgia Board of Cosmetology.

## Licensure Information

Graduates of the Cosmetology program are eligible to sit for a Georgia state licensure.

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Basic Skills Courses

Item #	Title	Credits
MATH 1012	Foundations of Mathematics	3
ENGL 1010	Fundamentals of English I	3
EMPL 1000	Interpersonal Relations & Professional Development	2
<b>Minimum Credit Hours for Graduation:</b>		<b>8</b>



## Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
COSM 1000	Introduction to Cosmetology Theory	4
COSM 1010	Chemical Texture Services	3
COSM 1020	Hair Care and Treatment	3
COSM 1030	Haircutting	3
COSM 1040	Styling	3
COSM 1050	Hair Color	3
COSM 1060	Fundamentals of Skin Care	3
COSM 1070	Nail Care & Advanced Techniques	3
COSM 1080	Physical Hair Services Practicum	3
COSM 1090	Hair Services Practicum I	3
COSM 1100	Hair Services Practicum II	3
COSM 1110	Hair Services Practicum III	3
COSM 1115	Hair Services Practicum IV	2
COSM 1120	Salon Management	3
COSM 1125	Skin & Nail Care Practicum	2
<b>Minimum Credit Hours for Graduation:</b>		<b>47</b>

**Minimum Credit Hours for Graduation: 55**

## Hair Designer HD21

The Hair Designer Technical Certificate of Credit is a sequence of courses that prepares students for careers in the field of hair design. Learning opportunities develop academic and professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes specialized training in safety, sanitation, state laws, rules, and regulations, chemistry, anatomy and physiology, hair and scalp diseases and disorders, hair treatments and manipulations, hair shaping, hair styling, artificial hair, braiding/intertwining hair, chemical reformation and application, hair coloring, hair lightening, reception, sales, management, and work ethics. The curriculum meets state licensing requirements of the State Board of Cosmetology.

**Type:** Technical Certificate of Credit

### Admission Requirements

**Minimum Required Age**

N/A

**High School Diploma or GED Required**

Yes

**Placement Scores for Regular Admission (Next Gen Accuplacer)**

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
COSM 1000	Introduction to Cosmetology Theory	4
COSM 1010	Chemical Texture Services	3
COSM 1020	Hair Care and Treatment	3
COSM 1030	Haircutting	3
COSM 1040	Styling	3
COSM 1050	Hair Color	3
COSM 1080	Physical Hair Services Practicum	3
COSM 1090	Hair Services Practicum I	3
COSM 1100	Hair Services Practicum II	3
COSM 1110	Hair Services Practicum III	3
COSM 1115	Hair Services Practicum IV	2
COSM 1120	Salon Management	3
<b>Minimum Credit Hours for Graduation:</b>		<b>36</b>

**Minimum Credit Hours for Graduation: 36**

## Shampoo Technician ST11

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
COSM 1000	Introduction to Cosmetology Theory	4
COSM 1020	Hair Care and Treatment	3
COSM 1120	Salon Management	3
<b>Minimum Credit Hours for Graduation:</b>		<b>10</b>

## Choose One of the Following:

Item #	Title	Credits
EMPL 1000	Interpersonal Relations & Professional Development	2
	Elective (3 credits +)	3
<b>Minimum Credit Hours for Graduation:</b>		<b>2</b>

**Minimum Credit Hours for Graduation: 12**

# Criminal Justice

## Criminal Justice Technology CJT2

The Criminal Justice Technology diploma program is a sequence of courses that prepares students for Criminal Justice professions. Learning opportunities develop academic, occupational, and professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes a combination of Criminal Justice theory and practical application necessary for successful employment. Program graduates receive a Criminal Justice Technology diploma. Graduates who are current practitioners will benefit through enhancement of career potential. Entry-level persons will be prepared to pursue diverse opportunities in the corrections, security, investigative, and police administration fields. Completion of the Criminal Justice Technology diploma does not ensure certification of officer status in Georgia. Students must seek such certification from the Peace Officer Standards and Training (P.O.S.T.) Council.

**Type:** Diploma

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Basic Skills

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
MATH 1012	Foundations of Mathematics	3
PSYC 1010	Basic Psychology	3
<b>Minimum Credit Hours for Graduation:</b>		<b>9</b>

### Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
CRJU 1010	Introduction to Criminal Justice	3
CRJU 1030	Corrections	3
CRJU 1040	Principles of Law Enforcement	3
CRJU 1400	Ethic & Cultural Perspectives for Criminal Justice	3
CRJU 2050	Criminal Procedure	3
CRJU 1068	Criminal Law for Criminal Justice	3
CRJU 2020	Constitutional Law	3
CRJU 2070	Juvenile Justice	3
	CRJU 2090 or CRJU 2100	3
<b>Minimum Credit Hours for Graduation:</b>		<b>30</b>

## Occupational Electives

Item #	Title	Credits
	CRJU Occupational Electives (9 hrs)	9
	<b>Minimum Credit Hours for Graduation:</b>	<b>9</b>

**Minimum Credit Hours for Graduation: 48**

## Crime Scene Fundamentals CZ31

The Crime Scene Fundamentals Technical Certificate of Credit begins to introduce students to various careers in the rapidly growing field of forensic science. Students will gain various introductory exposure to knowledge and skills that may encourage further academic preparation in careers in forensic technology in areas such as crime scene investigation, death investigation, laboratory technology, evidence technology, forensic computer science, and general forensic science or criminal justice fields.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
CRJU 1010	Introduction to Criminal Justice	3
CRJU 1062	Methods of Criminal Investigation	3
CRJU 1063	Crime Scene Processing	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>12</b>

**Minimum Credit Hours for Graduation: 12**

## Criminal Justice Specialist CJ21

The Criminal Justice Specialist Technical Certificate of Credit is a sequence of courses that prepares students for criminal justice professions. Learning opportunities develop academic, occupational, and professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes a combination of criminal justice theory and practical application necessary for successful employment. Completion of this technical certificate of credit may permit students to pursue entry level opportunities in the criminal justice field. Completion of the Criminal Justice Specialist Technical Certificate of Credit does not ensure certification of officer status in Georgia. Students must seek such certification from the Peace Officer Standards and Training (P.O.S.T.) Council.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
CRJU 1010	Introduction to Criminal Justice	3
CRJU 1030	Corrections	3
CRJU 1040	Principles of Law Enforcement	3
CRJU 1068	Criminal Law for Criminal Justice	3
CRJU 2020	Constitutional Law	3
<b>Minimum Credit Hours for Graduation:</b>		<b>15</b>

**Minimum Credit Hours for Graduation: 15**

## Introduction to Criminal Justice IT51

The Introduction to Criminal Justice Technical Certificate of Credit is a sequence of courses that introduces students to studies which may lead to criminal justice professions. Learning opportunities develop academic, occupational, and professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes a combination of criminal justice theory and practical application necessary for successful employment. Upon completion of this technical certificate of credit may permit students to pursue entry level opportunities in the criminal justice field. Completion of the Introduction to Criminal Justice Technical Certificate of Credit does not ensure certification of officer status in Georgia. Students must seek such certification from the Peace Officer Standards and Training (P.O.S.T.) Council.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
CRJU 1010	Introduction to Criminal Justice	3
CRJU 1030	Corrections	3
CRJU 1040	Principles of Law Enforcement	3
CRJU 2050	Criminal Procedure	3
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

**Minimum Credit Hours for Graduation: 12**

## Culinary Arts

### Prep Cook PC51

This technical certificate of credit provides skills for entry into the food services preparation area as a prep cook. Topics include: Food services, history, safety and sanitation, purchasing and food control, nutrition and menu development and design, along with the principles of cooking.

#### \* High School Admissions Only

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
CUUL 1000	Fundamentals of Culinary Arts	4
CUUL 1110	Culinary Safety and Sanitation	2
CUUL 1120	Principles of Cooking	6
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

**Minimum Credit Hours for Graduation: 12**

## Cybersecurity

### Cybersecurity CY13

The Cybersecurity degree program is a sequence of courses designed to provide students with an understanding of the concepts, principles, and techniques required in computer information processing.

Graduates are to be competent in the general areas of humanities or fine arts, social or behavioral sciences, and natural sciences or mathematics, as well as in the technical areas of computer terminology and concepts, program design and development, and computer networking. Program graduates are qualified for employment as Cybersecurity Specialists or Information Security Analysts.

**Type:** Associate of Applied Science, AAS

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Area I - Language Arts/Communications (3 hrs)

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area II - Social/Behavioral Sciences (3 hrs)

\* **Select at least one of the following:**

Item #	Title	Credits
ECON 1101	Principles of Economics	3
ECON 2105	Macroeconomics	3
ECON 2106	Microeconomics	3
HIST 1112	World History II	3
HIST 2111	U.S. History I	3
HIST 2112	U.S. History II	3
POLS 1101	American Government	3
PSYC 1101	Introductory Psychology	3
SOCI 1101	Introduction to Sociology	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area III - Natural Sciences/Mathematics (3 hrs)

\* **Select one of the following:**

Item #	Title	Credits
MATH 1100	Quantitative Skills & Reasoning	3
MATH 1101	Mathematical Modeling	3
MATH 1103	Quantitative Skills & Reasoning	3
MATH 1111	College Algebra	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area IV - Humanities/Fine Arts (3 hrs)

\* Select one of the following:

Item #	Title	Credits
ARTS 1101	Art Appreciation	3
ENGL 2110	World Literature	3
ENGL 2130	American Literature	3
HUMN 1101	Introduction to Humanities	3
RELG 1101	World Religion	3
THEA 1101	Theater Appreciation	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Specific General Education Core Electives (3 hrs)

Choose one additional course from Area I, II, III, or IV from the complete listing of General Education courses and electives: [General Education Courses](#)

**Minimum Credit Hours for Graduation: 3**

## Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
CIST 1001	Computer Concepts	4
CIST 1122	Hardware Installation & Maintenance	4
CIST 1601	Information Security Fundamentals	3
CIST 1602	Security Policies & Procedures	3
CIST 2601	Implementing Operating System Security	4
CIST 2602	Network Security	4
CIST 2611	Implementing Inter/Intranet Firewalls	4
CIST 2612	Computer Forensics	4
CIST 2613	Ethical Hacking & Penetration	4
	CIST Electives (4 credits)	4
<b>Minimum Credit Hours for Graduation:</b>		<b>41</b>

## Introductory-Level Networking Class (4 hrs)

\* Choose either of the following courses:

Item #	Title	Credits
CIST 1401	Computer Networking Fundamentals	4
CIST 2451	Introduction to Networks	4
<b>Minimum Credit Hours for Graduation:</b>		<b>4</b>

**Minimum Credit Hours for Graduation: 60**

## Cybersecurity CY12

The Cybersecurity diploma program is a sequence of courses designed to provide students with an understanding of the concepts, principles, and techniques required in computer information processing. Graduates are to be competent in the basic skills areas of English and mathematics, as well as in the technical areas of computer terminology and concepts, computer networking, and network security. Program graduates are qualified for employment as Computer Network Security Specialists, Cybersecurity Specialists or Information Security Analysts.

**Type:** Diploma



## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Basic Skills Courses

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
MATH 1012	Foundations of Mathematics	3
EMPL 1000	Interpersonal Relations & Professional Development	2
<b>Minimum Credit Hours for Graduation:</b>		<b>8</b>

## Occupational Courses

Item #	Title	Credits
COLL 1000	College Success & Survival Skills	2
CIST 1001	Computer Concepts	4
CIST 1122	Hardware Installation & Maintenance	4
CIST 1601	Information Security Fundamentals	3
CIST 2601	Implementing Operating System Security	4
CIST 2602	Network Security	4
CIST 2612	Computer Forensics	4
	CIS Networking Electives (8 hrs)	8
<b>Minimum Credit Hours for Graduation:</b>		<b>33</b>

## Introductory-Level Networking Class

\* Choose one of the following:

Item #	Title	Credits
CIST 1401	Computer Networking Fundamentals	4
CIST 2451	Introduction to Networks	4
<b>Minimum Credit Hours for Graduation:</b>		<b>4</b>

**Minimum Credit Hours for Graduation: 45**

## Cybersecurity IS81

The Information Security Specialist certificate is designed to give students the knowledge they need to understand and maintain computer information systems security.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

**High School Diploma or GED Required**

Yes

**Placement Scores for Regular Admission (Next Gen Accuplacer)**

English Reading Math Algebra

Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
CIST 1601	Information Security Fundamentals	3
CIST 2602	Network Security	4
CIST 2611	Implementing Inter/Intranet Firewalls	4
CIST 1602	Security Policies & Procedures	3
CIST 2602	Network Security	4
CIST 2612	Computer Forensics	4
CIST 2613	Ethical Hacking & Penetration	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>26</b>
	<b>Minimum Credit Hours for Graduation:</b>	<b>26</b>

## Diesel Equipment Technology

### Diesel Electrical & Electronic Systems Technician DE11

The Diesel Electrical and Electronic Systems Technician certificate program provides the student with training for becoming an entry level diesel electrical/electronics systems technician. The topics presented include diesel shop safety and tool use, basic electrical and electronics theory, starting and charging systems, and electronic controls and accessory systems.

**Type:** Technical Certificate of Credit

### Admission Requirements

**Minimum Required Age**

N/A

**High School Diploma or GED Required**

Yes

**Placement Scores for Regular Admission (Next Gen Accuplacer)**

English Reading Math Algebra

## Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
DIET 1000	Introduction to Diesel Technology	3
DIET 1010	Diesel Electrical/Electronics	7
<b>Minimum Credit Hours for Graduation:</b>		<b>10</b>

**Minimum Credit Hours for Graduation: 10**

## Diesel Engine Service Technician DE21

The Diesel Engine Service Technician certificate program provides the student with training to become an entry level diesel engine service technician. The topics covered include diesel shop safety, tools and equipment, diesel electrical/electronic systems, and diesel engines and support systems.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
DIET 1000	Introduction to Diesel Technology	3
DIET 1010	Diesel Electrical/Electronics	7
DIET 1030	Diesel Engines	6
<b>Minimum Credit Hours for Graduation:</b>		<b>16</b>

**Minimum Credit Hours for Graduation: 16**

## Diesel Truck Maintenance Technician DTM1

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

## Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Required Courses

Item #	Title	Credits
DIET 1000	Introduction to Diesel Technology	3
DIET 1010	Diesel Electrical/Electronics	7
DIET 1020	Preventive Maintenance	5
DIET 2010	Truck Brake Systems	4
DIET 2020	Truck Drive Trains	4
<b>Minimum Credit Hours for Graduation:</b>		<b>23</b>

**Minimum Credit Hours for Graduation: 23**

### Heavy Diesel Service Technician HD31

The Heavy Diesel Service Technician certificate program provides training in both theory, diagnosis, and repair of basic systems on diesel engines and diesel equipment. Program instruction includes shop safety, shop equipment, diesel engines and fuel systems, electrical and electronic systems, off road power trains, and heavy equipment hydraulics. Successful completion of this program will prepare the student for entering industry as an entry level diesel service technician.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

## Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Required Courses

Item #	Title	Credits
DIET 1000	Introduction to Diesel Technology	3
DIET 1010	Diesel Electrical/Electronics	7
DIET 1030	Diesel Engines	6
DIET 2001	Heavy Equipment Hydraulics	6
DIET 2011	Off Road Drivelines	6
	DIET 1040 or DIET 1050	3-4
<b>Minimum Credit Hours for Graduation:</b>		<b>31-32</b>

**Minimum Credit Hours for Graduation: 31**

# Drafting

## Drafting Technology DT13

The Drafting Technology Associate of Applied Science degree program prepares students for employment in a variety of positions in the drafting field, such as drafter or CAD operator based on the specialization area a student chooses to complete. The program provides learning opportunities which introduce, develop, and reinforce academic and technical knowledge, skills and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to upgrade present knowledge and skills or retrain in drafting practices and software.

**\* Students must select and complete one of the following specializations:**

- Mechanical Drafting 8M32
- Architectural Drafting Specialization 8AD2
- Civil Technology Specialization 8CT2

**Type:** Associate of Applied Science, AAS

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Area I - Language Arts/Communications

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area II - Social/Behavioral Sciences

Item #	Title	Credits
	Area II - Social/Behavioral Sciences	
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area III - Natural Sciences/Mathematics

Item #	Title	Credits
MATH 1111	College Algebra	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area IV - Humanities/Fine Arts

Item #	Title	Credits
	Area IV - Humanities/Fine Arts	
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area V - Additional Program Specific Requirements

Item #	Title	Credits
	MATH 1112 or MATH 1113	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Occupational Courses

Item #	Title	Credits
DFTG 1101	CAD Fundamentals	4
DFTG 1103	Multiview/Basic Dimensioning	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>8</b>

## Mechanical Drafting 8M32

\* Minimum of 17 Occupational Elective Hours

Item #	Title	Credits
DFTG 1105	3D Mechanical Modeling	4
DFTG 1107	Advanced Dimensioning/Section Views	4
DFTG 1109	Auxiliary Views/Surface Development	4
DFTG 1111	Fasteners	4
DFTG 1113	Assembly Drawings	4
	Occupationally Related Electives	
	<b>Minimum Credit Hours for Graduation:</b>	<b>37</b>

## Architectural Drafting Specialization 8AD2

\* Minimum of 17 Occupational Elective Hours

Item #	Title	Credits
DFTG 1125	Architectural Fundamentals	4
DFTG 1127	Architectural 3D Modeling	4
DFTG 1129	Residential Drawing I	4
DFTG 1131	Residential Drawing II	4
DFTG 1133	Commercial Drawing I	4
	Occupationally Related Electives	
	<b>Minimum Credit Hours for Graduation:</b>	<b>37</b>

## Civil Technology Specialization 8CT2

\* Minimum of 8 Occupational Elective Hours

Item #	Title	Credits
DRFT 2000	Public Works Infrastructure	3
DRFT 2005	Plan Reading	3
DRFT 2010	Construction Materials	4
DRFT 2020	Construction Materials and Cost Estimating	3
DRFT 2030	Project Management	3
DRFT 2040	Highway Design	3
DRFT 2050	Surveying I	2
DRFT 2060	Route Location and Design	5
DRFT 2070	Civil Tech Internship	3
	Occupationally Related Electives	
	<b>Minimum Credit Hours for Graduation:</b>	<b>37</b>

**Minimum Credit Hours for Graduation: 60**

## Drafting Technology DT12

The Drafting Technology diploma program prepares students for employment in a variety of positions in the drafting field, such as drafter, CAD operator or Civil Tech based on the specialization area a student chooses to complete. The program provides learning opportunities which introduce, develop, and reinforce academic and technical knowledge, skills and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to upgrade present knowledge and skills or retrain in drafting practices and software.

### \* Students must complete one of the following specializations:

- Mechanical Drafting 8M32
- Architectural Drafting Specialization 8AD2
- Civil Technology Specialization 8CT2

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Basic Skills Core

Item #	Title	Credits
EMPL 1000	Interpersonal Relations & Professional Development	2
ENGL 1010	Fundamentals of English I	3
	MATH 1012 or MATH 1013	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>8</b>

## Occupational Courses

Item #	Title	Credits
DFTG 1101	CAD Fundamentals	4
DFTG 1103	Multiview/Basic Dimensioning	4
	Occupational Elective (3 hrs)	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>11</b>

## Occupational Math

### \* Choose one of the following:

Item #	Title	Credits
DFTG 1015	Practical Mathematics-Drafting	3
MATH 1015	Geometry and Trigonometry	3
MCHT 1013	Machine Tool Math	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Mechanical Drafting 8M32

Item #	Title	Credits
DFTG 1105	3D Mechanical Modeling	4
DFTG 1107	Advanced Dimensioning/Section Views	4
DFTG 1109	Auxiliary Views/Surface Development	4
DFTG 1111	Fasteners	4
DFTG 1113	Assembly Drawings	4
	Guided Elective - Drafting	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>24</b>

## Architectural Drafting Specialization 8AD2

Item #	Title	Credits
DFTG 1125	Architectural Fundamentals	4
DFTG 1127	Architectural 3D Modeling	4
DFTG 1129	Residential Drawing I	4
DFTG 1131	Residential Drawing II	4
DFTG 1133	Commercial Drawing I	4
	Guided Elective - Drafting	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>24</b>

## Civil Technology Specialization 8CT2

Item #	Title	Credits
DRFT 2000	Public Works Infrastructure	3
DRFT 2005	Plan Reading	3
DRFT 2010	Construction Materials	4
DRFT 2020	Construction Materials and Cost Estimating	3
DRFT 2030	Project Management	3
DRFT 2040	Highway Design	3
DRFT 2050	Surveying I	2
DRFT 2060	Route Location and Design	5
DRFT 2070	Civil Tech Internship	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>29</b>

**Minimum Credit Hours for Graduation: 46**

## Drafter's Assistant DA31

All of the courses included in the Drafter's Assistant TCC program are embedded in either the Drafting Technology diploma or Degree programs. The Drafter's Assistant TCC endows students with the prospect to begin on the career pathway toward advancement in the drafting profession. Additionally, the program provides opportunities to upgrade present knowledge and skills or to retrain in drafting practices and software.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes



## Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Required Courses

Item #	Title	Credits
DFTG 1101	CAD Fundamentals	4
DFTG 1103	Multiview/Basic Dimensioning	4
	Occupational Elective (3 hrs)	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>11</b>
	<b>Minimum Credit Hours for Graduation:</b>	<b>11</b>

## Early Childhood Care and Education

### Early Childhood Care and Education EC13

The Early Childhood Care and Education associate of applied science degree program is a sequence of courses designed to prepare students for a variety of careers in the field of early childhood education. The program emphasizes a combination of early childhood care and education theory and practical application as well as general core competencies necessary for successful employment. Graduates have qualifications to be employed in early care and education settings including child care centers, Head Start, Georgia Pre-K programs, and elementary school paraprofessional positions. Graduates of this program will receive one of five areas of specialization: exceptionalities, infant/toddler, program administration, paraprofessional/school age, or family child care.

### Program Approval

The Early Childhood Care and Education program is approved by the Georgia Professional Standards Commission.

### External Standards

Though not an external accrediting agency, Bright from the Start (BFTS) determines and approves the credentials of childcare workers in Georgia. TCSG works closely with BFTS to make sure its programs meet the training needs required for approved credentials of early childcare teachers and professionals. To work in a childcare field, an employee must pass a criminal background check. Students should check with the college and employers for details. The Early Childhood Care and Education, Degree program must conform to the institutional accreditation requirements of the Council on Occupational Education (COE) or the Southern Association of Colleges and Schools Commission on Colleges (COC). To work in a childcare field, an employee must pass a criminal background check. Students should check with the college and employers for details.

### Other Conditions for Admission

Criminal background checks and drug screens may be required based on the requirements for participation on clinical experiences.

**Type:** Associate of Applied Science, AAS

### Admission Requirements

#### Minimum Required Age

N/A

## High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

#### Area I - Language Arts/Communications

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
	Area I - Language Arts/Communications (3 hrs)	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>6</b>

#### Area II - Social/Behavioral Sciences

Item #	Title	Credits
	Area II - Social/Behavioral Sciences	
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

#### Area III - Natural Sciences/Mathematics

Item #	Title	Credits
	Area III - Natural Sciences/Mathematics	
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

#### Area IV - Humanities/Fine Arts

Item #	Title	Credits
	Area IV - Humanities/Fine Arts	
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

#### Specific General Education Core Elective (3 hrs)

Item #	Title	Credits
	Specific General Education Core Elective (3 hrs)	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

#### Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
ECCE 1101	Introduction to Ecce	3
ECCE 1103	Child Growth and Development	3
ECCE 1105	Health, Safety and Nutrition	3
ECCE 2115	Language Arts and Literacy	3
ECCE 1112	Curriculum and Assessment	3
ECCE 1113	Creative Activities for Child	3
ECCE 2201	Exceptionalities	3
ECCE 2202	Social Issues & Family Involvement	3
ECCE 2203	Guidance & Classroom Management	3
ECCE 1121	Ecce Practicum	3
ECCE 2116	Math and Science	3
ECCE 2245	Early Childhood Care and Education Internship I	6
	ECCE 2246 or Guided Electives	6
	<b>Minimum Credit Hours for Graduation:</b>	<b>48</b>

## Paraprofessional Specialization

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ECCE 2310	Paraprofessional Methods & Materials	3
ECCE 2312	Paraprofessional Roles & Practices	3
<b>Minimum Credit Hours for Graduation:</b>		<b>6</b>

**Minimum Credit Hours for Graduation: 72**

## Early Childhood Care and Education ECC2

The Early Childhood Care and Education Diploma program is a sequence of courses designed to prepare students for a variety of careers in the field of early childhood education. The program emphasizes a combination of early childhood care and education theory and practical application as well as limited general core competencies necessary for successful employment. Graduates have qualifications to be employed in early care and education settings including child care centers and Head Start.

### External Standards

Though not an external accrediting agency, Bright from the Start (BFTS) determines and approves the credentials of childcare workers in Georgia. TCSG works closely with BFTS to make sure its programs meet the training needs required for approved credentials of early childcare teachers and professionals. To work in a childcare field, an employee must pass a criminal background check. Students should check with the college and employers for details.

The Early Childhood Care and Education, Degree program must conform to the institutional accreditation requirements of the Council on Occupational Education (COE) or the Southern Association of Colleges and Schools Commission on Colleges (COC).

### Other Conditions for Admission

Criminal background checks and drug screens may be required based on the requirements for participation on clinical experiences.(ECCE 1121)

**Type:** Diploma

### Admission Requirements

#### **Minimum Required Age**

N/A

#### **High School Diploma or GED Required**

Yes

#### **Placement Scores for Regular Admission (Next Gen Accuplacer)**

English Reading Math Algebra

## Basic Skills Courses

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
MATH 1012	Foundations of Mathematics	3
	EMPL 1000 or PSYC 1010	2-3
	<b>Minimum Credit Hours for Graduation:</b>	<b>8-9</b>

## Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
ECCE 1101	Introduction to Ecce	3
ECCE 1103	Child Growth and Development	3
ECCE 1105	Health, Safety and Nutrition	3
ECCE 1112	Curriculum and Assessment	3
ECCE 1113	Creative Activities for Child	3
ECCE 1121	Ecce Practicum	3
ECCE 2115	Language Arts and Literacy	3
ECCE 2116	Math and Science	3
ECCE 2202	Social Issues & Family Involvement	3
ECCE 2203	Guidance & Classroom Management	3
ECCE 2245	Early Childhood Care and Education Internship I	6
	ECCE 2246 or Guided Electives	6
	<b>Minimum Credit Hours for Graduation:</b>	<b>45</b>
	<b>Minimum Credit Hours for Graduation:</b>	<b>53</b>

## Child Development Specialist CD61

The Early Childhood Care and Education Child Development Specialist TCC is a sequence of five courses designed to prepare students for a variety of careers in the field of early childhood education. The program emphasizes the basics needed for a career in early childhood, but this TCC also includes more content about planning curriculum and working in the field. In addition, the student may complete a practicum and work in a child care program. Graduates have qualifications to be employed in early care and education settings including child care centers and Head Start.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
ECCE 1101	Introduction to Ecce	3
ECCE 1103	Child Growth and Development	3
ECCE 1105	Health, Safety and Nutrition	3
ECCE 1112	Curriculum and Assessment	3
	ECCE 1121 or EMPL 1000	2-3
	<b>Minimum Credit Hours for Graduation:</b>	<b>14-15</b>

**Minimum Credit Hours for Graduation: 14**

## Early Childhood Care and Education Basics EC31

The Early Childhood Care and Education (ECCE) Basic Child TCC includes three basic Early Childhood and Care Education courses that are needed for entry level workers. The program provides an introductory course to the ECCE field, a child growth and development course, and a health, safety and nutrition course. Graduates have qualifications to be employed in early care and education settings including child care centers and Head Start, and Georgia Pre-K programs. Bright from the Start (BFTS), the regulatory agency in Georgia, requires the basic knowledge included in this TCC for a person to be a lead teacher in a child care center and family day care center.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
ECCE 1101	Introduction to Ecce	3
ECCE 1103	Child Growth and Development	3
ECCE 1105	Health, Safety and Nutrition	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>9</b>

**Minimum Credit Hours for Graduation: 9**

# Education

## Education ED13

The Education associate of applied science degree program is a series of courses designed to prepare students for a position in education. The program emphasizes a combination of education theory and practical application as well as general core, science, and mathematics competencies necessary for successful employment. Graduates have qualifications to be employed in educational settings including Head Start, Georgia Pre-K programs, and public school teaching assistant positions. Graduates of this program will receive one of two areas of S.T.E.M. specialization: mathematics or science.

\* **Students** - Choose from and complete either STEM Specialization:

- Math Concentration (16 hrs)
- Science Concentration (16 hrs)

**Type:** Associate of Applied Science, AAS

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Area I - Language Arts/Communications

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ENGL 1101	Composition and Rhetoric	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area II - Social/Behavioral Sciences

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
	Area II - Social/Behavioral Sciences	
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area III - Natural Sciences/Mathematics

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
	Area III - Natural Sciences/Mathematics	
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area IV - Humanities and Fine Arts

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
	Area IV - Humanities/Fine Arts	
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## General Education Core Electives

\* Choose 12 additional credit hours from the complete Area I, II, III, or IV listings:

### General Education Courses

**Minimum Credit Hours for Graduation: 12**

## Occupational Courses

Item #	Title	Credits
EDUC 2110	Investigating Critical & Contemporary Issues in Education	3
EDUC 2120	Exploring Sociocultural Perspectives and Diversity in Educational Context	3
EDUC 2130	Exploring Teaching and Learning	3
EDUC 2210	Paraprofessional Internship	3
EDUC 2220	Education Review	2
COMP 1000	Introduction to Computer Literacy	3
<b>Minimum Credit Hours for Graduation:</b>		<b>17</b>

## Mathematics Concentration

Item #	Title	Credits
MATH 1112	College Trigonometry	3
MATH 1113	Precalculus	3
MATH 1127	Introduction to Statistics	3
MATH 1131	Calculus I	4
MATH 1132	Calculus II	4
MATH 1133	Calculus III	4
<b>Minimum Credit Hours for Graduation:</b>		<b>21</b>

## Science Concentration

Item #	Title	Credits
BIOL 1111	Biology I	3
BIOL 1111L	Biology Lab I	1
BIOL 1112	Biology II	3
BIOL 1112L	Biology Lab II	1
CHEM 1211	Chemistry I	3
CHEM 1211L	Chemistry Lab I	1
CHEM 1212	Chemistry II	3
CHEM 1212L	Chemistry Lab II	1
<b>Minimum Credit Hours for Graduation:</b>		<b>16</b>

**Minimum Credit Hours for Graduation: 57**

## Electronics

### Electronics Fundamentals EF12

The Electronics Fundamentals program is designed to prepare students for careers in electronics professions. Learning opportunities develop academic, technical, and professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes a combination of electronics theory and practical application necessary for successful employment. Program graduates receive an Electronics Fundamentals diploma which prepares them for entry-level positions in the electronics field and qualifies them for admission to the Electronics Technology program.

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Basic Skills Core

Item #	Title	Credits
EMPL 1000	Interpersonal Relations & Professional Development	2
ENGL 1010	Fundamentals of English I	3
	MATH 1012 or MATH 1013	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>8</b>

## Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
ELCR 1005	Soldering Technology	1
ELCR 1010	Direct Current Circuits	6
ELCR 1020	Alternating Current Circuits	7
ELCR 1030	Solid State Devices	5
ELCR 1040	Digital & Microprocessor Fundamentals	5
ELCR 1060	Linear Integrated Circuits	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>30</b>

**Minimum Credit Hours for Graduation: 38**

## Electronics Technology ET14

The Electronics Technology Diploma program is a sequence of courses designed to prepare students for careers in electronics technology professions. Learning opportunities develop academic, technical, and professional knowledge and skills required for job acquisition, retention, and advancement. Program graduates are to be competent in the general areas of communications, mathematics, computer literacy, and interpersonal relations. The program emphasizes a combination of electronics technology theory and practical application necessary for successful employment using both manual and computerized electronics systems. Program graduates receive an Electronics Technology Diploma which qualifies them as electronics technicians with a specialization in biomedical instrumentation, communications electronics, computer electronics, general electronics, industrial electronics, or telecommunications electronics.

\* **Students** - Choose and complete one of the four listed specializations:

- Communications Electronics Technology Specialization 8CE2
- Telecommunications Electronics Technology Specialization 8TE2
- Industrial Electronics Technology Specialization 8IE2
- Field Occupation Specialization 8FC2



**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Basic Skills Courses

Item #	Title	Credits
EMPL 1000	Interpersonal Relations & Professional Development	2
ENGL 1010	Fundamentals of English I	3
	MATH 1012, MATH 1013, or MATH 1111	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>8</b>

## Occupational Courses

Item #	Title	Credits
ELCR 1005	Soldering Technology	1
ELCR 1010	Direct Current Circuits	6
ELCR 1020	Alternating Current Circuits	7
ELCR 1030	Solid State Devices	5
ELCR 1040	Digital & Microprocessor Fundamentals	5
ELCR 1060	Linear Integrated Circuits	3
	Occupational Elective (3 hrs)	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>30</b>

## Communications Electronics Technology Specialization 8CE2

Item #	Title	Credits
ELCR 2210	Analog Communications	5
ELCR 2220	Digital Communications	3
ELCR 2230	Antenna and Transmission Lines	3
ELCR 2240	Microwave Communications and Radar	3
ELCR 2250	Optical Communication Techniques	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>17</b>

## Telecommunications Electronics Technology Specialization 8TE2

Item #	Title	Credits
ELCR 2170	Computer Hardware	5
ELCR 2190	Networking I	3
ELCR 2590	Fiber Optic Systems	3
ELCR 2600	Telecommunication & Data Cabling	3
ELCR 2620	Telecommunications Systems Installation, Programming & Data Transmission	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>18</b>

## Industrial Electronics Technology Specialization 8IE2

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ELCR 2110	Process Control	3
ELCR 2120	Motor Controls	3
ELCR 2130	Programmable Controllers	3
ELCR 2140	Mechanical Devices	2
ELCR 2150	Fluid Power	2
ELCR 2160	Advanced Microprocessors & Robotics	3
<b>Minimum Credit Hours for Graduation:</b>		<b>16</b>

## Field Occupation Specialization 8FC2

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
	Occupationally Related Electives	
<b>Minimum Credit Hours for Graduation:</b>		<b>16</b>

**Minimum Credit Hours for Graduation: 54**

## Basic Electricity Technician BE31

The Basic Electricity Technician Technical Certificate of Credit provides a basic knowledge of direct current and alternating current circuits and their components.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ELCR 1010	Direct Current Circuits	6
ELCR 1020	Alternating Current Circuits	7
<b>Minimum Credit Hours for Graduation:</b>		<b>13</b>

**Minimum Credit Hours for Graduation: 13**

## Basic Electronic Assembler BE41

The Basic Electronic Assembler certificate program is designed to prepare students for careers as entry-level production technicians in a manufacturing environment, or as service technicians or operators in the telecommunications industry. Topics include basic algebraic fundamentals, direct current circuits, and soldering techniques.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Required Courses

Item #	Title	Credits
ELCR 1005	Soldering Technology	1
ELCR 1010	Direct Current Circuits	6
	MATH 1012 or MATH 1013	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>10</b>
	<b>Minimum Credit Hours for Graduation:</b>	<b>10</b>

## Digital Electronics Technician DET1

This Technical Certificate of Credit provides a basic knowledge of digital-electronics circuits and their components. Career opportunities are possible with BellSouth, Georgia Power, The southern Company, and others. Completion of this Technical Certificate of Credit leads the student into Electronics Fundamentals and/or Electronics Technology programs.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

## Required Courses

Item #	Title	Credits
ELCR 1005	Soldering Technology	1
ELCR 1030	Solid State Devices	5
ELCR 1040	Digital & Microprocessor Fundamentals	5
IDFC 1007	Industrial Safety Procedures	2
<b>Minimum Credit Hours for Graduation:</b>		<b>13</b>

**Minimum Credit Hours for Graduation: 13**

## Electrical Lineworker EL11

The Electrical Lineworker certificate program provides students with the necessary knowledge and skill to gain employment as an entry-level lineworker with electrical utility companies, both public and private. Topics include lineworker organization principles, lineworker workplace skills, lineworker automations skills, and lineworker occupational skills.

## Other Conditions for Admission

- Minimum Required Age: 18
- Candidates must hold a valid driver's license and a CDL Class A permit with general knowledge, air brake, and combination vehicle endorsements.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
ELCR 1800	Electrical Lineworker Organization Principles	3
ELCR 1820	Electrical Lineworker Workplace Skills	2
ELCR 1840	Electrical Lineworker Automation Skills	2
ELCR 1860	Electrical Lineworker Occupational Skills	5
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

**Minimum Credit Hours for Graduation: 12**

## Mobile Electronics Technician ME61

The Mobile Electronics Technician Technical Certificate of Credit is designed to provide students with short term training to prepare them for entry level employment in the field of car audio systems installation. Topics include direct and alternating current principles, soldering techniques, and system installation procedures.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Required Courses

Item #	Title	Credits
ELCR 1005	Soldering Technology	1
ELCR 1300	Mobil Audio & Video Systems	3
<b>Minimum Credit Hours for Graduation:</b>		<b>4</b>

### DC Course

\* Select one of the following courses:

Item #	Title	Credits
IDFC 1011	Direct Current I	3
IDSY 1101	DC Circuit Analysis	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### AC Course

\* Select one of the following courses:

Item #	Title	Credits
ELTR 1020	Alternating Current Fundamentals	3
IDFC 1012	Alternating Current I	3
IDSY 1105	AC Circuit Analysis	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

**Minimum Credit Hours for Graduation: 10**

# Engineering

## Engineering Technology ET33

The Engineering Technology Program is intended to provide the opportunity for students to explore a career in engineering at the professional level. Program graduates will receive an Associate of Applied Science degree in Engineering Technology, qualifying them as engineering technicians with a specialization in mechanical engineering technology or electrical engineering technology.

### Other conditions for Admission

MATH 1111, College Algebra, is a prerequisite course for MATH 1113, Precalculus

**Type:** Associate of Applied Science, AAS

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Area I - Language Arts/Communications

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Area II - Social/Behavioral Sciences

\* Choose one of the following:

Item #	Title	Credits
HIST 1111	World History I	3
HIST 1112	World History II	3
HIST 2111	U.S. History I	3
HIST 2112	U.S. History II	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Area III - Natural Sciences/Mathematics

Item #	Title	Credits
MATH 1113	Precalculus	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area IV - Humanities and Fine Arts

\* Choose one of the following:

Item #	Title	Credits
MUSC 1101	Music Appreciation	3
ARTS 1101	Art Appreciation	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Additional General Education

Item #	Title	Credits
MATH 1131	Calculus I	4
<b>Minimum Credit Hours for Graduation:</b>		<b>4</b>

## Occupational Courses

Item #	Title	Credits
DFTG 2010	Engineering Graphics	4
ENGL 1102	Literature and Composition	3
ENGL 1105	Workplace and Technical Communications	3
PHYS 1111	Introductory Physics I	3
PHYS 1111L	Introductory Physics I Lab	1
PHYS 1112	Introductory Physics II	3
PHYS 1112L	Introductory Physics Lab	1
SPCH 1101	Public Speaking	3
<b>Minimum Credit Hours for Graduation:</b>		<b>21</b>

## Chemistry Course

\* Choose one of the following courses and the corresponding lab:

Item #	Title	Credits
CHEM 1151	Survey of Inorganic Chemistry Lab	3
CHEM 1151L	Survey of Inorganic Chemistry Lab	1
CHEM 1211	Chemistry I	3
CHEM 1211L	Chemistry Lab I	1
<b>Minimum Credit Hours for Graduation:</b>		<b>4</b>

## Electrical Engineering Technology 8EI3

Item #	Title	Credits
ENGT 1000	Introduction to Engineering Technology	3
ECET 1101	Circuit Analysis I	4
ECET 2101	Circuit Analysis II	4
ECET 1110	Digital Systems	4
ECET 2120	Electronic Circuits	4
MATH 1132	Calculus II	4
<b>Minimum Credit Hours for Graduation:</b>		<b>23</b>

**Minimum Credit Hours for Graduation: 64**

## Engineering Technology Basics EBT1

The Engineering Technology Basics certificate program provides training in core engineering techniques. These techniques include drafting and design, complex mathematical calculations, and force evaluation. Topics also include engineering project write-ups, presentation, evaluation, and safety.

**\* Students must choose one of the following options:**

- Biology Cluster Option (8 hrs)
- Chemistry Cluster (8 hrs)
- Physics Option (4 hrs)
- ECET Option (4 hrs)

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
MATH 1111	College Algebra	3
MATH 1113	Precalculus	3
ENGT 1000	Introduction to Engineering Technology	3
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

## Biology Cluster Option

Item #	Title	Credits
BIOL 1111	Biology I	3
BIOL 1111L	Biology Lab I	1
BIOL 2107	Biological Principles I	3
BIOL 2107L	Biological Principles I Lab	1
<b>Minimum Credit Hours for Graduation:</b>		<b>8</b>

## Chemistry Cluster Option

Item #	Title	Credits
CHEM 1151	Survey of Inorganic Chemistry Lab	3
CHEM 1151L	Survey of Inorganic Chemistry Lab	1
CHEM 1211	Chemistry I	3
CHEM 1211L	Chemistry Lab I	1
<b>Minimum Credit Hours for Graduation:</b>		<b>8</b>

## Physics Option

Item #	Title	Credits
PHYS 1111	Introductory Physics I	3
PHYS 1111L	Introductory Physics I Lab	1
<b>Minimum Credit Hours for Graduation:</b>		<b>4</b>



## ECET Option

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ECET 1101	Circuit Analysis I	4
<b>Minimum Credit Hours for Graduation:</b>		<b>4</b>

## Drafting Course

\* Choose one of the following:

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
DFTG 1101	CAD Fundamentals	4
DFTG 2010	Engineering Graphics	4
<b>Minimum Credit Hours for Graduation:</b>		<b>4</b>

**Minimum Credit Hours for Graduation: 20**

## Engineering Technology Fundamentals EF11

The intent of the Engineering Fundamentals technical certificate of credit is to expose students to Engineering Technology and Civil Engineering Technology. Provides training in core engineering techniques. These techniques include drafting and design, and complex mathematical calculations. Topics also include engineering project write-ups, presentation, evaluation, and safety.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ENGT 1000	Introduction to Engineering Technology	3
MATH 1111	College Algebra	3
MATH 1113	Precalculus	3
<b>Minimum Credit Hours for Graduation:</b>		<b>9</b>

## 4 Credit Option

\* Select either DFTG course or PHYS 1111 and Lab

Item #	Title	Credits
DFTG 1101	CAD Fundamentals	4
DFTG 1105	3D Mechanical Modeling	4
DFTG 2010	Engineering Graphics	4
PHYS 1111	Introductory Physics I	3
PHYS 1111L	Introductory Physics I Lab	1
<b>Minimum Credit Hours for Graduation:</b>		<b>4</b>

**Minimum Credit Hours for Graduation: 13**

## Forestry

### Forestry Technology FT13

The Forest Technology program is a sequence of courses that prepares students for employment in the field of forestry. The program provides learning opportunities which introduce, develop, and reinforce academic and technical knowledge, skills, and attitudes required for job acquisition, retention, and advancement. The technical knowledge and skills in this program focus on forest biology, forest products, forest protection, forest management, forest measurements, and surveying and mapping. Additionally, the program provides opportunities to retrain or upgrade present knowledge and skills. Graduates of the program receive a Forest Technology Degree which qualifies them as forest technicians.

**Type:** Associate of Applied Science, AAS

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Area I - Language Arts/Communications

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Area II - Social/Behavioral Sciences

Item #	Title	Credits
Area II - Social/Behavioral Sciences		
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Area III - Natural Sciences/Mathematics

Item #	Title	Credits
	Area III - Natural Sciences/Mathematics	
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

### Area IV - Humanities/Fine Arts

Item #	Title	Credits
	Area IV - Humanities/Fine Arts	
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

### Specific General Education Core Elective

\* Choose an additional course from the complete Area I, II, III, or IV listings:

#### General Education Courses

**Minimum Credit Hours for Graduation: 3**

### Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
FORS 1010	Introduction to Forestry & Natural Resources	3
FORS 1020	Soils and Hydrology	3
FORS 1030	Dendrology	3
FORS 1040	Forest Protection	3
FORS 1160	Forest Surveying and Mapping	4
FORS 1210	GPS/GIS Aerial Photography	4
FORS 1260	Forest Measurements	4
FORS 1310	Silvics and Silviculture	4
FORS 1410	Forest Mensuration	4
FORS 2460	Forest Management	6
	Guided Electives 3+	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>44</b>

### Forest Internship/Management Course

\* Choose one of the following:

Item #	Title	Credits
FORS 1580	Wildlife Management	3
FORS 1600	Forest Technology Internship	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

**Minimum Credit Hours for Graduation: 62**

### Forestry Technology FT12

The Forest Technology program is a sequence of courses that prepares students for employment in the field of forestry. The program provides learning opportunities which introduce, develop, and reinforce academic and technical knowledge, skills, and attitudes required for job acquisition, retention, and advancement. The technical knowledge and skills in this program focus on forest biology, forest products, forest protection, forest management, forest measurements, and surveying and mapping. Additionally, the program provides opportunities to retrain or upgrade present knowledge and skills. Graduates of the program receive a Forest Technology Diploma which qualifies them as forest technicians.

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Basic Skills

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
MATH 1012	Foundations of Mathematics	3
EMPL 1000	Interpersonal Relations & Professional Development	2
<b>Minimum Credit Hours for Graduation:</b>		<b>8</b>

## Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
FORS 1010	Introduction to Forestry & Natural Resources	3
FORS 1020	Soils and Hydrology	3
FORS 1030	Dendrology	3
FORS 1040	Forest Protection	3
FORS 1160	Forest Surveying and Mapping	4
FORS 1210	GPS/GIS Aerial Photography	4
FORS 1260	Forest Measurements	4
FORS 1310	Silvics and Silviculture	4
FORS 1410	Forest Mensuration	4
FORS 2460	Forest Management	6
<b>Minimum Credit Hours for Graduation:</b>		<b>41</b>

## Forest Internship/Management Course

\* Choose one of the following:

Item #	Title	Credits
FORS 1600	Forest Technology Internship	3
FORS 1580	Wildlife Management	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

**Minimum Credit Hours for Graduation: 52**

## Basic Timber Harvesting BT41

The Basic Timber harvesting technical certificate of credit program provides skills necessary for program completers to obtain entry-level employment in the area of timber harvesting. Topics include: safety, forest products marketing, woodland skills and timber industry standards. The student obtains Master Timber Harvester Certification.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Required Courses

Item #	Title	Credits
THOP 1101	Introduction to Timber Harvest Safety	3
THOP 1102	Forest Products Marketing	3
THOP 1103	Woodland Skills	3
THOP 1104	Timber Industry Standards	3
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

## Forestry Technician Assistant FTA1

The Forest Technician Assistant technical certificate of credit provides skills necessary for program completers to obtain entry-level employment in the area of forestry. Topics include: safety, dendrology, product identification and utilization, surveying and mapping, and forest measurements.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

## Required Courses

Item #	Title	Credits
FORS 1010	Introduction to Forestry & Natural Resources	3
FORS 1030	Dendrology	3
FORS 1260	Forest Measurements	4
FORS 1160	Forest Surveying and Mapping	4
<b>Minimum Credit Hours for Graduation:</b>		<b>14</b>

**Minimum Credit Hours for Graduation: 14**

## Land Surveying Technician LST1

The Land Surveying Technician technical certificate of credit program is intended to produce graduates who are prepared for employment as Land Surveying Technicians in organizations that conduct land surveying activities.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
FORS 1010	Introduction to Forestry & Natural Resources	3
FORS 1160	Forest Surveying and Mapping	4
FORS 1210	GPS/GIS Aerial Photography	4
MATH 1012	Foundations of Mathematics	3
<b>Minimum Credit Hours for Graduation:</b>		<b>14</b>

**Minimum Credit Hours for Graduation: 14**

## Timber Harvesting Operations THO1

The Timber Harvesting Operations technical certificate of credit program provides skills necessary for program completers to obtain employment in the area of timber harvesting. Topics include: safety, forest products marketing, woodland skills, timber industry standards, timber harvesting equipment operations, and equipment maintenance.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
THOP 1101	Introduction to Timber Harvest Safety	3
THOP 1102	Forest Products Marketing	3
THOP 1103	Woodland Skills	3
THOP 1104	Timber Industry Standards	3
THOP 1105	Timber Harvest Equip Oper I	3
THOP 1106	Timber Harvest Equip Oper II	3
<b>Minimum Credit Hours for Graduation:</b>		<b>18</b>

**Minimum Credit Hours for Graduation: 18**

## General Business

### General Business GB13

The Associate of Science in General Business Degree program provides an introductory foundation to core aspects of the business environment while also preparing students for continued study in the field of business. The program develops skills through course work in communications, social/behavioral sciences, natural sciences, mathematics, and the humanities as well as in the business disciplines. Graduates may pursue additional education opportunities at senior institutions or pursue a variety of entry-level positions in the broad career field of business.

**Type:** Associate of Science, AS

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

## Area I - Language Arts/Communications

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
ENGL 1102	Literature and Composition	3
SPCH 1101	Public Speaking	3
<b>Minimum Credit Hours for Graduation:</b>		<b>9</b>

## Area II - Social/Behavioral Sciences

Item #	Title	Credits
POLS 1101	American Government	3
ECON 2105	Macroeconomics	3
ECON 2106	Microeconomics	3
	HIST 2111 or HIST 2112	3
	Specific Area II GB13 Selection	3
<b>Minimum Credit Hours for Graduation:</b>		<b>15</b>

## Area III - Natural Sciences/Mathematics

Item #	Title	Credits
MATH 1127	Introduction to Statistics	3
MATH 1111	College Algebra	3
BIOL 1111	Biology I	3
BIOL 1111L	Biology Lab I	1
BIOL 1112	Biology II	3
BIOL 1112L	Biology Lab II	1
<b>Minimum Credit Hours for Graduation:</b>		<b>14</b>

## Area IV - Humanities/Fine Arts

Item #	Title	Credits
ENGL 2130	American Literature	3
	Specific Area IV GB13 Selection	3
<b>Minimum Credit Hours for Graduation:</b>		<b>6</b>

## Occupational Courses

Item #	Title	Credits
ACCT 1100	Financial Accounting I	4
ACCT 1105	Financial Accounting II	4
ACCT 1120	Spreadsheet Applications	4
ACCT 2000	Managerial Accounting	3
ACCT 2140	Legal Environment of Business	3
ACCT 2145	Personal Finance	3
MGMT 1120	Introduction to Business	3
<b>Minimum Credit Hours for Graduation:</b>		<b>24</b>

**Minimum Credit Hours for Graduation: 68**



# Horticulture

## Horticulture EH12

The Environmental Horticulture program is a sequence of courses that prepares students for careers in environmental horticulture. The program provides learning opportunities which introduce, develop, and reinforce academic and technical knowledge, skills, and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to retrain or upgrade present knowledge and skills.

\* **Students must select one of the following specializations:**

- General Horticulture Specialization
- Landscape Management Specialization

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Basic Skills Courses

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
MATH 1012	Foundations of Mathematics	3
EMPL 1000	Interpersonal Relations & Professional Development	2
<b>Minimum Credit Hours for Graduation:</b>		<b>8</b>

## Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
HORT 1000	Horticulture Science	3
HORT 1010	Woody Plant Identification	3
HORT 1020	Herbaceous Plant Identification	3
HORT 1080	Pest Management	3
	Elective (3 credits +)	3
	HORT 1150 or Elective	3
<b>Minimum Credit Hours for Graduation:</b>		<b>21</b>

## General Horticulture Specialization

Item #	Title	Credits
	Guided Electives	
<b>Minimum Credit Hours for Graduation:</b>		<b>15</b>

## Landscape Management Specialization

Item #	Title	Credits
HORT 1120	Landscape Management	4
HORT 1330	Turfgrass Management	4
HORT 1310	Irrigation & Water Management	4
	Guided Electives	
	<b>Minimum Credit Hours for Graduation:</b>	<b>15</b>
	<b>Minimum Credit Hours for Graduation:</b>	<b>44</b>

## Floral Designer FD11

The floral designer certificate prepares students for career opportunities in the floral and special events industry. Students will receive hands-on instruction in the identification of commonly used plant material as well as instruction in how to prepare, design arrange and care for flowers in the florist shop and used in special events. Courses will help students become aware of the business side of floral work as well as the design theory behind standard industry practices. This program provides courses that will produce a well-rounded floral professional with a solid background in the floral industry. Technical courses apply to the degree or diploma program in horticulture. This certificate is an excellent addition to the landscape design, interior design, commercial photography, and culinary arts degrees.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Required Courses

Item #	Title	Credits
HORT 1720	Introductory Floral Design	4
HORT 1730	Advanced Floral Design	4
HORT 2249	Flower Shop Management	3
	HORT 1150 or Elective	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>14</b>
	<b>Minimum Credit Hours for Graduation:</b>	<b>14</b>

## Garden Center Technician GC31

Prepare graduates for challenging careers in the expanding field of Landscaping and Garden Centers.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
HORT 1010	Woody Plant Identification	3
HORT 1020	Herbaceous Plant Identification	3
HORT 1080	Pest Management	3
HORT 1140	Horticulture Business Management	3
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

## Landscape Specialist LS11

Prepare graduates for challenging careers in the expanding field of Landscaping. Students will also develop contemporary business concepts as they apply to landscape and garden centers.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
HORT 1000	Horticulture Science	3
HORT 1010	Woody Plant Identification	3
HORT 1070	Landscape Installation	4
HORT 1080	Pest Management	3
HORT 1120	Landscape Management	4
<b>Minimum Credit Hours for Graduation:</b>		<b>17</b>

**Minimum Credit Hours for Graduation: 17**

## Nursery/Greenhouse Technician PPS1

Prepare graduates for challenging careers in the expanding field of Landscaping and Garden Centers.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
HORT 1000	Horticulture Science	3
HORT 1010	Woody Plant Identification	3
HORT 1020	Herbaceous Plant Identification	3
HORT 1030	Greenhouse Management	4
HORT 1050	Nursery Production & Management	4
<b>Minimum Credit Hours for Graduation:</b>		<b>17</b>

**Minimum Credit Hours for Graduation: 17**

## Industrial Systems Technology

### Electrical Control Systems EC22

The Electrical Control Systems Diploma program is a sequence of courses designed to prepare students in the field of electrical control systems. Learning opportunities develop academic and professional knowledge, along with skills required for job acquisition, retention, and advancement. The program emphasizes specialized training in PLC's, electrical controls, and instrumentation. Graduates of the program receive an Electrical Control Systems diploma that qualifies them for employment as industrial electricians or industrial control technicians.

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Basic Skills Core

Item #	Title	Credits
EMPL 1000	Interpersonal Relations & Professional Development	2
ENGL 1010	Fundamentals of English I	3
	MATH 1012 or MATH 1013	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>8</b>

## DC Occupational Course

\* Choose one of the following courses:

Item #	Title	Credits
IDSY 1101	DC Circuit Analysis	3
IDFC 1011	Direct Current I	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## AC Occupational Course

\* Choose one of the following courses:

Item #	Title	Credits
IDFC 1012	Alternating Current I	3
IDSY 1105	AC Circuit Analysis	3
ELTR 1020	Alternating Current Fundamentals	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Occupational Courses

Item #	Title	Credits
IDSY 1110	Industrial Motor Controls I	4
IDSY 1120	Basic Industrial PLC's	4
IDSY 1130	Industrial Wiring	4
IDSY 1210	Industrial Motor Controls II	4
IDSY 1220	Intermediate Industrial PLC's	4
IDSY 1230	Industrial Instrumentation	4
	Occupational Electives (6 hrs)	6
	<b>Minimum Credit Hours for Graduation:</b>	<b>30</b>

**Minimum Credit Hours for Graduation: 44**

## Industrial Mechanical Systems IMS2

The Industrial Mechanical Systems Diploma program provides instruction to prepare students for employment in a variety of positions within the industrial production equipment maintenance field. The program provides learning opportunities that introduce, develop, and reinforce academic and technical knowledge, skills, and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to retrain or upgrade present knowledge and skills. Graduates of the program receive an Industrial Mechanical Systems, diploma that qualifies them for employment as an industrial maintenance mechanic.

**Type:** Diploma

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Basic Skills Core

Item #	Title	Credits
EMPL 1000	Interpersonal Relations & Professional Development	2
ENGL 1010	Fundamentals of English I	3
	MATH 1012 or MATH 1013	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>8</b>

### Occupational Courses

Item #	Title	Credits
IDSY 1020	Print Reading and Problem Solving	3
IDSY 1110	Industrial Motor Controls I	4
IDSY 1160	Mechanical Laws & Principles	4
IDSY 1170	Industrial Mechanics	4
IDSY 1190	FLUID Power Systems	4
IDSY 1195	Pumps and Piping Systems	3
IDSY 1240	Maintenance for Reliability	4
	Occupational Electives (11 hrs)	11
	<b>Minimum Credit Hours for Graduation:</b>	<b>37</b>

### DC Course

\* Choose one of the following courses:

Item #	Title	Credits
IDSY 1101	DC Circuit Analysis	3
IDFC 1011	Direct Current I	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## AC Course

\* Choose one of the following courses:

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
IDSY 1105	AC Circuit Analysis	3
IDFC 1012	Alternating Current I	3
ELTR 1020	Alternating Current Fundamentals	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

**Minimum Credit Hours for Graduation: 51**

## Industrial Systems Technology IST4

The Industrial Systems Technology Diploma program is designed for the student who wishes to prepare for a career as an Industrial Systems technician/electrician. The program provides learning opportunities that introduce, develop and reinforce academic and technical knowledge, skill, and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to retrain or upgrade present knowledge and skill. The diploma program teaches skills in Industrial Systems Technology providing background skills in several areas of industrial maintenance including electronics, industrial wiring, motors, controls, plc's, instrumentation, fluidpower, mechanical, pumps and piping, and computers. Graduates of the program receive an Industrial Systems technology diploma that qualifies them for employment as industrial electricians or industrial systems technicians.

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Basic Skills Core

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
EMPL 1000	Interpersonal Relations & Professional Development	2
ENGL 1010	Fundamentals of English I	3
	MATH 1012 or MATH 1013	3
<b>Minimum Credit Hours for Graduation:</b>		<b>8</b>

## Occupational Courses

Item #	Title	Credits
IDSY 1101	DC Circuit Analysis	3
IDSY 1105	AC Circuit Analysis	3
IDSY 1170	Industrial Mechanics	4
IDSY 1110	Industrial Motor Controls I	4
IDSY 1120	Basic Industrial PLC's	4
IDSY 1130	Industrial Wiring	4
IDSY 1190	FLUID Power Systems	4
IDSY 1195	Pumps and Piping Systems	3
	IST4 Occupational Electives	9
	<b>Minimum Credit Hours for Graduation:</b>	<b>38</b>

**Minimum Credit Hours for Graduation: 46**

## Industrial Fluid Power Technician IF11

The Industrial Fluid Power Technician certificate program prepares students to inspect, maintain, service, and repair industrial mechanical systems, fluid power systems, and pumps and piping systems. Topics include safety procedures, mechanics, fluid power, and pumps and piping system maintenance.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
IDSY 1170	Industrial Mechanics	4
IDSY 1190	FLUID Power Systems	4
IDSY 1195	Pumps and Piping Systems	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>11</b>

**Minimum Credit Hours for Graduation: 11**

## Industrial Motor Control Technician IM41

The Industrial Motor Control Technician Technical Certificate of Credit provides training in the maintenance of industrial motor controls. Topics include DC and AC motors, basic, advanced, and variable speed motor controls, and magnetic starters and braking.



**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
IDSY 1110	Industrial Motor Controls I	4
IDSY 1210	Industrial Motor Controls II	4
IDSY 1130	Industrial Wiring	4
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

**Minimum Credit Hours for Graduation: 12**

## Manufacturing Maintenance Fundamentals MM11

The Manufacturing Maintenance Fundamentals Technical Certificate of Credit provides training to assist students employed in a variety of positions within the industrial equipment maintenance field to develop new or reinforce existing skills.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
MATH 1012	Foundations of Mathematics	3
IDFC 1007	Industrial Safety Procedures	2
MCHT 1012	Blueprint for Machine Tool	3
IDSY 1170	Industrial Mechanics	4
IDSY 1190	Fluid Power Systems	4
IDSY 1195	Pumps and Piping Systems	3
<b>Minimum Credit Hours for Graduation:</b>		<b>19</b>

## DC Course

\* Choose one of the following courses:

Item #	Title	Credits
IDFC 1011	Direct Current I	3
IDSY 1101	DC Circuit Analysis	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## AC Course

\* Choose one of the following courses:

Item #	Title	Credits
ELTR 1020	Alternating Current Fundamentals	3
IDFC 1012	Alternating Current I	3
IDSY 1105	AC Circuit Analysis	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

**Minimum Credit Hours for Graduation: 25**

## Programmable Control Technician PC81

The Programmable Controller Technician I certificate program offers specialized training in programmable controllers. Topics include motor control fundamentals, and instruction in basic and advanced PLCs.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
IDSY 1110	Industrial Motor Controls I	4
IDSY 1120	Basic Industrial PLC's	4
IDSY 1220	Intermediate Industrial PLC's	4
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

**Minimum Credit Hours for Graduation: 12**

## Machine Tool

### Machine Tool Technology MTT2

The Machine Tool Technology Diploma program is a sequence of courses that prepares students for careers in the machine tool technology field. Learning opportunities develop academic, technical, and professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes a combination of machine tool theory and practical application necessary for successful employment. Program graduates receive a Machine Tool Technology Degree/Diploma and have the qualification of a machine tool technician.

**Type:** Diploma

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## General Education Courses

Item #	Title	Credits
MATH 1012	Foundations of Mathematics	3
EMPL 1000	Interpersonal Relations & Professional Development	2
ENGL 1010	Fundamentals of English I	3
<b>Minimum Credit Hours for Graduation:</b>		<b>8</b>

## Math Option

\* Choose one of the following options:

Item #	Title	Credits
MCHT 1013	Machine Tool Math	3
	MATH 1013 and MATH 1015 Cluster	6
<b>Minimum Credit Hours for Graduation:</b>		<b>3-6</b>

## Occupational Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
MCHT 1011	Introduction to Machine Tool	4
MCHT 1012	Blueprint for Machine Tool	3
MCHT 1020	Heat Treatment & Surface Grinding	4
MCHT 1119	Lathe Operations I	4
MCHT 1120	Mill Operations I	4
MCHT 1219	Lathe Operations II	4
MCHT 1220	Mill Operations II	4
AMCA 2110	CNC Fundamentals	4
	Occupational Electives (6 hrs)	6
	<b>Minimum Credit Hours for Graduation:</b>	<b>37</b>
	<b>Minimum Credit Hours for Graduation:</b>	<b>48</b>

## CNC Specialist CS51

The CNC Specialist Technical Certificate of Credit program provides training for graduates to gain employment as CNC machine tool technicians. Topics include CNC Fundamentals, mill and lathe manual programming, CNC practical applications, and CAD/CAM programming. The program emphasizes a combination of CNC theory and practical application necessary for successful employment.

\* Hazlehurst Annex Location

## Other Conditions for Admission

\* Student must have completed the Machine Tool Technology diploma program or have 3-5 years' experience at the machinist level.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
AMCA 2110	CNC Fundamentals	4
AMCA 2130	CNC Mill Manual Programming	5
AMCA 2150	CNC Lathe Manual Programming	5
AMCA 2170	CNC Practical Applications	4
AMCA 2190	CAD/CAM Programming	4
<b>Minimum Credit Hours for Graduation:</b>		<b>22</b>

**Minimum Credit Hours for Graduation: 22**

## Metals Technician ME31

The Metals Technician TCC is a series of courses that prepare a student for general knowledge of maintenance and repair of machinery by combining machine shop courses with welding courses. A student will learn to operate lathes (lathe safety, threading, tapers, bearing shafts, etc.) and milling machines (indicating vises, cutting keyways, squaring parts, etc.) as well as basic welding theory, safety and operating procedures (hand tool and power machine use, measurement, welding power sources, welding codes and standards) and advanced techniques (set up; transfer modes; wire selection; shielded gas selection) required for successful gas metal arc welding.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
MCHT 1011	Introduction to Machine Tool	4
MCHT 1119	Lathe Operations I	4
MCHT 1120	Mill Operations I	4
WELD 1000	Introduction to Welding Technology	4
WELD 1090	Gas Metal Arc Welding	4
<b>Minimum Credit Hours for Graduation:</b>		<b>20</b>

**Minimum Credit Hours for Graduation: 20**

# Marketing

## Marketing Management MM13

The Marketing program is designed to prepare students for employment in a variety of positions in today's marketing and management fields. The Marketing program provides learning opportunities that introduce, develop, and reinforce academic and occupational knowledge, skills, and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to upgrade present knowledge and skills or to retrain in the area of marketing. Graduates of the program receive a Marketing degree with specializations in marketing management, entrepreneurship, or retail management.

**\* Students must choose one of the following Specializations:**

- Marketing Management Specialization 8MM3
- Entrepreneurship Specialization 8EN3
- Retail Management Specialization 8RM3

**Type:** Associate of Applied Science, AAS

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Area I - Language Arts/Communications

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area II - Social/Behavioral Sciences

Item #	Title	Credits
	Area II - Social/Behavioral Sciences	
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area III - Natural Sciences/Mathematics

Item #	Title	Credits
	Area III - Natural Sciences/Mathematics	
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area IV - Humanities and Fine Arts

Item #	Title	Credits
	Area IV - Humanities/Fine Arts	
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Specific General Education Core Elective

\* Choose an additional course from the complete Area I, II, III, or IV listings:

- [General Education Courses](#)

**Minimum Credit Hours for Graduation: 3**

## Occupational Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
COMP 1000	Introduction to Computer Literacy	3
MGMT 1100	Principles of Management	3
ACCT 1100	Financial Accounting I	4
MKTG 1100	Principles of Marketing	3
MKTG 1160	Professional Selling	3
MKTG 1190	Integrated Marketing Communication	3
MKTG 2090	Marketing Research	3
	Elective (3 credits +)	3
<b>Minimum Credit Hours for Graduation:</b>		<b>25</b>

## Digital Presentation Selection

\* Choose one of the following courses:

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
BUSN 1190	Digital Technologies in Business	2
BUSN 1430	Desktop Publishing & Presentation Applications	4
MKTG 2030	Digital Publishing and Design	3
<b>Minimum Credit Hours for Graduation:</b>		<b>2-4</b>

## Marketing Selection

\* Choose two of the following courses:

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
MKTG 2000	Global Marketing	3
MKTG 2290	Marketing Internship/Practicum	3
MKTG 2300	Marketing Management	3
<b>Minimum Credit Hours for Graduation:</b>		<b>6</b>

## Business Selection

\* Choose one of the following courses:

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ACCT 2140	Legal Environment of Business	3
MKTG 1130	Business Regulations and Compliance	3
PARA 1150	Contracts, Commercial Law, Business Organizations	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Marketing Management Specialization 8MM3

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
MKTG 1370	Consumer Behavior	3
MKTG 2060	Marketing Channels	3
MKTG 2070	Buying and Merchandising	3
	Marketing Elective	3
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

## Entrepreneurship Specialization 8EN3

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
MKTG 2010	Small Business Management	3
MKTG 2210	Entrepreneurship	6
MKTG 2070	Buying and Merchandising	3
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

## Retail Management Specialization 8RM3

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
MKTG 1270	Visual Merchandising	3
MKTG 1370	Consumer Behavior	3
MKTG 2070	Buying and Merchandising	3
MKTG 2270	Retail Operations Management	3
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

**Minimum Credit Hours for Graduation: 63**

## Marketing Management MM12

The Marketing program is designed to prepare students for employment in a variety of positions in today's marketing and management fields. The Marketing program provides learning opportunities that introduce, develop, and reinforce academic and occupational knowledge, skills, and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to upgrade present knowledge and skills or to retrain in the area of marketing. Graduates of the program receive a diploma with specializations in marketing management, entrepreneurship, or retail management.

### \* Students must choose one of the following Specializations:

- Marketing Management Specialization 8MM3
- Entrepreneurship Specialization 8EN3
- Retail Management Specialization 8RM3

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra



## Basic Skills Courses

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
	EMPL 1000 or PSYC 1010	2-3
	MATH 1011 or MATH 1012	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>8-9</b>

## Occupational Courses

Item #	Title	Credits
MKTG 1100	Principles of Marketing	3
MKTG 1160	Professional Selling	3
MKTG 1190	Integrated Marketing Communication	3
MKTG 2090	Marketing Research	3
	Guided Electives 3+	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>15</b>

## Technology Publishing Selection

\* Choose one of the following courses:

Item #	Title	Credits
BUSN 1190	Digital Technologies in Business	2
BUSN 1430	Desktop Publishing & Presentation Applications	4
COMP 1000	Introduction to Computer Literacy	3
MKTG 2030	Digital Publishing and Design	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>2-4</b>

## Marketing Selection

\* Choose one of the following options:

Item #	Title	Credits
MKTG 2290	Marketing Internship/Practicum	3
MKTG 2300	Marketing Management	3
	Guided Electives 3+	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Regulation and Law Selection

\* Choose one of the following courses:

Item #	Title	Credits
ACCT 2140	Legal Environment of Business	3
MKTG 1130	Business Regulations and Compliance	3
PARA 1150	Contracts, Commercial Law, Business Organizations	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Marketing Management Specialization 8MM3

Item #	Title	Credits
MKTG 1370	Consumer Behavior	3
MKTG 2060	Marketing Channels	3
MKTG 2070	Buying and Merchandising	3
	Marketing Elective	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>12</b>

## Entrepreneurship Specialization 8EN3

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
MKTG 2210	Entrepreneurship	6
MKTG 2010	Small Business Management	3
MKTG 2070	Buying and Merchandising	3
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

## Retail Management Specialization 8RM3

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
MKTG 1270	Visual Merchandising	3
MKTG 1370	Consumer Behavior	3
MKTG 2070	Buying and Merchandising	3
MKTG 2270	Retail Operations Management	3
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

**Minimum Credit Hours for Graduation: 43**

## Retail Merchandise Manager RMM1

The Retail Merchandise Manager certificate is designed to prepare students to plan and supervise the purchase and marketing of merchandise in a broad area. In department store chains, with numerous stores, many of the buying and merchandising functions are centralized in one location. Managers decide which merchandise is best for their own stores.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
MKTG 1270	Visual Merchandising	3
MKTG 1370	Consumer Behavior	3
MKTG 2070	Buying and Merchandising	3
MKTG 2270	Retail Operations Management	3
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

## Management Selection

\* Choose one of the following courses:

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
MGMT 1100	Principles of Management	3
MKTG 2010	Small Business Management	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

**Minimum Credit Hours for Graduation: 15**

## Small Business Marketing Manager SB51

This program prepares individuals to develop and manage independent small businesses. Included are courses in marketing, management, selling, promotion, and business regulations.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
MKTG 1100	Principles of Marketing	3
MKTG 1130	Business Regulations and Compliance	3
MKTG 1160	Professional Selling	3
MKTG 1190	Integrated Marketing Communication	3
MKTG 2010	Small Business Management	3
<b>Minimum Credit Hours for Graduation:</b>		<b>15</b>

**Minimum Credit Hours for Graduation: 15**

## Technical Management Specialist TMS1

The Technical Management Specialist Certificate is designed to build upon a student's previously achieved TCC, Diploma or Associate Degree and add the management component to their education. Learning opportunities will introduce, develop and reinforce students' knowledge, skills and attitudes required to work in the student's current area of expertise.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
MGMT 1100	Principles of Management	3
MGMT 2115	Human Resource Management	3
	Specific Occupational-Guided Electives (12 credits)	12
	MGMT 1110, MGMT 2120, or MKTG 1130	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>24</b>
	<b>Minimum Credit Hours for Graduation:</b>	<b>24</b>

## Medical Assisting

### Medical Assisting MA22

The Medical Assisting program prepares students for employment in a variety of positions in today's medical offices. The Medical Assisting program provides learning opportunities which introduce, develop, and reinforce academic and occupational knowledge, skills, and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to upgrade present knowledge and skills or to retrain in the area of medical assisting. Graduates of the program receive a Medical Assisting diploma.

## Program Accreditation

Medical Assisting, Waycross Campus, is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Medical Assisting Education Review Board (MAERB).

Commission on Accreditation of Allied Health Education Programs

1361 Park Street  
Clearwater FL 33756  
Phone 727-210-2350  
[www.caahep.org](http://www.caahep.org)

The minimum expectation goal is to prepare competent entry-level medical assistants in the cognitive, psychomotor, and affective learning domains. All domains are taught and assessed as outlined by the Medical Assisting Education Review Board (MAERB).

## Certification Information

Graduates of the Waycross campus program are eligible to take the Certified Medical Assistant (CMA) certification exam offered by the Certifying Board of the American Association of Medical Assistants (AAMA) as well as the RMA via the American Medical Technologist.

Graduates of the Golden Isles campus program are eligible to take the Registered Medical Assistant (RMA) certification exam via the American Medical Technologist (AMT) or the National Certified Medical Assistant certification exam via the National Center for Competency Testing (NCCT).

## Exam Passage Rate

According to the 2018 Medical Assisting Education Review Board (MAERB) Annual Report, the average outcome for Exam Passage is 88.89% for the 2016 graduation cohort.

## Other Conditions for Admission

Criminal background checks and drug screens may be required based on the requirements for participation in clinical experiences.

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## General Education Courses

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
MATH 1012	Foundations of Mathematics	3
PSYC 1010	Basic Psychology	3
<b>Minimum Credit Hours for Graduation:</b>		<b>9</b>

## Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
ALHS 1011	Structure & Function of the Human Body	5
ALHS 1090	Medical Terminology for AHS	2
MAST 1010	Legal & Ethical Concerns	2
MAST 1030	Pharmacology in the Medical Office	4
MAST 1060	Medical Office Procedures	4
MAST 1080	Medical Assisting Skills	4
MAST 1090	Medical Assisting Skills II	4
MAST 1100	Medical Insurance Management	2
MAST 1110	Administrative Practice Management	3
MAST 1170	Medical Assisting Externship	6
MAST 1180	Medical Assisting Seminar	3
MAST 1120	Human Disease	3
<b>Minimum Credit Hours for Graduation:</b>		<b>45</b>
<b>Minimum Credit Hours for Graduation:</b>		<b>54</b>

## Naval Apprenticeship

### Naval Electrician Apprenticeship EW/11

This TCC provides the student with knowledge and skills to enter the job market in a variety of industrial settings. This TCC builds on the knowledge and skills learned in the naval Maintenance Apprenticeship TCC. This TCC is designed as a specialty area for students working at Trident Refit Facility in Camden County. Upon completion of this TCC, students are eligible to move into one of the specialty areas in the Industrial Systems Technology diploma group.

### Other Conditions for Admission

Must have completed the Naval Maintenance Apprenticeship TCC and be a current employee of Trident Refit Facility.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
IDSY 1110	Industrial Motor Controls I	4
IDSY 1130	Industrial Wiring	4
IDSY 1210	Industrial Motor Controls II	4
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

## AC Course

\* Choose one of the following:

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ELTR 1020	Alternating Current Fundamentals	3
IDFC 1012	Alternating Current I	3
IDSY 1105	AC Circuit Analysis	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## DC Course

\* Choose one of the following:

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
IDFC 1011	Direct Current I	3
IDSY 1101	DC Circuit Analysis	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

**Minimum Credit Hours for Graduation: 18**

## Naval Maintenance Apprenticeship NM11

This TCC is designed as a specialty area for students employed at Trident Refit Facility. Upon completion of this TCC, students are eligible to move into other specialty diploma areas such as Machine Tool or Industrial Systems Technology.

## Other Conditions for Admission

Student must be employed at Trident Refit Facility as a Naval Apprentice.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ENGL 1101	Composition and Rhetoric	3
ENGL 1105	Workplace and Technical Communications	3
MATH 1111	College Algebra	3
MATH 1112	College Trigonometry	3
MGMT 1115	Leadership	3
WELD 1030	Blueprint Reading for Welding Technology	4
	PHYS 1111 (+ lab) or IDSY 1170	4
	Occupational Elective (3 hrs)	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>26</b>
	<b>Minimum Credit Hours for Graduation:</b>	<b>26</b>

## Neuromuscular Massage Therapy

### Neuromuscular Massage Therapist NT12

The Neuromuscular Therapist program consists of a sequence of courses that prepares students for careers in the field of Neuromuscular Therapy. Learning opportunities develop academic and professional knowledge and skills required for job acquisition, retention, and advancement. Curriculum fundamentals, Swedish massage, musculoskeletal anatomy, identification of diseases and conditions, medical documentation, and client care prepare the graduate for an entry level position. Specialized training in nervous system pathology, postural analysis, neuromuscular therapy, muscle energy techniques, myofascial release and clinical reasoning establish this program and its graduates as specialists in their field. Program graduates receive a Neuromuscular Therapy diploma, which qualifies them to take the Massage and Bodywork Licensing Examination (MBLEx) offered by the Federation of State Massage Therapy Boards and apply for Georgia Licensure through The Georgia Board of Massage Therapy.

### Program Approval

The Neuromuscular Massage Therapist program is a Georgia Board of Massage Therapy Recognized Massage Therapy Program. The Neuromuscular Massage Therapist program is also recognized by the National Certification Board for Therapeutic Massage and Bodywork (NCBTMB) as an Assigned School.

### Licensure Information

Graduates of the program are eligible to sit for the Massage and Bodywork Licensing Examination (MBLEx) required to obtain licensure as a Licensed Massage Therapist in Georgia.

### Location Notes:

- Golden Isles - Day Cohort Program - Accepting Students Yearly in Fall Semester
- Waycross - Night Cohort Program - Accepting Students Biyearly in Fall or Spring Semester

**Type:** Diploma

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required



Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### General Education Courses

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
PSYC 1010	Basic Psychology	3
	MATH 1011 or MATH 1012	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>9</b>

### Occupational Courses

Item #	Title	Credits
ALHS 1011	Structure & Function of the Human Body	5
ALHS 1090	Medical Terminology for AHS	2
NEUT 1001	Musculoskeletal Anatomy & Physiology I	4
NEUT 1005	Musculoskeletal Anatomy & Physiology II	4
NEUT 1010	Neural Science	3
NEUT 1020	Pathology/Neuromuscular Therapy	3
NEUT 1030	Neuromuscular Therapy Fundamentals	3
NEUT 1050	Technique and Theory I	5
NEUT 1060	Clinic I	2
NEUT 1080	Techniques and Theory II	3
NEUT 1081	Techniques and Theory III	3
NEUT 1100	Adjunctive Modalities	3
NEUT 1110	Licensure Review	3
NEUT 1120	Clinic II	2
NEUT 1230	Professional Leadership for Neuromuscular Therapy	2
	<b>Minimum Credit Hours for Graduation:</b>	<b>47</b>

**Minimum Credit Hours for Graduation: 56**

## Paralegal

### Paralegal Studies PS13

The Paralegal Studies program is a sequence of courses that prepares students for positions in the paralegal profession. Learning opportunities develop academic, technical and professional knowledge and skills required for job acquisition, retention, and advancement. The knowledge and skills emphasized in this program include ethical obligations; research in state and federal law; legal correspondence preparation; family law matters; basic concepts of real property law, criminal law and procedure, civil litigation, tort law, and substantive contract law; and wills, trusts, and probate. The program of study emphasizes opportunities that provide students with specialized legal knowledge and skills required to aid lawyers in the delivery of legal services. Program graduates receive a Paralegal Studies Associate of Applied Technology degree.

### Unauthorized Practice of Law

The goal of the Paralegal Studies Program is to train students in a variety of legal practice areas, analysis, reasoning and effective communication with the students successfully adapting these skills to professional legal

environments. Paralegals shall not engage in the unauthorized practice of law as proscribed by the Official Code of Georgia §15-19-51 and must work under the supervision and direction of an attorney in good standing with the State Bar of Georgia.

**Type:** Associate of Applied Science, AAS

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Area I - Language Arts/Communications

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
SPCH 1101	Public Speaking	3
<b>Minimum Credit Hours for Graduation:</b>		<b>6</b>

## Area II - Social/Behavioral Sciences

Item #	Title	Credits
Area II - Social/Behavioral Sciences		
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area III - Natural Sciences/Mathematics

Item #	Title	Credits
Area III - Natural Sciences/Mathematics		
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area IV - Humanities/Fine Arts

Item #	Title	Credits
Area IV - Humanities/Fine Arts		
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Specific General Education Core Elective

\* Choose an additional course from the complete Area I, II, III, or IV listings:

- [General Education Courses](#)

**Minimum Credit Hours for Graduation: 3**

## Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
PARA 1100	Introduction to Law and Ethics	3
PARA 1115	Family Law	3
PARA 1105	Legal Research & Writing I	3
PARA 1110	Legal Research & Writing II	3
PARA 1125	Criminal Law and Procedure	3
PARA 1140	Tort Law	3
PARA 1150	Contracts, Commercial Law, Business Organizations	3
PARA 1120	Real Estate Law	3
PARA 1130	Civil Litigation	3
PARA 1135	Wills, Trusts, Probate and Administration	3
PARA 1145	Law Office Management	3
	PARA 2200 or PARA 2210	6
	<b>Minimum Credit Hours for Graduation:</b>	<b>42</b>

## Guided Electives

\* Choose 9 credits from the following courses:

Item #	Title	Credits
PARA 2215	Paralegal Internship II	6
PARA 1205	Constitutional Law	3
PARA 1210	Legal & Policy Issues in Healthcare	3
PARA 2205	Advanced Legal Research & Writing	3
PARA 1215	Administrative Law	3
ENGL 1105	Workplace and Technical Communications	3
PARA 1200	Bankruptcy/Debtor-Creditor Relations	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>9</b>

**Minimum Credit Hours for Graduation: 69**

## Paralegal Studies PS12

The Paralegal Studies program is a sequence of courses that prepares students for positions in the paralegal profession. Learning opportunities develop academic, technical and professional knowledge and skills required for job acquisition, retention, and advancement. The knowledge and skills emphasized in this program include ethical obligations; research state and federal law; legal correspondence preparation; family law matters; criminal law and procedure, and tort law. The program of study emphasizes opportunities that provide students with specialized legal knowledge and skills required to aid lawyers in the delivery of legal services. Program graduates receive a Paralegal Studies Diploma.

## Unauthorized Practice of Law

The goal of the Paralegal Studies Program is to train students in a variety of legal practice areas, analysis and reasoning and effective communication with the students successfully adapting these skills to professional legal environments. Paralegals shall not engage in the unauthorized practice of law as proscribed by the Official Code of Georgia §15-19-51 and must work under the supervision and direction of an attorney in good standing with the State Bar of Georgia.

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## General Education Courses

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
	MATH 1100, 1101, 1103, or 1111	3
	EMPL 1000, PSYC 1010, or PSYC 1101	2-3
	<b>Minimum Credit Hours for Graduation:</b>	<b>8-9</b>

## Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
PARA 1100	Introduction to Law and Ethics	3
PARA 1115	Family Law	3
PARA 1105	Legal Research & Writing I	3
PARA 1145	Law Office Management	3
PARA 1140	Tort Law	3
PARA 1125	Criminal Law and Procedure	3
PARA 1110	Legal Research & Writing II	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>24</b>

## Paralegal Selection

\* Choose **two** of the following courses:

Item #	Title	Credits
PARA 1200	Bankruptcy/Debtor-Creditor Relations	3
PARA 1135	Wills, Trusts, Probate and Administration	3
PARA 1205	Constitutional Law	3
PARA 1210	Legal & Policy Issues in Healthcare	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>6</b>

**Minimum Credit Hours for Graduation: 38**

## Paralegal Fundamentals PF21

The Paralegal Studies program is a sequence of courses that prepares students for positions in the paralegal profession. Learning opportunities develop academic, technical and professional knowledge and skills required for job acquisition, retention, and advancement. The knowledge and skills emphasized in this program include ethical obligations; research state and federal law; legal correspondence preparation; family law matters;

criminal law and procedure, and tort law. The program of study emphasizes opportunities that provide students with specialized legal knowledge and skills required to aid lawyers in the delivery of legal services. Program graduates receive a Paralegal Studies Diploma.

## Unauthorized Practice of Law

The goal of the Paralegal Studies Program is to train students in a variety of legal practice areas, analysis and reasoning and effective communication with the students successfully adapting these skills to professional legal environments. Paralegals shall not engage in the unauthorized practice of law as proscribed by the Official Code of Georgia §15-19-51 and must work under the supervision and direction of an attorney in good standing with the State Bar of Georgia.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
PARA 1100	Introduction to Law and Ethics	3
PARA 1115	Family Law	3
PARA 1125	Criminal Law and Procedure	3
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

**Minimum Credit Hours for Graduation: 12**

## Paramedicine

### EMS Professions EP12

Students who complete the EMS Professions diploma will be able to fluidly move into the paramedicine program at the diploma level. Successful completion of the program allows the graduate to take the National Registry of Emergency Medical Technicians AEMT certification examination and to apply for Georgia licensure as an AEMT. The primary focus of the Advanced Emergency Medical Technician is to provide basic and limited advanced emergency medical care and transportation for critical and emergent patients who access the emergency medical system. This individual possesses the basic knowledge and skills necessary to provide patient care and transportation. Advanced Emergency Medical Technicians function as part of a comprehensive EMS response, under medical oversight. Advanced Emergency Medical Technicians perform interventions with the basic and advanced equipment typically found on an ambulance. The Advanced Emergency Medical Technician is a link from the scene to the emergency health care system.

## Program Approval

The EMS Professions program is approved by the Georgia Department of Public Health, Office of Emergency Medical Services and Trauma (SOEMST).

## Licensure/Certification Information

Upon successful completion of the EMS Professions diploma, students may be able to sit for the National Registry of Emergency Medical Technicians (NREMT) AEMT certification examination. <http://www.nremt.org/>

After successful completion of the NREMT examination for AEMT, students may apply for Georgia state licensure through the State Office of Emergency Medical Services and Trauma(SOEMST). <http://ems.ga.gov/>

## Other Conditions for Admission

Criminal background checks and drug screens may be required based on the requirements for participation in clinical experiences.

To complete the AEMT portion: Submit documentation of current certification and/or licensure as an: EMT or EMT-Basic (with successful completion of Georgia State Office of Emergency Medical Services and Trauma (SOEMST) EMT-B to EMT update course); or proof of successful completion of EMSP 1110, EMSP 1120, EMSP 1130, EMSP 1140, EMSP 1150, AND EMSP 1160.

**Location Note** - Classes may also be offered on the following campuses:

- Alma, Baxley, and Jesup

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## General Education Courses

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
MATH 1012	Foundations of Mathematics	3
PSYC 1010	Basic Psychology	3
<b>Minimum Credit Hours for Graduation:</b>		<b>9</b>

## Occupational Courses

Item #	Title	Credits
ALHS 1011	Structure & Function of the Human Body	5
ALHS 1090	Medical Terminology for AHS	2
EMSP 1110	Introduction to the EMT Profession	3
EMSP 1120	Assess/Airway Management & Pharmacology	3
EMSP 1130	Medical Emergencies for the EMT	3
EMSP 1140	Special Patient Populations	3
EMSP 1150	Shock & Trauma for the EMT	3
EMSP 1160	Clinical & Practical Applications for the EMT	1
EMSP 1510	Advanced Concepts for the AEMT	3
EMSP 1520	Advanced Patient Care for the AEMT	3
EMSP 1530	Clinical Applications for the AEMT	1
EMSP 1540	Clinical & Practical Applications for the AEMT	3
<b>Minimum Credit Hours for Graduation:</b>		<b>33</b>

**Minimum Credit Hours for Graduation: 42**

## Paramedicine PT12

The Paramedicine diploma program prepares students to provide advanced emergency medical care for critical and emergent patients who access the emergency medical system. This individual possesses the complex knowledge and skills necessary to provide patient care and transportation. Paramedics function as part of a comprehensive EMS response, under medical oversight. Paramedics perform interventions with the basic and advanced equipment typically found on an ambulance. The Paramedic is a link from the scene into the health care system. The Paramedicine diploma program prepares students for employment in paramedic positions in today's health services field. The Paramedic diploma program provides learning opportunities that introduce, develop, and reinforce academic and occupational knowledge, skills, and attitudes required for job acquisition, retention, and advancement. The program provides opportunities to upgrade present knowledge and skills from the EMT/EMT-I 1985/AEMT levels to a paramedic level. Successful completion of the program allows the graduate to take the National Registry of Emergency Medical Technicians (NREMT) Paramedic certification examination and apply for Georgia licensure with the State Office of Emergency Medical Service and Trauma SOEMST as a paramedic. Criminal background checks and drug screens may be required based on the requirements for participation in clinical experiences.

## Program Approval

The Paramedicine program is approved by the Georgia Department of Public Health, Office of Emergency Medical Services and Trauma (SOEMST). The program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) for the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

## Licensure/Certification Information

Graduates of the Paramedicine program are eligible to sit for the National Registry of Emergency Medical Technicians (NREMT), Paramedic certification and apply for Georgia licensure with the State Office of Emergency Medical Service and Trauma (SOEMST) as a paramedic.

## Other Conditions for Admission

Hold certifications and/or licensure as an:

EMT I/85 (with successful completion of Georgia State Office of Emergency Medical Services and Trauma (SOEMST) EMT I to AEMT course); EMT I/gg; or AEMT. Criminal background checks and drug screens may be required based on the requirements for participation in clinical experiences.

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## General Education Course

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
MATH 1012	Foundations of Mathematics	3
PSYC 1010	Basic Psychology	3
<b>Minimum Credit Hours for Graduation:</b>		<b>9</b>

## Occupational Courses

Item #	Title	Credits
ALHS 1011	Structure & Function of the Human Body	5
EMSP 2110	Foundations of Paramedicine	3
EMSP 2120	Applications of Pathophysiology for Paramedics	3
EMSP 2130	Advanced Resuscitative Skills	3
EMSP 2140	Advanced Cardiovascular Concepts	4
EMSP 2310	Therapeutic Modalities of Cardiovascular Care	3
EMSP 2320	Therapeutic Modalities of Medical Care	5
EMSP 2330	Therapeutic Modalities of Trauma Care	4
EMSP 2340	Therapeutic Modalities of Special Patient Populations	4
EMSP 2510	Clinical Applications for Paramedic I	2
EMSP 2520	Clinical Applications for Paramedic II	2
EMSP 2530	Clinical Applications for Paramedic III	2
EMSP 2540	Clinical Applications for Paramedic IV	1
EMSP 2550	Clinical Applications for Paramedic V	1
EMSP 2560	Clinical Applications for Paramedic Vi	1
EMSP 2570	Clinical Applications for Paramedic VII	1
EMSP 2710	Field Internship for Paramedic	2
EMSP 2720	Practical Applications for Paramedic	3
<b>Minimum Credit Hours for Graduation:</b>		<b>49</b>

**Minimum Credit Hours for Graduation: 58**

## Advanced Emergency Medical Tech (AEMT) EMH1

The Advanced Emergency Medical Technician certificate program prepares students to provide basic and limited advanced emergency medical care and transportation for critical and emergent patients who access the emergency medical system. This individual possesses the basic knowledge and skills necessary to provide patient care and transportation. Advanced Emergency Medical Technicians function as part of a comprehensive



EMS response, under medical oversight. Advanced Emergency Medical Technicians perform interventions with the basic and advanced equipment typically found on an ambulance. The Advanced Emergency Medical Technician is a link from the scene to the emergency health care system. Successful completion of the program allows the graduate to take the National Registry of Emergency Medical Technicians AEMT certification examination and apply for Georgia licensure as an AEMT.

## Program Approval

The Advanced Emergency Medical Technician (AEMT) program is approved by Georgia Department of Public Health, Office of Emergency Medical Services and Trauma (SOEMST).

## Licensure/Certification Information

Graduates of the Advanced Emergency Medical Technician (AEMT) program are eligible to sit for the National Registry of Emergency Medical Technicians AEMT certification examination and apply for Georgia licensure as an AEMT.

Submit documentation of current certification and/or licensure as an: EMT or EMT-Basic (with successful completion of Georgia State Office of Emergency Medical Services and Trauma (SOEMST) EMT-B to AEMT update course); or proof of successful completion of EMSP 1110, EMSP 1120, EMSP 1130, EMSP 1140, EMSP 1150, and EMSP 1160.

## Other Conditions of Admission

Criminal background checks and drug screens may be required based on the requirements for participation in clinical experiences.

**Location Note** - Classes may be offered at the following campuses:

- Alma, Baxley, Brunswick, Jesup

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
EMSP 1510	Advanced Concepts for the AEMT	3
EMSP 1520	Advanced Patient Care for the AEMT	3
EMSP 1530	Clinical Applications for the AEMT	1
EMSP 1540	Clinical & Practical Applications for the AEMT	3
<b>Minimum Credit Hours for Graduation:</b>		<b>10</b>

**Minimum Credit Hours for Graduation: 10**

## Emergency Medical Technician (EMT) EMJ1

The Emergency Medical Technician certificate program prepares students to provide basic emergency medical care and transportation for critical and emergent patients who access the emergency medical system. This individual possesses the basic knowledge and skills necessary to provide patient care and transportation. Emergency Medical Technicians function as part of a comprehensive EMS response, under medical oversight. Emergency Medical Technicians perform interventions with the basic equipment typically found on an ambulance. The Emergency Medical Technician is a link from the scene to the emergency health care system. Successful completion of the program allows the graduate to take the National Registry of Emergency Medical Technicians EMT certification examination and apply for Georgia licensure as an EMT. Criminal background checks and drug screens may be required based on the requirements for participation in clinical experiences.

## Program Approval

The Emergency Medical Technician (EMT) program is approved by Georgia Department of Public Health, Office of Emergency Medical Services and Trauma (SOEMST).

## Licensure/Certification Information

Graduates of the Emergency Medical Technician (EMT) program are eligible to sit for the National Registry of Emergency Medical Technicians EMT certification examination and apply for Georgia licensure as an EMT.

## Other Conditions of Admission

Criminal background checks and drug screens may be required based on the requirements for participation in clinical experiences.

**Location Note** - Classes may also be offered at the following locations:

- Alma, Baxley, Brunswick, Jesup

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
EMSP 1110	Introduction to the EMT Profession	3
EMSP 1120	Assess/Airway Management & Pharmacology	3
EMSP 1130	Medical Emergencies for the EMT	3
EMSP 1140	Special Patient Populations	3
EMSP 1150	Shock & Trauma for the EMT	3
EMSP 1160	Clinical & Practical Applications for the EMT	1
	<b>Minimum Credit Hours for Graduation:</b>	<b>16</b>

## Pre-hospital EMS Operations PEO1

The Prehospital EMS Operations certificate program combines Emergency Medical Technician and Advanced Emergency Medical Technician. This certificate prepares students to provide basic and limited advanced emergency medical care and transportation for critical and emergent patients who access the emergency medical system. This individual possesses the basic knowledge and skills necessary to provide patient care and transportation. This certificate allows the graduate to function as part of a comprehensive EMS response, under medical oversight. Advanced Emergency Medical Technicians perform interventions with the basic and advanced equipment typically found on an ambulance. The Advanced Emergency Medical Technician is a link from the scene to the emergency health care system. Successful completion of the program allows the graduate to take the National Registry of Emergency Medical Technicians AEMT certification examination and apply for Georgia licensure as an AEMT.

## Program Approval

The Advanced Emergency Medical Technician (AEMT) program is approved by Georgia Department of Public Health, Office of Emergency Medical Services and Trauma (SOEMST).

## Licensure/Certification Information

Upon successful completion of EMSP 1110, 1120, 1130, 1150 and 1160, students may be able to sit for the National Registry of Emergency Medical Technicians (NREMT) EMT certification examination. <http://www.nremt.org/>

After successful completion of the NREMT examination for EMT, students may apply for Georgia state licensure through the State Office of Emergency Medical Services and Trauma(SOEMST). <http://ems.ga.gov/>

Upon successful completion EMSP 1110, 1120, 1130, 1140, 1150, 1160, 1510, 1520 1530 and 1540, students may be able to sit for the National Registry of Emergency Medical Technicians (NREMT) AEMT certification examination. <http://www.nremt.org/>

After successful completion of the NREMT examination for AEMT, students may apply for Georgia state licensure through the State Office of Emergency Medical Services and Trauma(SOEMST). <http://ems.ga.gov/>

## Other Conditions of Admission

Submit documentation of current certification and/or licensure as an: EMT or EMT-Basic (with successful completion of Georgia State Office of Emergency Medical Services and Trauma (SOEMST) EMT-B to AEMT update course); or proof of successful completion of EMSP 1110, EMSP 1120, EMSP 1130, EMSP 1140, EMSP 1150, and EMSP 1160. Criminal background checks and drug screens may be required based on the requirements for participation in clinical experiences.

**Location Note** - Classes may also be offered on the following campuses:

- Alma, Baxley, Brunswick, Jesup

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Required Courses

Item #	Title	Credits
EMSP 1110	Introduction to the EMT Profession	3
EMSP 1120	Assess/Airway Management & Pharmacology	3
EMSP 1130	Medical Emergencies for the EMT	3
EMSP 1140	Special Patient Populations	3
EMSP 1150	Shock & Trauma for the EMT	3
EMSP 1160	Clinical & Practical Applications for the EMT	1
EMSP 1510	Advanced Concepts for the AEMT	3
EMSP 1520	Advanced Patient Care for the AEMT	3
EMSP 1530	Clinical Applications for the AEMT	1
EMSP 1540	Clinical & Practical Applications for the AEMT	3
<b>Minimum Credit Hours for Graduation:</b>		<b>26</b>
<b>Minimum Credit Hours for Graduation:</b>		<b>26</b>

## Phlebotomy

### Phlebotomy Technician PT21

The Phlebotomy Technician program educates students to collect blood and process blood and body fluids. Phlebotomy technicians typically work in concert with clinical laboratory personnel and other healthcare providers in hospitals or other healthcare facilities. Topics covered include human anatomy, anatomical terminology, venipuncture, and clinical practice.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
COMP 1000	Introduction to Computer Literacy	3
ALHS 1011	Structure & Function of the Human Body	5
ALHS 1090	Medical Terminology for AHS	2
ALHS 1040	Introduction to Health Care	3
PHLT 1030	Introduction to Venipuncture	3
PHLT 1050	Clinical Practice	5
<b>Minimum Credit Hours for Graduation:</b>		<b>24</b>

**Minimum Credit Hours for Graduation: 24**

## Practical Nursing & Related

### Nursing NH73

Registered nurses fulfill a variety of job duties. RN job functions include performing diagnostic tests and analyzing results, administering medications, operating medical equipment, recording patients' symptoms and medical histories, and assisting with patient rehabilitation and follow-up. Currently Georgia is experiencing a huge shortage in Nursing and Southern Georgia is no exception. Students who successfully complete the ASN Program with Coastal Pines Technical College will have an excellent opportunity to enter the workforce in the area that they live as well as meet the workforce demands in the medical field.

**Type:** Associate of Science, AS

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Area I - Language Arts/Communications

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Area II - Social/Behavioral Sciences

Item #	Title	Credits
PSYC 1101	Introductory Psychology	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Area III - Natural Sciences/Mathematics

Item #	Title	Credits
MATH 1111	College Algebra	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Area IV - Humanities and Fine Arts

\* Complete at least one of the following:

Item #	Title	Credits
ARTS 1101	Art Appreciation	3
HUMN 1101	Introduction to Humanities	3
MUSC 1101	Music Appreciation	3
RELG 1101	World Religion	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### General Education Core Electives

\* Complete at least one of the following (not already taken in Area IV):

Item #	Title	Credits
ARTS 1101	Art Appreciation	3
ENGL 1102	Literature and Composition	3
HUMN 1101	Introduction to Humanities	3
MATH 1113	Precalculus	3
POLS 1101	American Government	3
SOCI 1101	Introduction to Sociology	3
RELG 1101	World Religion	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Biology Core

Item #	Title	Credits
BIOL 2113	Anatomy and Physiology I	3
BIOL 2113L	Anatomy & Physiology Lab I	1
BIOL 2114	Anatomy and Physiology II	3
BIOL 2114L	Anatomy & Physiology Lab II	1
BIOL 2117	Introductory Microbiology	3
BIOL 2117L	Introductory Microbiology Lab	1
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

### Occupational Courses

Item #	Title	Credits
RNSG 2021	Fundamentals of Nursing	7
RNSG 2022	Mental Health Nursing	5
RNSG 2023	Medical Surgical Nursing I	6
RNSG 2024	Pharmacology in Nursing	3
RNSG 2029	Medical Surgical Nursing II	6
RNSG 2031	Maternal/Pediatric Nursing	7
RNSG 2033	Medical Surgical Nursing III	6
<b>Minimum Credit Hours for Graduation:</b>		<b>40</b>

**Minimum Credit Hours for Graduation: 67**

## Practical Nursing PN12

The Practical Nursing diploma program is designed to prepare students to write the NCLEX-PN for licensure as practical nurses. The program prepares graduates to give competent nursing care. This is done through a selected number of academic and occupational courses providing a variety of techniques and materials necessary to assist the student in acquiring the needed knowledge and skills to give competent care. A variety of clinical experiences is planned so that theory and practice are integrated under the guidance of the clinical instructor. Program graduates receive a practical nursing diploma and have the qualifications of an entry-level practical nurse. Students most commonly will have to submit a satisfactory criminal background check as well as a drug screen in order to be placed in a clinical health care facility to complete the clinical portions of their educational training.

## Program Approval

The Practical Nursing program is approved by the Georgia Board of Examiners of Licensed Practical Nurses.

<http://sos.georgia.gov/plb/lpn>

## Licensure Information

Graduates of the program are eligible to sit for the NCLEX-PN licensure required to obtain licensure as a Georgia LPN.

## Other Conditions for Admission

Students most commonly will have to submit a satisfactory criminal background check as well as drug screen in order to be placed in a clinical healthcare facility to complete the clinical portions of their educational training.

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## General Education Courses

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
MATH 1012	Foundations of Mathematics	3
PSYC 1010	Basic Psychology	3
<b>Minimum Credit Hours for Graduation:</b>		<b>9</b>

## Occupational Courses

Item #	Title	Credits
ALHS 1011	Structure & Function of the Human Body	5
ALHS 1090	Medical Terminology for AHS	2
PNSG 2010	Introduction to Pharmacology & Clinical Calculations	2
PNSG 2030	Nursing Fundamentals	6
PNSG 2035	Nursing Fundamentals Clinical	2
PNSG 2210	Medical Surgical Nursing I	4
PNSG 2220	Medical Surgical Nursing II	4
PNSG 2230	Medical Surgical Nursing III	4
PNSG 2240	Medical Surgical Nursing IV	4
PNSG 2310	Medical Surgical Nursing Clinical I	2
PNSG 2320	Medical Surgical Nursing Clinical II	2
PNSG 2330	Medical Surgical Nursing Clinical III	2
PNSG 2340	Medical Surgical Nursing Clinical IV	2
PNSG 2250	Maternity Nursing	3
PNSG 2255	Maternity Nursing Clinical	1
PNSG 2410	Nursing Leadership	1
PNSG 2415	Nursing Leadership Clinical	2
<b>Minimum Credit Hours for Graduation:</b>		<b>48</b>

**Minimum Credit Hours for Graduation: 57**

## Health Care Assistant HA21

The Health Care Assistant Certificate of Credit is a program that provides academic foundations at the diploma level in communications, mathematics, and human relations, as well as technical fundamentals. Program graduates are trained in the underlying fundamentals of health care delivery and are well prepared for employment and subsequent upward mobility.

**\* Students must complete one of the listed specializations**

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra



## Basic Skills and Occupational Courses

Item #	Title	Credits
ENGL 1010	Fundamentals of English I	3
PSYC 1010	Basic Psychology	3
COMP 1000	Introduction to Computer Literacy	3
ALHS 1011	Structure & Function of the Human Body	5
ALHS 1090	Medical Terminology for AHS	2
ALHS 1040	Introduction to Health Care	3
	MATH 1012 or MATH 1013	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>22</b>

## Nursing Specialization BNS1

Item #	Title	Credits
ALHS 1060	Diet & Nutrition for Allied Health Sciences	2
NAST 1100	Nurse Aide Fundamentals	6
	<b>Minimum Credit Hours for Graduation:</b>	<b>8</b>

## Phlebotomy Specialization 8PS1

Item #	Title	Credits
PHLT 1030	Introduction to Venipuncture	3
PHLT 1050	Clinical Practice	5
	<b>Minimum Credit Hours for Graduation:</b>	<b>8</b>

## Medical Assisting Specialization 8MA1

Item #	Title	Credits
BUSG 1440	Document Production	4
MAST 1060	Medical Office Procedures	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>8</b>

## Medical Office Support Specialization 8M31

Item #	Title	Credits
MAST 1010	Legal & Ethical Concerns	2
MAST 1060	Medical Office Procedures	4
MAST 1100	Medical Insurance Management	2
MAST 1110	Administrative Practice Management	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>11</b>

## Surgical Technology Specialization 8ST1

Item #	Title	Credits
SURG 1010	Introduction to Surgical Technology	8
SURG 1020	Principles of Surgical Technology	7
SURG 1080	Surgical Microbiology	2
	<b>Minimum Credit Hours for Graduation:</b>	<b>17</b>

**Minimum Credit Hours for Graduation: 30**

## Health Care Science HS21

The Health Care Science Certificate of Credit is a program that provides academic foundations at the degree level in communications, mathematics, and human relations, as well as technical fundamentals. Program graduates are trained in the underlying fundamentals of health care delivery and are well prepared for employment and subsequent upward mobility.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Area I - Language Arts/Communications

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Area II - Social/Behavioral Sciences

Item #	Title	Credits
PSYC 1101	Introductory Psychology	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Area III - Natural Sciences/Mathematics

Item #	Title	Credits
	Area III - Natural Sciences/Mathematics	
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Area IV - Humanities/Fine Arts

Item #	Title	Credits
	Area IV - Humanities/Fine Arts	
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Science and Occupational Group Selections

\* **Select a minimum of 24 credits from the following groups (with a minimum of 6 credits from each group)**

Item #	Title	Credits
	Specific HS21 Science and General Education Courses	6-18
	Specific HS21 Occupational Selections	6-18
	<b>Minimum Credit Hours for Graduation:</b>	<b>24</b>
	<b>Minimum Credit Hours for Graduation:</b>	<b>36</b>

## Nurse Aide CN21

The Nurse Aide Technical Certificate of Credit prepares students with classroom training and practice as well as the clinical experiences necessary to care for patients in various settings including general medical and surgical hospitals, nursing care facilities, community care facilities for the elderly, and home health care services.

Students who successfully complete the Nurse Aide Technical Certificate of Credit may be eligible to sit for the National Nurse Aide Assessment program (NNAAP) which determines competency to become enrolled in the State nurse aide registry.

## Program Approval

The Nurse Aide program is approved by the Georgia Medical Care Foundation.

## Certification Information

Upon successful completion of NAST 1100, students may apply to the National Nurse Aide Assessment Program (NNAAP) which determines competency to be enrolled in the Georgia State Nurse Aide registry.

## Other Conditions for Admission

Students enrolled in the Nurse Aide program may be required to successfully pass both criminal background checks and drug screening procedures to participate in clinical experiences with patients in licensed facilities.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

No

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
ALHS 1040	Introduction to Health Care	3
ALHS 1060	Diet & Nutrition for Allied Health Sciences	2
ALHS 1090	Medical Terminology for AHS	2
NAST 1100	Nurse Aide Fundamentals	6
<b>Minimum Credit Hours for Graduation:</b>		<b>13</b>

**Minimum Credit Hours for Graduation: 13**

## Radiologic Technology

### Radiologic Technology RT23

The Radiologic Technology associate degree program is a sequence of courses that prepares students for positions in radiology departments and related businesses and industries. Learning opportunities develop academic, technical, and professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes a combination of didactic and clinical instruction necessary for successful employment. Program graduates receive an associate of applied science degree, have the qualifications of a radiographer, and are eligible to sit for a national certification examination for radiographers.

## Program Accreditation

Joint Review Committee on Education in Radiologic Technology (JRCERT)  
20 N. Wacker Drive Suite 2850  
Chicago IL 60606-3182  
<http://www.jrcert.org/>

## Program Web Page

<http://www.coastalpines.edu/programs/radiologic-technology-program/>

## Other Conditions for Admission

Criminal background checks and drug screens are required based on the requirements for participation in clinical experiences.

**Type:** Associate of Applied Science, AAS

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Area I - Language Arts/Communications

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area II - Social/Behavioral Sciences

\* Choose one of the following courses:

Item #	Title	Credits
ECON 1101	Principles of Economics	3
ECON 2105	Macroeconomics	3
ECON 2106	Microeconomics	3
HIST 1111	World History I	3
HIST 1112	World History II	3
HIST 2111	U.S. History I	3
HIST 2112	U.S. History II	3
POLS 1101	American Government	3
PSYC 1101	Introductory Psychology	3
SOCI 1101	Introduction to Sociology	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Area III - Natural Sciences/Mathematics

\* Choose one of the following:

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
MATH 1111	College Algebra	3
MATH 1101	Mathematical Modeling	3
MATH 1103	Quantitative Skills & Reasoning	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Area IV - Humanities/Fine Arts

\* Choose one of the following:

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ARTS 1101	Art Appreciation	3
ENGL 2110	World Literature	3
ENGL 2130	American Literature	3
HUMN 1101	Introduction to Humanities	3
MUSC 1101	Music Appreciation	3
RELG 1101	World Religion	3
SPAN 1101	Introduction to Spanish	3
THEA 1101	Theater Appreciation	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Specific General Education Core Elective

\* **Choose an additional course from the complete Area I, II, III, or IV listings:**

- [General Education Courses](#)

**Minimum Credit Hours for Graduation: 3**

### Non-General Education Degree Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
BIOL 2113	Anatomy and Physiology I	3
BIOL 2113L	Anatomy & Physiology Lab I	1
BIOL 2114	Anatomy and Physiology II	3
BIOL 2114L	Anatomy & Physiology Lab II	1
<b>Minimum Credit Hours for Graduation:</b>		<b>8</b>

## Occupational Courses

Item #	Title	Credits
ALHS 1090	Medical Terminology for AHS	2
RADT 1010	Introduction to Radiology	4
RADT 1030	Radiographic Procedures I	3
RADT 1075	Radiographic Imaging	4
RADT 1320	Clinical Radiography I	4
RADT 1060	Radiographic Procedures II	3
RADT 1065	Radiologic Science	2
RADT 1085	Radiologic Equipment	3
RADT 1330	Clinical Radiography II	7
RADT 2090	Radiographic Procedures III	2
RADT 2340	Clinical Radiography III	6
RADT 1200	Principles of Radiation Biology & Protection	2
RADT 2260	Radiologic Technology Review	3
RADT 2360	Clinical Radiography IV	9
<b>Minimum Credit Hours for Graduation:</b>		<b>54</b>

**Minimum Credit Hours for Graduation: 77**

## Computed Tomography Specialist CT91

The Computed Tomography (CT) technical certificate program provides educational opportunities to the post-graduate registered Radiologic Technologist, registered Radiation Therapist and registered Nuclear Medicine Technologist in good standing. It provides students with the knowledge needed to perform CT exams, and to sit for the Post-Primary Computed Tomography Certification Examination. The academic component is designed to meet competency requirements of the American Registry of Radiologic Technologists (ARRT) exam in Computed Tomography, as well as providing for continuing educational requirements.

## Other conditions for Admission

Must be a Registered Radiologic Technologist (American Registry of Radiologic Technologists). Criminal background checks and drug screens are required based on the requirements for participation in clinical experiences.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
RADT 2201	Introduction to Computed Tomography	2
RADT 2220	Computed Tomography Procedures I	3
RADT 2250	CT Clinical I	4
RADT 2210	CT Physics and Instrumentation	5
RADT 2230	CT Procedures II	3
RADT 2265	CT Clinical II	4
<b>Minimum Credit Hours for Graduation:</b>		<b>21</b>
<b>Minimum Credit Hours for Graduation:</b>		<b>21</b>

## Railroad Industry

### Railroad Systems Management Technology RSM3

The Railroad Systems Management Technology AAS prepares graduates for careers as supervisors in the rail industry.

**\* Students must complete one of the Specializations below:**

- Mechanical Specialization 8M33
- Electrical Specialization 8E43

**Type:** Associate of Applied Science, AAS

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Area I - Language Arts/Communications

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Area II - Social/Behavioral Sciences

Item #	Title	Credits
	Area II - Social/Behavioral Sciences	
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

### Area III - Natural Sciences/Mathematics

Item #	Title	Credits
	Area III - Natural Sciences/Mathematics	
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

### Area IV - Humanities/Fine Arts

Item #	Title	Credits
	Area IV - Humanities/Fine Arts	
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

### Specific General Education Core Elective

\* Choose an additional course from the complete Area I, II, III, or IV listings:

- [General Education Courses](#)

**Minimum Credit Hours for Graduation: 3**

### Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
ACCT 1100	Financial Accounting I	4
MGMT 1100	Principles of Management	3
MGMT 1110	Employment Rules & Regulations	3
MGMT 2120	Labor Management Skills	3
MGMT 2135	Management Communication Techniques	3
SCMA 1003	Introduction to Transportation & Logistics Management	3
SCMA 2103	Supply Chain Management Concepts	3
IDFC 1007	Industrial Safety Procedures	2
RRTC 1010	Introduction to the Railroad Industry	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>31</b>

### Mechanical Specialization 8M33

Item #	Title	Credits
RRTC 1040	Locomotive Mechanical Systems	3
ELCR 2140	Mechanical Devices	2
ELCR 2150	Fluid Power	2
	Advisor Approved Electives (7 hrs)	7
	<b>Minimum Credit Hours for Graduation:</b>	<b>14</b>

### Electrical Specialization 8E43

Item #	Title	Credits
RRTC 1020	Locomotive Electrical Systems	5
ELCR 2120	Motor Controls	3
IDSY 1100	Basic Circuit Analysis	5
	Advisor Approved Electives (2 hrs)	2
	<b>Minimum Credit Hours for Graduation:</b>	<b>15</b>

**Minimum Credit Hours for Graduation: 60**



## Locomotive Car Repair Systems Technology LRS2

The Locomotive Car Repair Systems Technology diploma prepares students for a career in the railroad/locomotive industry as a Car Repairman, Sheet Metal Worker, or Pipe Fitter.

**Type:** Diploma

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Basic Skills Core

Item #	Title	Credits
MATH 1012	Foundations of Mathematics	3
EMPL 1000	Interpersonal Relations & Professional Development	2
ENGL 1010	Fundamentals of English I	3
<b>Minimum Credit Hours for Graduation:</b>		<b>8</b>

### Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
RRTC 1010	Introduction to the Railroad Industry	4
RRTC 1040	Locomotive Mechanical Systems	3
WELD 1000	Introduction to Welding Technology	4
WELD 1010	Oxyfuel and Plasma Cutting	4
WELD 1030	Blueprint Reading for Welding Technology	4
WELD 1040	Flat Shielded Metal Arc Welding	4
WELD 1050	Horizontal Shielded Metal Arc Welding	4
WELD 1060	Vertical Shielded Metal Arc Welding	4
WELD 1070	Overhead Shield Metal Arc Welding	4
WELD 1153	Flux Cored Arc Welding	4
ELCR 2140	Mechanical Devices	2
<b>Minimum Credit Hours for Graduation:</b>		<b>44</b>

**Minimum Credit Hours for Graduation: 52**

## Locomotive Electrical and Mechanical Technology LEA2

The Locomotive Electrical/Mechanical Technology program will prepare students for employment in the railroad industries. Students will gain skills to become locomotive electricians, locomotive mechanics, car repairman, and sheet metal workers.

**Type:** Diploma

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Basic Skills Core

Item #	Title	Credits
MATH 1012	Foundations of Mathematics	3
EMPL 1000	Interpersonal Relations & Professional Development	2
ENGL 1010	Fundamentals of English I	3
<b>Minimum Credit Hours for Graduation:</b>		<b>8</b>

## Occupational Courses

Item #	Title	Credits
COMP 1000	Introduction to Computer Literacy	3
RRTC 1010	Introduction to the Railroad Industry	4
RRTC 1020	Locomotive Electrical Systems	5
RRTC 1040	Locomotive Mechanical Systems	3
WELD 1000	Introduction to Welding Technology	4
WELD 1010	Oxyfuel and Plasma Cutting	4
WELD 1030	Blueprint Reading for Welding Technology	4
WELD 1040	Flat Shielded Metal Arc Welding	4
WELD 1050	Horizontal Shielded Metal Arc Welding	4
WELD 1090	Gas Metal Arc Welding	4
ELCR 2120	Motor Controls	3
ELCR 2140	Mechanical Devices	2
ELCR 2150	Fluid Power	2
IDSY 1100	Basic Circuit Analysis	5
<b>Minimum Credit Hours for Graduation:</b>		<b>51</b>

**Minimum Credit Hours for Graduation: 59**

## Locomotive Car Repair Technician LCR1

Diagnose, adjust, repair, or overhaul railroad cars. Students will become familiar with the rail industry; knowledge of locomotives (EMD and GE) and locomotive air brake systems; Department of Transportation and FRA rules and OSHA regulations; fundamental concepts and operations of locomotive mechanical systems. Students will be proficient with safety practices, equipment, and techniques necessary for metal heating and cutting principles; cutting torches and apparatus; metal heating techniques; metal cutting techniques; manual and automatic oxyfuel cutting techniques; oxyfuel pipe cutting; reading welding and related blueprints and sketches; shielded metal arc welding (SMAW) in flat positions; horizontal SMAW safety and health practices; selection and applications of electrodes, selection and applications for horizontal SMAW; horizontal SMAW joints; techniques required for shielded metal arc welding (SMAW) in the vertical position; selection and

applications of electrodes for vertical SMAW, vertical SMAW joints, and vertical SMAW to specification; overhead SMAW safety techniques required for successful flux cored arc welding (FCAW); machine set up and operation; shielded gas and selection; and FCAW joints in all positions.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
RRTC 1010	Introduction to the Railroad Industry	4
WELD 1010	Oxyfuel and Plasma Cutting	4
WELD 1050	Horizontal Shielded Metal Arc Welding	4
WELD 1060	Vertical Shielded Metal Arc Welding	4
WELD 1070	Overhead Shield Metal Arc Welding	4
ELCR 2140	Mechanical Devices	2
<b>Minimum Credit Hours for Graduation:</b>		<b>22</b>

**Minimum Credit Hours for Graduation: 22**

## Locomotive Electrical Systems LE51

The Locomotive Electrical Systems certificate is designed to prepare students to work as electrical technicians in the rail industry with specific knowledge and skills for diesel/electric locomotives. Upon completion of this technical certificate of credit students will be trained for entry-level positions in the rail industry as locomotive electrical technicians.

## Employment Condition

Federal regulations require Railroad employees to be at least 19 years of age.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

## Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Required Courses

Item #	Title	Credits
IDFC 1007	Industrial Safety Procedures	2
ELCR 2120	Motor Controls	3
RRTC 1010	Introduction to the Railroad Industry	4
RRTC 1020	Locomotive Electrical Systems	5
	AC or DC Option	5-6
	<b>Minimum Credit Hours for Graduation:</b>	<b>19-20</b>

**Minimum Credit Hours for Graduation: 18**

### Locomotive Mechanical Systems LM31

The Locomotive Mechanical Systems certificate is designed to prepare students to work as mechanical technicians in the rail industry with specific knowledge and skills for diesel/electric locomotives. Upon completion of this technical certificate of credit students will be trained for entry-level positions in the rail industry as locomotive mechanical technicians.

### Employment Condition

Federal regulations require Railroad employees to be at least 19 years of age.

**Type:** Technical Certificate of Credit

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

## Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

### Required Courses

Item #	Title	Credits
IDFC 1007	Industrial Safety Procedures	2
ELCR 2140	Mechanical Devices	2
ELCR 2150	Fluid Power	2
RRTC 1010	Introduction to the Railroad Industry	4
RRTC 1040	Locomotive Mechanical Systems	3
WELD 1030	Blueprint Reading for Welding Technology	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>17</b>

## Respiratory Care

### Respiratory Care RCT3

The respiratory care associate degree is a sequence of courses that prepares students for careers in the field of respiratory care. Learning opportunities develop academic and professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes specialized training in areas such as pulmonary and cardiac pharmacology, medical gases, humidity/aerosol therapy, positive pressure ventilation, incentive spirometry, patient assessment, postural drainage, percussion/vibration, assessment of diseases and conditions, critical respiratory care, advanced critical care monitoring, pulmonary function testing, and pediatric and neonatal respiratory care. Program graduates receive a respiratory care associate degree which qualifies them to take the examinations to become a Registered Respiratory Therapist. Students may become certified by taking the Entry Level Certification Examination administered by the National Board for Respiratory Care. Upon successful completion of the Certification (CRT) Exam, the graduate is eligible to take both parts of the Registry (RRT) Exams. To work in the state of Georgia, all respiratory care practitioners must apply and be granted a license. The only way to obtain a license is to pass at least the Entry Level Certification Exam.

### Program Accreditation

Commission on Accreditation for Respiratory Care (CoARC)

<http://www.coarc.com/>

### Programmatic Data Information

Programmatic Outcome Data

### Certification Information

Graduates of the Respiratory Therapy Technology are eligible to sit for the Entry Level Certification Examination (CRT). Upon successful completion of the certification (CRT) exam, graduates are eligible to take both parts of the Registry (RRT) exams.

### Other Conditions for Admission

Criminal background checks and drug screens may be required based on the requirements for participation in clinical experiences.

**Type:** Associate of Applied Science, AAS

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Area I - Language Arts/Communications

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area II - Social/Behavioral Sciences

\* Choose one of the following courses:

Item #	Title	Credits
ECON 1101	Principles of Economics	3
ECON 2105	Macroeconomics	3
ECON 2106	Microeconomics	3
HIST 1111	World History I	3
HIST 1112	World History II	3
HIST 2111	U.S. History I	3
HIST 2112	U.S. History II	3
POLS 1101	American Government	3
PSYC 1101	Introductory Psychology	3
SOCI 1101	Introduction to Sociology	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Area III - Natural Sciences/Mathematics

\* Choose one of the following courses:

Item #	Title	Credits
	MATH 1101, MATH 1103, or MATH 1111	3
	CHEM 1151 or CHEM 1211	4
<b>Minimum Credit Hours for Graduation:</b>		<b>7</b>

## Area IV - Humanities/Fine Arts

Item #	Title	Credits
ARTS 1101	Art Appreciation	3
ENGL 2110	World Literature	3
ENGL 2130	American Literature	3
HUMN 1101	Introduction to Humanities	3
MUSC 1101	Music Appreciation	3
RELG 1101	World Religion	3
THEA 1101	Theater Appreciation	3
<b>Minimum Credit Hours for Graduation:</b>		<b>3</b>

## Non-General Education Degree Courses

Item #	Title	Credits
BIOL 2113	Anatomy and Physiology I	3
BIOL 2113L	Anatomy & Physiology Lab I	1
BIOL 2114	Anatomy and Physiology II	3
BIOL 2114L	Anatomy & Physiology Lab II	1
BIOL 2117	Introductory Microbiology	3
BIOL 2117L	Introductory Microbiology Lab	1
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

## Occupational Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
RESP 1110	Pharmacology	3
RESP 2090	Clinical Practice I	2
RESP 2110	Pulmonary Disease	3
RESP 1130	Respiratory Therapy Lab I	4
RESP 1120	Introduction to Respiratory Therapy	3
RESP 2100	Clinical Practice II	2
RESP 2140	Advanced Critical Care Monitoring	1
RESP 2180	Clinical Practice III	2
RESP 2120	Critical Respiratory Care	2
RESP 2130	Mechanical Ventilation & Airway Management	4
RESP 2160	Neonatal Pediatric Respiratory Care	3
RESP 2190	Clinical Practice IV	2
RESP 2200	Clinical Practice V	3
RESP 2170	Advanced Respiratory Care Seminar	3
RESP 2270	Rehabilitation and Home Care	1
RESP 2220	Clinical Practice Vi	7
RESP 2150	Pulmonary Function Testing	1
RESP 1193	Cardiopulmonary a & P	4
	<b>Minimum Credit Hours for Graduation:</b>	<b>50</b>

**Minimum Credit Hours for Graduation: 78**

## Surgical Technology

### Surgical Technology ST13

The surgical technology degree program prepares students for employment in a variety of positions in the surgical field. The surgical technology degree program provides learning opportunities which introduce, develop, and reinforce academic and technical knowledge, skills, and attitudes required for job acquisition, retention, and advancement. In addition, the program provides opportunities to upgrade present knowledge and skills or to retrain in surgical technology. Graduates of the program receive a surgical technology associate of applied science degree and are qualified for employment as surgical technologists as well as eligible to sit for the Certified Surgical Technologist (CST) examination through the National Board of Surgical Technology and Surgical Assisting (NBSTSA).

### Program Accreditation

Commission on Accreditation of Allied Health Educational Programs (CAAHEP) as recommended by the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC/TSA).

1361 Park Street  
Clearwater FL 33756  
[www.caahep.org](http://www.caahep.org)

### Certification Information

Graduates of the Surgical Technology program are eligible to take the Certified Surgical Technologist exam through the National Board of Surgical Technology and Surgical Assisting (NBSTSA).

#### Retention Data

According to the 2017 Accreditation Review Council on Education in Surgical Technology and Surgical Assisting Annual Report, the retention is 100%.

### Pass Rate Data

According to the 2017 Accreditation Review Council on Education in Surgical Technology and Surgical Assisting Annual Report, the OAE pass rate is 64.7%.

## Other Conditions for Admission

Students participating in coursework in Surgical Technology may be required to successfully pass criminal background checks and drug screening procedure as prescribed by the college or clinical institutions in which clinical experience will be performed.

**Type:** Associate of Applied Science, AAS

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Area I - Language Arts/Communications

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Area II - Social/Behavioral Sciences

Item #	Title	Credits
	Area II - Social/Behavioral Sciences	
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Area III - Natural Sciences/Mathematics

Item #	Title	Credits
	MATH 1101, MATH 1103, or MATH 1111	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Area IV - Humanities/Fine Arts

Item #	Title	Credits
	Area IV - Humanities/Fine Arts	
	<b>Minimum Credit Hours for Graduation:</b>	<b>3</b>

## Specific General Education Core Elective

\* Choose an additional course from the complete Area I, II, III, or IV listings:

- [General Education Courses](#)

**Minimum Credit Hours for Graduation: 3**



## Non-Occupational Courses

Item #	Title	Credits
ALHS 1090	Medical Terminology for AHS	2
BIOL 2113	Anatomy and Physiology I	3
BIOL 2113L	Anatomy & Physiology Lab I	1
BIOL 2114	Anatomy and Physiology II	3
BIOL 2114L	Anatomy & Physiology Lab II	1
BIOL 2117	Introductory Microbiology	3
BIOL 2117L	Introductory Microbiology Lab	1
<b>Minimum Credit Hours for Graduation:</b>		<b>14</b>

## Occupational Courses

Item #	Title	Credits
SURG 1010	Introduction to Surgical Technology	8
SURG 1020	Principles of Surgical Technology	7
SURG 1080	Surgical Microbiology	2
SURG 1100	Surgical Pharmacology	2
SURG 2030	Surgical Procedures I	4
SURG 2040	Surgical Procedures II	4
SURG 2110	Surgical Technology Clinical I	3
SURG 2120	Surg Tech Clinical II	3
SURG 2130	Surg Tech Clinical III	3
SURG 2140	Surg Tech Clinical IV	3
SURG 2240	Seminar in Surgical Technology	2
<b>Minimum Credit Hours for Graduation:</b>		<b>41</b>

**Minimum Credit Hours for Graduation: 70**

## Welding

### Welding and Joining Technology WAJ2

The Welding and Joining Technology diploma is designed to prepare students for careers in the welding industry. Program learning opportunities develop academic, technical, professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes welding theory and practical application necessary for successful employment. Program graduates receive a Welding and Joining Technology diploma, have the qualifications of a welding and joining technician, and are prepared to take qualification tests.

**Type:** Diploma

### Admission Requirements

#### Minimum Required Age

N/A

#### High School Diploma or GED Required

Yes

#### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Basic Skills

Item #	Title	Credits
MATH 1012	Foundations of Mathematics	3
ENGL 1010	Fundamentals of English I	3
EMPL 1000	Interpersonal Relations & Professional Development	2
<b>Minimum Credit Hours for Graduation:</b>		<b>8</b>

## Occupational Courses

Item #	Title	Credits
WELD 1000	Introduction to Welding Technology	4
WELD 1010	Oxyfuel and Plasma Cutting	4
WELD 1030	Blueprint Reading for Welding Technology	4
WELD 1040	Flat Shielded Metal Arc Welding	4
WELD 1050	Horizontal Shielded Metal Arc Welding	4
WELD 1060	Vertical Shielded Metal Arc Welding	4
WELD 1070	Overhead Shield Metal Arc Welding	4
WELD 1090	Gas Metal Arc Welding	4
WELD 1110	Gas Tungsten Arc Welding	4
WELD 1120	Preparation for Industrial Qualification	4
	Program Electives (6 hrs)	6
<b>Minimum Credit Hours for Graduation:</b>		<b>46</b>

**Minimum Credit Hours for Graduation: 54**

## Advanced Shielded Metal Arc Welder OSM1

The Advanced Shielded Metal Arc Welder Technical Certificate of Credit is a continuation of the basic certificate. The advanced program provides instruction in shielded metal arc welding in the overhead, horizontal, and vertical positions.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
WELD 1050	Horizontal Shielded Metal Arc Welding	4
WELD 1060	Vertical Shielded Metal Arc Welding	4
WELD 1070	Overhead Shield Metal Arc Welding	4
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

**Minimum Credit Hours for Graduation: 12**

### Basic Shielded Metal Arc Welder FS31

The Basic Shielded Metal Arc Welder Technical Certificate of Credit prepares students for careers in the welding and joining industry. This certificate emphasizes arc welding in the flat position and is pre-requisite to the advanced certificate.

**Type:** Technical Certificate of Credit

#### Admission Requirements

**Minimum Required Age**

N/A

**High School Diploma or GED Required**

Yes

**Placement Scores for Regular Admission (Next Gen Accuplacer)**

English Reading Math Algebra

#### Required Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
WELD 1000	Introduction to Welding Technology	4
WELD 1010	Oxyfuel and Plasma Cutting	4
WELD 1040	Flat Shielded Metal Arc Welding	4
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

**Minimum Credit Hours for Graduation: 12**

### Gas Metal Arc Welder GM31

**Type:** Technical Certificate of Credit

#### Admission Requirements

**Minimum Required Age**

N/A

**High School Diploma or GED Required**

Yes

**Placement Scores for Regular Admission (Next Gen Accuplacer)**

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
WELD 1000	Introduction to Welding Technology	4
WELD 1010	Oxyfuel and Plasma Cutting	4
WELD 1090	Gas Metal Arc Welding	4
<b>Minimum Credit Hours for Graduation:</b>		<b>12</b>

## Welding Option

\* Choose one of the following courses:

Item #	Title	Credits
WELD 1030	Blueprint Reading for Welding Technology	4
WELD 1040	Flat Shielded Metal Arc Welding	4
WELD 1150	Advanced Gas Tungsten Arc Welding	3
WELD 1151	Fabrication Processes	3
WELD 1152	Pipe Welding	4
WELD 1153	Flux Cored Arc Welding	4
<b>Minimum Credit Hours for Graduation:</b>		<b>22</b>

**Minimum Credit Hours for Graduation: 34**

## Gas Tungsten Arc Welder GTA1

The Gas Tungsten Arc Welder Technical Certificate of Credit provides instruction in TIG welding techniques. Topics include understanding the nature and culture of the welding industry, oxyfuel cutting techniques, and TIG welding processes.

**Type:** Technical Certificate of Credit

## Admission Requirements

### Minimum Required Age

N/A

### High School Diploma or GED Required

Yes

### Placement Scores for Regular Admission (Next Gen Accuplacer)

English Reading Math Algebra

## Required Courses

Item #	Title	Credits
WELD 1000	Introduction to Welding Technology	4
WELD 1010	Oxyfuel and Plasma Cutting	4
WELD 1110	Gas Tungsten Arc Welding	4
	Occupational Elective (3 hrs)	3
<b>Minimum Credit Hours for Graduation:</b>		<b>15</b>

**Minimum Credit Hours for Graduation: 15**

# Courses

## Accounting Courses

### **ACCT 1100: Financial Accounting I**

Introduces the basic financial accounting concepts of the complete accounting cycle and provides the student with the necessary skills to maintain a set of books for a sole proprietorship. Topics include: accounting vocabulary and concepts, the accounting cycle for a personal service business, the accounting cycle for a merchandising business, inventory, cash control and receivables. Laboratory work demonstrates theory presented in class.

**Credits:** 4

**Prerequisites:**

Program Admission or Advisor Approval.

### **ACCT 1105: Financial Accounting II**

Introduces the intermediate financial accounting concepts that provide the student with the necessary skills to maintain a set of books for a partnership and corporation. Topics include: Fixed and Intangible Assets, Current and Long-Term Liabilities (Notes Payable), Payroll, Accounting for a Partnership, Accounting for a Corporation, Statement of Cash Flows, and Financial Statement Analysis. Laboratory work demonstrates theory presented in class.

**Credits:** 4

**Prerequisites:**

ACCT 1100

### **ACCT 1115: Computerized Accounting**

Emphasizes operation of computerized accounting systems from manual input forms. Topics include: company creation (service and merchandising), chart of accounts, customers transactions, vendors transactions, banking activities, merchandise inventory, employees and payroll, and financial reports. Laboratory work includes theoretical and technical application.

**Credits:** 3

**Prerequisites:**

ACCT 1100

COMP 1000

### **ACCT 1120: Spreadsheet Applications**

This course covers the knowledge and skills to use spreadsheet software through course demonstrations, laboratory exercises and projects. Topics and assignments will include: spreadsheet concepts, creating and manipulating data, formatting data and content, creating and modifying formulas, presenting data visually and collaborating and securing data.

**Credits:** 4

**Prerequisites:**

COMP 1000

COMP 1000

### **ACCT 1125: Individual Tax Accounting**

Provides instruction for the preparation of individual federal income tax returns. Topics include: taxable income, income adjustments, schedules, standard deductions, itemized deductions, exemptions, tax credits, and tax calculations.

**Credits:** 3

**Prerequisites:**

Program Admission

### **ACCT 1130: Payroll Accounting**

Provides an understanding of the laws that affect a company's payroll structure and practical application skills in maintaining payroll records. Topics include: payroll tax laws, payroll tax forms, payroll and personnel records, computing wages and salaries, taxes affecting employees and employers, and analyzing and journalizing payroll transactions.

**Credits:** 3

**Prerequisites:**

ACCT 1100

### **ACCT 2000: Managerial Accounting**

Emphasizes the interpretation of data by management in planning and controlling business activities. Topics include Managerial Accounting Concepts, Manufacturing Accounting using a Job Order Cost System, Manufacturing Accounting using a Process Cost System, Cost Behavior and Cost-Volume-Profit, Budgeting and Standard Cost Accounting, Flexible Budgets, Standard Costs and Variances, and Capital Investment Analysis and Budgeting. Laboratory work demonstrates theory presented in class.

**Credits:** 3

**Prerequisites:**

ACCT 1105

**ACCT 2100: Accounting Internship I**

Introduces the application and reinforcement of accounting and employability principles in an actual job setting. Acquaints the student with realistic work situations and provides insights into accounting applications on the job. Topics include appropriate work habits, acceptable job performance, application of accounting knowledge and skills, interpersonal relations, and development of productivity. The half-time accounting internship is implemented through the use of written individualized training plans, written performance evaluation, and weekly documentation or seminars and/or other projects as required by the instructor.

**Credits:** 4

**Prerequisites:**

All non-elective courses required for program completion

**ACCT 2105: Accounting Internship II**

Introduces the application and reinforcement of accounting and employability principles in an actual job setting. Acquaints the student with realistic work situations and provides insights into accounting applications on the job. Topics include: appropriate work habits, acceptable job performance, application of accounting knowledge and skills, interpersonal relations, and development of productivity. The full-time accounting internship is implemented through the use of written individualized training plans, written performance evaluation, and weekly documentation or seminars and/or other projects as required by the instructor.

**Credits:** 8

**Prerequisites:**

All non-elective courses required for program completion

**ACCT 2125: Capstone Review Accounting Principles**

Guides the student in dealing with ethics, internal control, fraud and financial statement analysis in the accounting environment which will require students to confront and resolve accounting problems by integrating and applying skills and techniques acquired from previous courses. Will prepare students in developing a personal code of ethics by exploring ethical dilemmas and pressures they will face as accountants. Will help the student understand financial statement analysis and the relation to fraud, and fraud detection. Will prepare the student for the ACAT Comprehensive Examination for Accreditation in Accountancy.

**Credits:** 3

**Prerequisites:**

ACCT 1105  
ACCT 1130  
ACCT 1125

**ACCT 2135: Introduction to Government & Nonprofit Accounting**

Provides an introduction to financial reporting and accounting principles for state/local governments and nonprofit entities.

**Credits:** 3

**Prerequisites:**

ACCT 1105

**ACCT 2140: Legal Environment of Business**

Introduces law and its relationship to business. Topics include: legal ethics, legal processes, business contracts, business torts and crimes, real and personal property, agency and employment, risk-bearing devices, and Uniform Commercial Code.

**Credits:** 3

**Prerequisites:**

Program Admission

**ACCT 2145: Personal Finance**

Introduces practical applications of concepts and techniques used to manage personal finance. Topics include: cash management, time value of money, credit, major purchasing decisions, insurance, investments, retirement, and estate planning.

**Credits:** 3

**Prerequisites:**

Program Admission

**ACCT 2155: Principles of Fraud Examination**

Provides instruction of the basic principles and theories of occupational fraud. Topics include: fraud concepts, skimming, cash larceny, billing schemes, check tampering, payroll schemes, expense reimbursement schemes, register disbursement schemes, non-cash assets fraud, corruption schemes, and accounting principles and fraud.

**Credits:** 3

**Prerequisites:**

Program Admission

## Advanced Machine Tool Courses

**AMCA 2110: CNC Fundamentals**

Provides a comprehensive introduction to computer numerical controlled (CNC) machining processes. Topics include: safety, Computer Numerical Control of machinery, setup and operation of CNC machinery, introduction to programming of CNC machinery, introduction to CAD/CAM.

**Credits:** 4

**Prerequisites:**

MCHT 1012  
MCHT 1013  
MCHT 1011

**AMCA 2130: CNC Mill Manual Programming**

Provides instruction for the safe operation and manual programming of computer numerical controlled (CNC) milling machines. Topics include: safety, calculation for programming, program codes and structure, program run and editing of programs.

**Credits:** 5

**Prerequisites:**

AMCA 2110

**AMCA 2150: CNC Lathe Manual Programming**

Provides instruction for the safe operation and manual programming of computer numerical controlled (CNC) Lathes. Topics include: safety, calculations for programming, program codes and structure, program run and editing of programs.

**Credits:** 5

**Prerequisites:**

AMCA 2110

**AMCA 2170: CNC Practical Applications**

Provides additional instruction in part holding and fixture design. Students will also gain additional experience in print-to-part development of CNC programming. Topics include: safety, fixture design and manufacturing, and CNC part manufacturing.

**Credits:** 4

**Prerequisites:**

AMCA 2110

AMCA 2130

AMCA 2150

**AMCA 2190: CAD/CAM Programming**

Emphasizes the development of skills in computer aided design (CAD) and computer aided manufacturing (CAM). The student will design and program parts to be machined on computer numerical controlled machines. Topics include: hardware and software, drawing manipulations, tool path generation, program posting, and program downloading.

**Credits:** 4

**Prerequisites:**

AMCA 2110

## Air Conditioning Courses

**AIRC 1005: Refrigeration Fundamentals**

Introduces the basic concepts, theories, and safety regulations and procedures of refrigeration. Topics include an introduction to OSHA, safety, first aid, laws of thermodynamics, pressure and temperature relationships, heat transfer, the refrigerant cycle, refrigerant identification, and types of AC systems

**Credits:** 4

**AIRC 1010: Refrigeration Principles & Practices**

This course introduces the student to basic refrigeration system principles and practices, and the major component parts of the refrigeration system. Topics include refrigeration tools, piping practices, service valves, leak testing, refrigerant recovery, recycling, and reclamation, evacuation, charging, and safety.

**Credits:** 4

**Co-Requisites:**

AIRC 1005

**AIRC 1020: Refrigeration Systems Components**

This course provides the student with the skills and knowledge and skills to install, test, and service major components of a refrigeration system. Topics include compressors, condensers, and evaporators, metering devices, service procedures, refrigeration systems and safety.

**Credits:** 4

**Co-Requisites:**

AIRC 1005

AIRC 1010

**AIRC 1030: HVACR Electrical Fundamentals**

This course provides an introduction to fundamental electrical concepts and theories as applied to the air conditioning industry. Topics include AC and DC theory, electric meters, electrical diagrams, distribution systems, electrical panels, voltage circuits, code requirements, and safety

**Credits:** 4

**AIRC 1040: HVACR Electrical Motors**

This course provides the student with the skills and knowledge necessary for application and service of electric motors commonly used by the refrigeration and air conditioning industry. Topics include diagnostic techniques, capacitors, and installation procedures, types of electric motors, electric motor service, and safety.

**Credits:** 4

**Co-Requisites:**

AIRC 1030

**AIRC 1050: HVACR Electrical Components & Control**

Provides instruction in identifying, installing, and testing commonly used electrical components in an air conditioning system. Topics include: pressure switches, transformers, other commonly used controls, diagnostic techniques, installation procedures, solid state controls, and safety.

**Credits:** 4

**AIRC 1060: Air Conditioning Systems Application & Installation**

Provides instruction on the installation and service of residential air conditioning systems. Topics include: installation procedures, split-systems, add-on systems, packaged systems, system wiring, control circuits, and safety.

**Credits:** 4

**Prerequisites:**

AIRC 1010

AIRC 1030

AIRC 1005

**AIRC 1070: Gas Heat**

This course introduces principles of combustion and service requirements for gas heating systems. Topics include servicing procedures, electrical controls, piping, gas valves, venting, code requirements, principles of combustion, and safety.

**Credits:** 4

**Prerequisites:**

AIRC 1030

**AIRC 1080: Heat Pumps and Related Systems**

This course provides instruction on the principles, applications, and operation of a residential heat pump system. Topics include installation and servicing procedures, electrical components, geothermal ground source energy supplies, dual fuel, valves, and troubleshooting techniques.

**Credits:** 4

**Prerequisites:**

AIRC 1010

AIRC 1030

AIRC 1005

**AIRC 1090: Troubleshooting Air Conditioning Systems**

This course provides instruction on the troubleshooting and repair of major components of a residential air conditioning system. Topics include troubleshooting techniques, electrical controls, air flow, the refrigeration cycle, electrical servicing procedures, and safety.

**Credits:** 4

**Prerequisites:**

AIRC 1010

AIRC 1030

AIRC 1005

## Aircraft Structural Technology Courses

**ASTT 1010: Basic Blueprint Reading**

This course introduces basic blueprint reading. Emphasis will be placed on reading and interpreting blueprints found in a manufacturing environment. Topics include: lines and symbols, orthographic drawings, views, material, form and position, title blocks, sketching, features, and sections.

**Credits:** 4

**ASTT 1020: Aircraft Blueprint Reading**

This course introduces aerospace specific blueprint information which builds on a basic knowledge of blueprint terminology and symbols. Topics include: dimensioning standards and practices, blueprint components, interpretation of reference planes and coordinate systems, engineering numbering and revision system, body/field of the drawing, detail drawing, configured/method/undimensioned drawings.

**Credits:** 3

**Co-Requisites:**

ASTT 1010

**ASTT 1030: Structural Fundamentals**

Introduces the fundamental concepts required in aerospace structural manufacturing and repair. Emphasis is placed on safety, quality, and precision. Topics include: safety, flat pattern layout, quality standards, fasteners, hand tools, and precision measuring instruments.

**Credits:** 6

**Co-Requisites:**

ASTT 1010

ASTT 1010: Basic Blueprint Reading

Reading

**ASTT 1070: Aerodynamics**

This course presents the theory of flight and aircraft design as it applies to the manufacturing and repair processes. Topics include: terminology, theory of flight, structural design, control surfaces, and stress and fatigue.

**Credits:** 2



## Allied Health Courses

### **ALHS 1010: Introduction to Anatomy & Physiology**

Provides a study of medical terminology and the basic study of structure and function of the human body. It provides an overview of the functions of each body system and the medical terminology associated with each system. This course is intended for students in non-medical programs and is designed to provide medical terminology and basic knowledge of anatomy and physiology

**Credits:** 4

### **ALHS 1011: Structure & Function of the Human Body**

Focuses on basic normal structure and function of the human body. Topics include general plan and function of the human body, integumentary system, skeletal system, muscular system, nervous and sensory systems, endocrine system, cardiovascular system, lymphatic system, respiratory system, digestive system, urinary system, and reproductive system

**Credits:** 5

### **ALHS 1040: Introduction to Health Care**

Introduces a grouping of fundamental principles, practices, and issues common in the health care profession. In addition to the essential skills, students explore various delivery systems and related issues. Topics include: basic life support/CPR, basic emergency care/first aid and triage, vital signs, infection control/blood and air-borne pathogens

**Credits:** 3

### **ALHS 1060: Diet & Nutrition for Allied Health Sciences**

A study of the nutritional needs of the individual. Topics include: nutrients, standard and modified diets, nutrition throughout the lifespan, and client education

**Credits:** 2

### **ALHS 1090: Medical Terminology for AHS**

Introduces the elements of medical terminology. Emphasis is placed on building familiarity with medical words through knowledge of roots, prefixes, and suffixes. Topics include: origins (roots, prefixes, and suffixes), word building, abbreviations and symbols, and terminology related to the human anatomy.

**Credits:** 2

## Auto Collision Courses

### **ACRP 1000: Introduction to Auto Collision Repair**

This course provides instruction in procedures and practices necessary for safe and compliant operation of auto collision repair facilities. It introduces vehicle construction types and the parts identification of the structural members of various unibodies and frames used for automobiles as well as equipment and hand tools used in collision repair tasks

**Credits:** 4

### **ACRP 1005: Auto Components Repair & Replacement**

This course provides instruction in removal and replacement methods of a variety of non-structural cosmetic and safety features of the automobile as well as bolt-on body panels.

**Credits:** 4

**Co-Requisites:**

ACRP 1000

### **ACRP 1010: Foundations of Collision Repair**

This course introduces the materials, tools, and operations required to repair minor collision damage and it provides instruction in non-metallic auto body repair techniques

**Credits:** 5

### **ACRP 1015: Fundamentals of Automotive Welding**

This course introduces welding and cutting procedures used in auto collision repair. Emphasis will be placed on MIG welding techniques through a variety of different procedures.

**Credits:** 3

**Co-Requisites:**

ACRP 1000

### **ACRP 1017: Mechanical & Electrical Systems I**

This course introduces suspension and steering, braking, and drive train systems found on vehicles typically requiring repair of damages incurred through automobile collisions.

**Credits:** 4

**Co-Requisites:**

ACRP 1000

### **ACRP 1019: Mechanical & Electrical Systems II**

This course introduces the various electrical, heating and AC, engine cooling, fuel and intake, and restraint systems found on vehicles typically requiring repair of damages incurred through automobile collisions.

**Credits:** 5

**Co-Requisites:**

ACRP 1000

**ACRP 2001: Introduction to Auto Painting & Refinishing**

This course covers the safety precautions followed during the painting and refinishing processes used in a shop during collision repairs. Basic surface preparations will be discussed and practiced. Spray gun types and basic operations will also be introduced.

**Credits:** 5

**Co-Requisites:**

ACRP 1000

ACRP 1010

**ACRP 2002: Paint & Refinishing Techniques**

This course covers the fundamental refinishing tasks of mixing, matching and applying various types of automotive paints. Paint defect causes and cures will be examined in depth. Final delivery detailing and tasks will also be practiced and discussed

**Credits:** 5

**ACRP 2009: Refinishing Internship**

Provides occupation-based learning opportunities for students pursuing the Paint and Refinishing specialization. Students will be mentored by qualified professional technicians as they experience working in the Automotive Collision Repair profession in an industry standard commercial repair facility or industry standard simulated on-campus facility. Topics include: sanding, priming, and paint preparation; special refinishing applications; urethane enamels; tint and match colors; and detailing.

**Credits:** 2

**Prerequisites:**

ACRP 1000

**ACRP 2010: Major Collision Repair**

This course introduces procedures and resources used in the identification and assessment of automotive collision damages. This course also provides instruction on the hydraulic repair systems, analysis, estimating and measurement of automobile frames and bodies.

**Credits:** 5

**Prerequisites:**

ACRP 1000

**Co-Requisites:**

ACRP 1005

**ACRP 2015: Major Collision Replacements**

This course provides instruction in conventional/unibody automobile body structural panel repairs emphasizing a variety of removal and replacement techniques.

**Credits:** 5

**Prerequisites:**

ACRP 1000

**ACRP 2019: Major Collision Repair Internship**

Provides occupation-based learning opportunities for students pursuing the Major Collision Repair specialization. Qualified professional technicians will mentor students as they experience working in the Automotive Collision Repair profession in an industry standard commercial repair facility or industry standard simulated on-campus facility. Topics include: conventional frame repair, unibody damage identification and analysis, unibody measuring and fixturing systems, unibody straightening systems and techniques, unibody welding techniques, unibody structural panel repair and replacement, conventional body structural panel repair, unibody suspension and steering systems, and bolt-on body panel removal and replacement.

**Credits:** 3

**Prerequisites:**

ACRP 1000

## Automotive Courses

**AUTT 1010: Introduction to Automotive Technology**

Introduces basic concepts and practices necessary for safe and effective automotive shop operations. Topics include: safety procedures; legal/ethical responsibilities; general service; hand tools; shop organization, management, and work flow systems

**Credits:** 2

**AUTT 1011: Basic Auto Maintenance and Light Repair**

This course introduces student to basic automotive system checks and inspection procedures practiced in virtually all service shops. Fundamental service procedures are also covered.

**Credits:** 6

**Co-Requisites:**

AUTT 1010

**AUTT 1012: Auto Maintenance and Light Repair II**

This course exposes students to the basic maintenance procedures and light repair operations performed by auto technicians on a regular basis on all eight areas of the vehicle.

**Credits:** 6

**Prerequisites:**

AUTT 1010

AUTT 1011

**AUTT 1013: Auto Maintenance and Light Repair III**

This course allows students to further study and practice basic maintenance procedures and diagnostic tests in all eight areas of light vehicle service.

**Credits:** 6

**Prerequisites:**

AUTT 1012

**AUTT 1020: Automotive Electrical Systems**

This course introduces automotive electrical systems emphasizing the basic operating principles, diagnosis, and service/repair of batteries, starting systems, charging systems, lighting systems, instrument cluster and driver information systems, and body electrical system.

**Credits:** 7

**Prerequisites:**

AUTT 1010

**AUTT 1030: Automotive Brake Systems**

This course introduces brake systems theory and its application to automotive parking systems and anti-lock brake system (ABS). Topics include hydraulic system diagnosis and repair; drum brake diagnosis and repair; disc brake diagnosis and repair; power assist units diagnosis and repair; related systems (wheel bearings, parking brakes, electrical, etc.) diagnosis and repair; and electronic brake control systems.

**Credits:** 4

**Prerequisites:**

AUTT 1010

**AUTT 1040: Automotive Engine Performance**

This course introduces basic engine performance systems, which support and control four stroke gasoline engine operations and reduce emissions. Topics include general engine diagnosis, computerized engine controls and diagnosis, ignition system diagnosis and repair, fuel and air induction, exhaust systems, and emission control systems diagnosis and repair.

**Credits:** 7

**Prerequisites:**

AUTT 1020

**AUTT 1050: Auto Suspension/Steering Systems**

This course introduces students to principles of steering, suspension, wheel alignment, electronic steering, and electronic active suspension. Topics include general suspension and steering systems diagnosis; steering systems diagnosis and repair; suspension systems diagnosis and repair; related suspension and steering service; wheel alignment diagnosis, adjustment and repair; and wheel and tire diagnosis and repair.

**Credits:** 4

**Prerequisites:**

AUTT 1010

**AUTT 1060: Auto Climate Control Systems**

This course introduces the theory and operation of automotive heating, ventilation, and air conditioning (HVAC) systems. Students attain proficiency in inspection, testing, service, and repair of heating and air conditioning systems and related components. Topics include a/c system diagnosis and repair; refrigeration system component diagnosis and repair; heating, ventilation, and engine cooling systems diagnosis and repair; operating systems and related controls diagnosis and repair; and refrigerant recovery, recycling, and handling.

**Credits:** 5

**Prerequisites:**

AUTT 1020

**AUTT 2010: Automotive Engine Repair**

This course introduces the student to automotive engine theory and repair, placing emphasis on inspection, testing, and diagnostic techniques for both 2 cycle and 4 cycle internal combustion engines. Topics include general engine diagnosis; removal and reinstallation; cylinder heads and valve trains diagnosis and repair; engine blocks assembly diagnosis and repair; lubrication and cooling systems diagnosis and repair.

**Credits:** 6

**Prerequisites:**

AUTT 1010

### **AUTT 2020: Manual Drive Train & Axles**

This course introduces basics of rear-wheel drive, front-wheel drive, and four-wheel drive drive line related operation, diagnosis, service and related electronic controls. Topics include: drive shaft and half shaft, universal and constant-velocity (CV) joint diagnosis and repair; ring and pinion gears and differential case assembly; limited slip differential; drive axle shaft; four-wheel drive/all-wheel drive component diagnosis and repair. Introduces basics of front and rear-wheel drive. Clutch operation, diagnosis and service is included. Electronic controls related to transmission/transaxles operation are discussed. Topics include: clutch diagnosis and repair; transmission/transaxles diagnosis and repair.

**Credits:** 4

**Prerequisites:**

AUTT 1010

### **AUTT 2030: Automatic Transmissions & Transaxles**

Introduces students to basic automatic transmission/transaxle theory, operation, inspection, service, and repair procedures as well as electronic diagnosis and repair. Topics include: general automatic transmission and transaxle diagnosis; in vehicle and off vehicle transmission and transaxle maintenance, adjustment and repair.

**Credits:** 5

**Prerequisites:**

AUTT 1020

## Basic Commercial Fisherman Courses

### **FISH 1001: Basic Health & Safety in Commercial Fishing**

The Basic Health and Safety course aims to provide with the knowledge and skills required to work safely on board a commercial fishing vessel. The course covers basic health and safety issues, CPR, personal protective equipment, as well as firefighting and fire prevention.

**Credits:** 3

**Prerequisites:**

Program Admission.

### **FISH 1002: Seamanship and Watchkeeping**

The Seamanship and Watchkeeping course provides students with the knowledge of the fishing vessel, the skills and techniques required for operating a commercial fishing vessel. Topics include weather reading, radio communication, and signals and navigation of the vessel.

**Credits:** 3

**Prerequisites:**

Program Admission.

### **FISH 1003: Basic Commercial Fishing Practices**

This course provides an understanding and familiarity with common commercial fishing practices and gear relevant to commercial fishing in the region. Topics include fishing gear, operations, deck handling, electronic equipment, basic maintenance and product marketing.

**Credits:** 3

**Prerequisites:**

Program Admission.

### **FISH 1004: Introduction to Fisheries Science and Management**

The Introduction to Fisheries Science and Management course provides students with a basic knowledge and understanding of regional fish species and the licensing and management of a commercial fishing operation. Topics include biology of fish species, life history of species, commercial fishing regulations, commercial fishing licensing, and financial management.

**Credits:** 3

**Prerequisites:**

Program Admission.

## Biology Courses

### **BIOL 1111: Biology I**

Provides an introduction to basic biological concepts with a focus on living cells. Topics include chemical principles related to cells, cell structure and function, energy and metabolism, cell division, protein synthesis, genetics, biotechnology, and evolution.

**Credits:** 3

**Co-Requisites:**

BIOL 1111L

### **BIOL 1111L: Biology Lab I**

Selected laboratory exercises paralleling the topics in BIOL 1111. The laboratory exercises for this course include chemical principles related to cells, cell structure and function, energy and metabolism, cell division, protein synthesis, genetics, biotechnology, and evolution.

**Credits:** 1

**Co-Requisites:**

BIOL 1111

**BIOL 1112: Biology II**

Provides an introduction to basic animal and plant diversity, structure and function, including reproduction and development, and the dynamics of ecology as it pertains to populations, communities, ecosystems, and biosphere. Topics include classification and characterizations of organisms, plant structure and function, animal structure and function, principles of ecology, and biosphere.

**Credits:** 3

**Prerequisites:**

BIOL 1111

BIOL 1111L

**Co-Requisites:**

BIOL 1112L

**BIOL 1112L: Biology Lab II**

Selected laboratory exercises paralleling the topics in BIOL 1112. The laboratory exercises for this course include classification and characterizations of organisms, plant structure and function, animal structure and function, principles of ecology, and biosphere.

**Credits:** 1

**Co-Requisites:**

BIOL 1112

**BIOL 2107: Biological Principles I**

Selected laboratory exercises paralleling the topics in BIOL 1111. The laboratory exercises for this course include chemical principles related to cells, cell structure and function, energy and metabolism, cell division, protein synthesis, genetics, and biotechnology.

**Credits:** 3

**Co-Requisites:**

ENGL 1101

BIOL 2107L

**BIOL 2107L: Biological Principles I Lab**

This course is comprised of selected laboratory exercises that parallel the topics covered in BIOL2107 and is in-tended for students majoring in biological or other sciences. The course provides a hands-on approach to fundamental biological processes and interactions occurring at the molecular, cellular levels, and organismal, and population levels of organization. The laboratory exercises for this course include: laboratory safety; scientific method and investigation; microscopy; basic biochemistry; cell biology; bioenergetics; molecular genetics; principles of inheritance; evolution and natural selection.

**Credits:** 1

**Co-Requisites:**

ENGL 1101

BIOL 2107

**BIOL 2113: Anatomy and Physiology I**

Introduces the anatomy and physiology of the human body. Emphasis is placed on the development of a systemic perspective of anatomical structures and physiological processes. Topics include body organization, cell structure and functions, tissue classifications, integumentary system, skeletal system, muscular system, and nervous and sensory systems.

**Credits:** 3

**Co-Requisites:**

ENGL 1101

BIOL 2113L

**BIOL 2113L: Anatomy & Physiology Lab I**

Selected laboratory exercises paralleling the topics in BIOL 2113. The laboratory exercises for this course include body organization, cell structure and functions, tissue classifications, integumentary system, skeletal system, muscular system, and nervous sensory systems.

**Credits:** 1

**Co-Requisites:**

ENGL 1101

BIOL 2113

**BIOL 2114: Anatomy and Physiology II**

Continues the study of the anatomy and physiology of the human body. Topics include the endocrine system, cardiovascular system, blood and lymphatic system, immune system, respiratory system, digestive system, urinary system, and reproductive system.

**Credits:** 3

**Prerequisites:**

BIOL 2113

BIOL 2113L

**Co-Requisites:**

BIOL 2114L

**BIOL 2114L: Anatomy & Physiology Lab II**

Selected laboratory exercises paralleling the topics in BIOL 2114. The laboratory exercises for this course include the endocrine system, cardiovascular system, blood and lymphatic system, immune system, respiratory system, digestive system, urinary system, and reproductive system.

**Credits:** 1

**Prerequisites:**

BIOL 2113

BIOL 2113L

**Co-Requisites:**

BIOL 2114

**BIOL 2117: Introductory Microbiology**

Provides students with a foundation in basic microbiology with emphasis on infectious disease. Topics include microbial diversity, microbial cell biology, microbial genetics, interactions and impact of microorganisms and humans, microorganisms and human disease.

**Credits:** 3

**Prerequisites:**

BIOL 2113

BIOL 2113L

BIOL 1111

BIOL 1111L

BIOL 2113, BIOL 2113L or BIOL

1111, BIOL 1111L.

**Co-Requisites:**

BIOL 2117L

**BIOL 2117L: Introductory Microbiology Lab**

Selected laboratory exercises paralleling the topics in BIOL 2117. The laboratory exercises for this course include microbial diversity, microbial cell biology, microbial genetics, interactions and impact of microorganisms and humans, and microorganisms and human disease.

**Credits:** 1

**Prerequisites:**

BIOL 1111

BIOL 1111L

BIOL 2113

BIOL 2113L

**Co-Requisites:**

BIOL 2117

## Business Technology Courses

**BCST 1000: Interpersonal Development**

This course helps the student to develop self-actualization skills. It includes skill development to: work together effectively in a team, identify the steps involved in the job interviewing and job search process, appreciate difficult customers and provides the student with skills to calm angry customers and to resolve their problems, create an awareness of the importance of image, become more comfortable dealing with conflict situations, and to better understand and serve multicultural customers, both internal customers (co-workers) or external customers.

**Credits:** 2

**BCST 1010: Survey of Technology**

This course provides the student with an introduction to computer use and the Microsoft operating environment. It is designed as a guide for the beginner. Topics include working in the Windows operating environment, word processing, spreadsheets, databases and electronic animated presentations.

**Credits:** 3

**BCST 1020: Office Management**

This course provides the student with basic principles of operating a business, using numbers in business to perform many calculations, draft concise, easy-to-read business correspondence, help participants to identify, prioritize and re-prioritize tasks as situations arise and change and introduce a systematic problem-solving process to be applied in a customer service setting.

**Credits:** 2

**BCST 1030: Advanced Office Management**

This course provides students with skills necessary to communicate with customers and successfully manage that relationship in both telephone and face-to-face situations. Topics include: skills to effectively communicate with customers using business language, developing rapport with customers, problem solving in customer service, telephone skills, and sales skills in the service environment.

**Credits:** 2

**BUSN 1000: Computers in Healthcare**

Introduces the fundamental concepts, terminology, and operations necessary to use computers in a business healthcare setting. Emphasis is placed on familiarity with basic computer functions and computer use; the role of the information technology in business healthcare decision-making; and legal, ethical, and privacy issues related to computer use in the business healthcare environment. Topics include an introduction to computer terminology, the Windows environment, Cloud computing, data security, Internet and email, word processing software, spreadsheet software, database software; and presentation software.

**Credits:** 3

**BUSN 1010: Medical Terminology, Anatomy, and Diseases for Business**

Focuses on medical terminology, anatomy, and diseases and disorders of each major human body system: Integumentary System, Skeletal System, Muscular System, Nervous System, Sensory System, Endocrine System, Cardiovascular System, Lymphatic System, Respiratory System, Digestive System, Urinary System, Reproductive Systems of the Male and Female, and Development, Heredity, and Genetics.

**Credits:** 6

**BUSN 1015: Introduction to Healthcare Reimbursement**

This course is designed to increase efficiency and streamline administrative procedures for healthcare insurance billing and reimbursement. Topics include documentation in the medical record, types of insurance, Medicare compliance policies related to documentation and confidentiality, and HIPAA and other compliance regulations.

**Credits:** 3

**Prerequisites:**

ALHS 1090

BUSN 1010

BUSN 2300

One of the following required:

**BUSN 1100: Introduction to Keyboarding**

This course introduces the touch system of keyboarding placing emphasis on correct techniques. Topics include: computer hardware, computer software, file management, learning the alphabetic keyboard, the numeric keyboard and keypad, building speed and accuracy, and proofreading. Students attain a minimum of 25 GWAM (gross words a minute) on 3-minute timings with no more than 3 errors.

**Credits:** 3

**BUSN 1190: Digital Technologies in Business**

Provides an overview of digital technology used for conducting business. Students will learn the application of business activities using various digital platforms.

**Credits:** 2

**Prerequisites:**

COMP 1000

**BUSN 1240: Office Procedures**

Emphasizes essential skills required for the business office. Topics include: office protocol, time management, telecommunications and telephone techniques, office equipment, workplace mail, records management, travel/meeting arrangements, electronic mail, and workplace documents.

**Credits:** 3

**Prerequisites:**

COMP 1000

**BUSN 1300: Introduction to Business**

Introduces organization and management concepts of the business world and in the office environment. Topics include business in a global economy, starting and organizing a business, enterprise management, marketing strategies and financial management.

**Credits:** 3

**BUSN 1340: Customer Service Effectiveness**

This course emphasizes the importance of customer service throughout all businesses. Topics include: customer service challenges and problem solving; strategies for successful customer service; effective communication and dealing with difficult customers; empowerment, motivation, and leadership; customer retention and satisfaction measurement; and excellence in customer service.

**Credits:** 3

**BUSN 1400: Word Processing Applications**

This course covers the knowledge and skills required to use word processing software through course demonstrations, laboratory exercises and projects. Minimal document keying will be necessary, as students will work with existing documents to learn the functions and features of the word processing application. Topics and assignments will include: word processing concepts, customizing documents, formatting content, working with visual content, organizing content, reviewing documents, sharing and securing content.

**Credits:** 4

**Prerequisites:**

COMP 1000

**BUSN 1410: Spreadsheet Concepts & Applications**

This course covers the knowledge and skills required to use spreadsheet software through course demonstrations, laboratory exercises and projects. Topics and assignments will include: spreadsheet concepts, creating and manipulating data, formatting data and content, creating and modifying formulas, presenting data visually and, collaborating and securing data.

**Credits:** 4

**Prerequisites:**

COMP 1000

**BUSN 1420: Database Applications**

This course covers the knowledge and skills required to use database management software through course demonstrations, laboratory exercises and projects. Topics and assignments will include: database concepts, structuring databases, creating and formatting database elements, entering and modifying data, creating and modifying queries, presenting and sharing data, and managing and maintaining databases.

**Credits:** 4

**Prerequisites:**

COMP 1000

**BUSN 1430: Desktop Publishing & Presentation Applications**

This course covers the knowledge and skills required to use desktop publishing (DTP) software and presentation software to create business publications and presentations. Course work will include course demonstrations, laboratory exercises and projects. Topics include: desktop publishing concepts, basic graphic design, publication layout, presentation design, and practical applications.

**Credits:** 4

**Prerequisites:**

COMP 1000

**BUSN 1440: Document Production**

Reinforces the touch system of keyboarding placing emphasis on correct techniques with adequate speed and accuracy and producing properly formatted business documents. Topics include: reinforcing correct keyboarding technique, building speed and accuracy, formatting business documents, language arts, proofreading, and work area management. Prerequisite BUSN 1000 or the ability to key 25 gross words a minute on 3-minute timings with no more than 3 errors.

**Credits:** 4

**Prerequisites:**

COMP 1000

The ability to key 25 gross words a minute on 3-minute timings with no more than 3 errors.

**BUSN 1800: Introduction to Healthcare Accounting**

Course emphasizes the fundamentals of accounting and finance theory to decisions in healthcare environments. Emphasis on management problems and policy issues regarding allocation of resources, payment systems, capital investments, and budgeting.

**Credits:** 3

**BUSN 2160: Electronic Mail Applications**

This course provides instruction in the fundamentals of communicating with others inside and outside the organization via a personal information management program. Emphasizes the concepts necessary for individuals and workgroups to organize, find, view, and share information via electronic communication channels. Topics include: Internal and External Communication, Message Management, Calendar Management, Navigation, Contact and Task Management, and Security and Privacy.

**Credits:** 2

**Prerequisites:**

COMP 1000

**BUSN 2170: Web Page Design**

This course provides instruction in the concepts necessary for individuals to create and manage professional quality web sites. Topics include: Web Site Creation, Web Page Development and Design, Hyper link Creation, Test, and Repair, Integration, Web Site Navigation, and Web Site Management.

**Credits:** 2

**Prerequisites:**

COMP 1000

**BUSN 2190: Business Document Proofreading & Editing**

Emphasizes proper proofreading and editing for business documents. Topics include: applying proofreading techniques and proofreaders marks with business documents; proper content, clarity, and conciseness in business documents; and business document formatting.

**Credits:** 3

**Prerequisites:**

BUSN 1440

ENGL 1010

ENGL 1101

BUSN 1440, ENGL 1010 or ENGL 1101



**BUSN 2200: Office Accounting**

Introduces fundamental concepts of the accounting cycle for a sole proprietor service business. Topics include: accounting equation, analyzing business transactions, journalizing and posting transactions, accounts receivable and accounts payable subsidiary ledgers, financial statements, cash control, and payroll concepts

**Credits:** 4

**BUSN 2210: Applied Office Procedures**

This course focuses on applying knowledge and skills learned in prior courses taken in the program. Topics include: communications skills, telecommunications skills, records management skills, office equipment/supplies, and integrated programs/applications. Serves as a capstone course.

**Credits:** 3

**Prerequisites:**

BUSN 1240  
BUSN 1400  
BUSN 1410  
BUSN 1440

**Co-Requisites:**

BUSN 2190  
BUSN 2200  
ACCT 1100  
BUSN 2190 and BUSN 2200 or  
ACCT 1100

**BUSN 2230: Office Management**

Provide students with an overview of management concepts, styles, and skills. Topics include: management styles, leadership traits, ergonomics/workflow, communication channels, business ethics, supervisory techniques, and job performance evaluation techniques.

**Credits:** 3

**Prerequisites:**

BUSN 1240

**BUSN 2240: Business Administrative Assistant Internship I**

Provides student work experience in a professional environment. Topics include: application of classroom knowledge and skills, work environment functions, and listening/following directions. Students will be under the supervision of the Business Administrative Technology program faculty and/or persons designated to coordinate work experience arrangements.

**Credits:** 4

**BUSN 2250: Business Administrative Assistant Internship II**

Provides student work experience in a professional environment. Topics include: application of classroom knowledge and skills, work environment functions, and listening/following directions. Students will be under the supervision of the Business Administrative Technology program faculty and/or persons designated to coordinate work experience arrangements.

**Credits:** 6

**BUSN 2300: Medical Terminology**

Introduces the basic spelling and pronunciation of medical terms, and the use of these terms as they relate to anatomy, treatment, surgery, and drugs. Topics include: word analysis, word elements, spelling, pronunciation, and semantics.

**Credits:** 2

**BUSN 2310: Anatomy & Terminology for the Medical Administrative Assistant**

Introduces the structure and function of the human body including medical terminology. Topics covered include information which will provide the medical office assistant with the knowledge needed to communicate with office staff, physicians, and patients and to assist in completion of medical reports generated in the medical office. Topics include: body structures, body functions, and medical terminology.

**Credits:** 3

**BUSN 2320: Medical Document Processing & Transcription**

Provides experience in medical machine transcription working with the most frequently used medical reports. Topics include: equipment and supplies maintenance and usage, work area management, spelling, definitions, punctuation, processing/transcription speed and accuracy, resource utilization, and pronunciation.

**Credits:** 4

**Prerequisites:**

BUSN 2300 or ALHS 1090, ALHS 1010 or ALHS 1011, or BUSN 2310, BUSN 1440, ENGL 1010

**BUSN 2330: Adv. Medical Document Processing & Transcription**

Continues the development of speed and accuracy in the transcription of medical reports with emphasis on a variety of medical specialization. Topics include: equipment and supplies maintenance and usage, work area management, spelling, definitions, punctuation, processing/transcription speed and accuracy, resource utilization, pronunciation, and medical transcription work ethics.

**Credits:** 4

**Prerequisites:**

BUSN 2320

**BUSN 2340: Healthcare Administrative Procedures**

Emphasizes essential skills required for business healthcare office. Introduces the knowledge, skills, and procedures needed to understand billing purposes. Introduces the basic concept of business healthcare administrative assisting and its relationship to the other health fields. Emphasizes healthcare regulations and ethics; and, the healthcare administrative assistant's role as an agent of the physician. Provides the student with knowledge and the essentials of professional behavior. Topics include: introduction to business healthcare procedures, healthcare regulations ethics, healthcare records management, scheduling appointments, health insurance, billing/collection, work area management, resource utilization, and office equipment.

**Credits:** 4

**Prerequisites:**

BUSN 1010

Or

One of the following options:

BUSN 2300 or ALHS 1090, and BUSN 2310,

ALHS 1010 or ALHS 1011; and BUSN 1000 or COMP 1000.

**Co-Requisites:**

BUSN 1440

**BUSN 2350: Electronic Health Records**

This course provides a study of the content, code sets, storage, retrieval, control, flow, retention, maintenance of electronic health records, and computerized office management. Topics include: electronic healthcare information management, electronic data interchange, coding standards, health record and office management software, point of entry data entry, electronic coding from health records, speed data entry in processing healthcare records, analysis of records to improve patient care, confidentiality, release of information, security of electronic healthcare record, communication, technology, insurance payment, managed care, posting to accounts, appointment schedules, practice management, report generation, customizing medical documents, claims management, collections management, and HIPAA security.

**Credits:** 3

**Prerequisites:**

BUSN 1010

Or one of the following:

BUSN 2300, ALHS 1090; and BUSN 2310;

ALHS 1100 or ALHS 1011; BUSN 1000, and COMP 1000.

**Co-Requisites:**

BUSN 1440

**BUSN 2375: Healthcare Coding**

Provides an introduction to medical coding skills and the application of international coding standards as it applies to healthcare billing for insurance purposes. Topics include: current procedural terminology, International Classification of Diseases, code book formats, coding techniques, formats of the ICD and CPT manuals, and collections.

**Credits:** 3

**BUSN 2380: Medical Administrative Assistant Internship I**

Provides student work experience in a medical office environment. Topics include: application of classroom knowledge and skills, work environment functions, and listening/following directions. Students will be under the supervision of the Business Administrative Technology program faculty and/or persons designated to coordinate work experience arrangements.

**Credits:** 4

**BUSN 2390: Medical Administrative Assistant Internship II**

Provides student work experience in a medical office environment. Topics include: application of classroom knowledge and skills, work environment functions, and listening/following directions. Students will be under the supervision of the Business Administrative Technology program faculty and/or persons designated to coordinate work experience arrangements.

**Credits:** 6

**BUSN 2400: Healthcare Procedural Coding**

Provides the knowledge and skills to apply the coding of procedures for billing purposes using the Physician's Current Procedural Terminology (CPT) resources and the Healthcare Common Procedure Coding System (HCPCS). Topics include: format of CPT/HCPCS manual, CPT/HCPCS coding guidelines, and coding using the CPT/HCPCS resources. Upon completion, students should be able to apply coding principles to correctly assign CPT/HCPCS codes and apply systems to optimize reimbursement.

**Credits:** 3

**BUSN 2410: ICD Coding**

Provides an introduction to medical billing and coding skills with applications of international coding standards for billing of health care services. Topics include: International Classification of Diseases, code book formats, guidelines and conventions, and coding techniques.

**Credits:** 3

**BUSN 2420: Advanced Medical Coding**

This course is a continuance of CPT and ICD coding. Topics include: health records coding techniques, coding linkage and compliance, searching the job market, developing a resume, stress management, test-taking strategies, and reviewing for a coding certification exam.

**Credits:** 3

**BUSN 2440: Healthcare Leadership & Professional Effectiveness**

Emphasizes essential skills required for leadership and professional success in healthcare organizations. Introduces the functions, practices, and advanced interpersonal relationships, critical thinking, and problem solving. Provides the student with knowledge and the essentials of professional leadership behaviors. Topics include: introduction to the supervisory role, the volatile healthcare environment, the dual nature of supervisory roles, basic functions of management, delegation, empowerment, self-management, interviewing, recruitment, and professionalism, decision making managing change, professional meetings, quality, productivity, teams, and continuing education.

**Credits:** 3

**BUSN 2460: Healthcare Organizational Behavior & Theory**

Emphasizes essential skills required for the management of healthcare practices. Introduces the functions, practices, and advanced administrative skills. Emphasis is placed on management skills including practice management, personnel supervision, marketing, financial planning, and addressing health disparities. Provides the student with knowledge and the essentials of professional managerial behavior. Topics include: introduction to organizational behavior, diversity in health care, attitudes and perceptions, workplace communication, theories of motivation, leadership, conflict management, groups and group dynamics, team and team building, organizational development, and change theory.

**Credits:** 3

**BUSN 2810: Healthcare Compliance**

This course covers how healthcare law and related regulations are formulated, and the impact of those laws on payers, providers, patients, and healthcare businesses. Emphasis is placed on legal compliance in the healthcare industry. Topics covered included in-depth coverage and analysis of implementation of the healthcare reform law, fraud and abuse laws, anti-kickback, false claims, Stark anti-referral provisions, Medicare and Medicaid, the Health Insurance Portability and Accountability Act of 1996 (HIPAA), the HITECH Act and related regulations, the Emergency Medical Treatment and Active Labor Act (EMTALA).

**Credits:** 3

**BUSN 2850: Health Record Auditing**

This course provides an introduction to the principles of medical auditing. Emphasis will be placed on key areas of regulation, medical record documentation, chart abstraction, and developing coding compliance plans. Topics include: coding compliance, importance of documentation, medical necessity, coding compliance programs, auditing, auditing prevention techniques, and emerging technologies.

**Credits:** 3

**Prerequisites:**

BUSN 2340

BUSN 2375

## Chemistry Courses

**CHEM 1151: Survey of Inorganic Chemistry Lab**

Provides an introduction to basic chemical principles and concepts which explain the behavior of matter. Topics include measurements and units, structure of matter, chemical bonding, chemical reactions, gas laws, liquid mixtures, acids and bases, salts and buffers, and nuclear chemistry.

**Credits:** 3

**CHEM 1151L: Survey of Inorganic Chemistry Lab**

Selected laboratory experiments paralleling the topics in CHEM 1151. The lab exercises for this course include units of measurements, structure of matter, chemical bonding, chemical reactions, gas laws, liquid mixtures, acids and bases, salts and buffers, and nuclear chemistry.

**Credits:** 1

**Prerequisites:**

MATH 1111 or MATH 1101, CHEM 1151

**CHEM 1152: Survey of Organic Biochemistry****Credits:** 3**Prerequisites:**

CHEM 1115, CHEM 1151L.

**Co-Requisites:**

CHEM 1152L

**CHEM 1152L: Survey of Organic Biochemistry Lab**

Selected laboratory exercises paralleling the topics in CHEM 1152. The laboratory exercises for this course include basic principles of organic chemistry, hydrocarbons, hydrocarbon derivatives, heterocyclic rings and alkaloids, carbohydrates, lipids and fats, proteins, nucleic acids, and intermediary metabolism.

**Credits:** 1**Prerequisites:**

CHEM 1151

CHEM 1151L

**Co-Requisites:**

CHEM 1152

**CHEM 1211: Chemistry I**

Provides an introduction to basic chemical principles and concepts which explain the behavior of matter. Topics include measurement, physical and chemical properties of matter, atomic structure, chemical bonding, nomenclature, chemical reactions, and stoichiometry and gas laws.

**Credits:** 3**Prerequisites:**

MATH 1111 or MATH 1101 or MATH 1103.

**Co-Requisites:**

CHEM 1211L

**CHEM 1211L: Chemistry Lab I**

Selected laboratory exercises paralleling the topics in CHEM 1211. The laboratory exercises for this course include measurement, physical and chemical properties of matter, atomic structure, chemical bonding, nomenclature, chemical reactions, stoichiometry and gas laws.

**Credits:** 1**Prerequisites:**

MATH 1101

MATH 1103

MATH 1111

**Co-Requisites:**

CHEM 1211

**CHEM 1212: Chemistry II**

Continues the exploration of basic chemical principles and concepts. Topics include equilibrium theory, kinetics, thermodynamics, solution chemistry, acid-base theory, and nuclear chemistry.

**Credits:** 3**Prerequisites:**

CHEM 1211

CHEM 1211L

**Co-Requisites:**

CHEM 1212L

**CHEM 1212L: Chemistry Lab II**

Selected laboratory exercises paralleling the topics in CHEM 1212. The laboratory exercises for this course include equilibrium theory, kinetics, thermodynamics, solution chemistry, acid-base theory, and nuclear chemistry.

**Credits:** 1**Prerequisites:**

CHEM 1211

CHEM 1211L

**Co-Requisites:**

CHEM 1212

## College Success Courses

**COLL 1000: College Success & Survival Skills**

This course is designed to provide tools to assist students to acquire skills necessary to achieve academic and professional success in their chosen occupational/technical program of study. Topics include: Getting off to a Good Start, Learning and Personality Styles, Time and Money Management, Study and Test Taking Skills, Stress Management and Wellness, Communication Skills, and Career Exploration. Institutional Credit

**Credits:** 2**COLL 1050: College & Career Exploration****Credits:** 2

## Commercial Truck Driving Courses

**CTDL 1010: Fundamentals of Commercial Driving**

Fundamentals of Commercial Driving introduces students to the transportation industry, federal and state regulations, records and forms, industrial relations, and other non-driving activities. This course provides an emphasis on safety that will continue throughout the program.

**Credits:** 3

**CTDL 1020: Combination Vehicle Basic Operation & Range Work**

This course familiarizes students with truck instruments and controls and performing basic maneuvers required to drive safely in a controlled environment and on the Driving Range. Each student must demonstrate proficiency in performing range operations such as operating a tractor trailer through clearance maneuvers, backing, turning, parallel parking and coupling/uncoupling.

**Credits:** 2

**Co-Requisites:**

CTDL 1010  
COSM 1070

**CTDL 1030: Combination Vehicle Advanced Operations**

Advanced Operations develops students' driving skills under actual road conditions. The classroom part of the course stresses following safe operating practices. These safe operating practices are integrated into the development of driving skills on the road. Each student must demonstrate proficiency in required behind-the-wheel (BTW) skills such as operating a trailer safety on public roads through a variety of maneuvers.

**Credits:** 4

**Co-Requisites:**

CTDL 1020  
COSM 1070

**CTDL 1040: Commercial Driving Internship**

Commercial Driving Internship provides the opportunity for an individual to complete his/her training with a company. The internship takes the place of CTDL-1030, Advanced Operations. Working closely with the school a company provides the advanced training which focuses on developing students' driving skills. Each student must receive at least twelve (12) hours behind-the-wheel (BTW) instructional time on the street/road. In addition, the student must have a minimum program total of forty-four (44) hours BTW instructional time in any combination (with CTDL 1020) or range and street/road driving. Note: State law requires that whenever a vehicle is operated on public roads an instructor must be present in the truck while the student is driving.

**Credits:** 4

**Co-Requisites:**

CTDL 1020  
COSM 1070

## Communication Courses

**COMM 1109: Human Communication**

Introduction to the fundamental components of the human communication process. The course provides a basic history of the communication discipline from ancient rhetorical roots through modern social sciences. The course emphasizes selected methods and practices in dyadic, small group, and oral presentational settings. Course content also covers communication models, as well as a survey of a variety of human communication modes and methods, including verbal, nonverbal, small group, interpersonal, mass, organizational, public, and intercultural communication.

**Credits:** 3

# Computer Information Systems Courses

## **CIST 1001: Computer Concepts**

Provides an overview of information systems, computers and technology. Topics include: Information Systems and Technology Terminology, Computer History, Data Representation, Data Storage Concepts, Fundamentals of Information Processing, Fundamentals of Information Security, Information Technology Ethics, Fundamentals of Hardware Operation, Fundamentals of Networking, Fundamentals of the Internet, Fundamentals of Software Design Concepts, Fundamentals of Software, (System and Application), System Development Methodology, Computer Number Systems conversion (Binary and Hexadecimal), Mobile computing  
**Credits:** 4

## **CIST 1121: Microcomputer Troubleshooting**

Emphasizes the use of system theory and diagnostic routines to isolate failures, replace the defective module or subsystem, and verify proper operations. Topics include: basic system theory, operating systems use, diagnostic programs, subsystem isolation, upgrading systems, preventive maintenance, and service reports preparation.

**Credits:** 4

### **Prerequisites:**

CIST 1130, CISO 1122

## **CIST 1122: Hardware Installation & Maintenance**

This course serves to provide students with the knowledge of the fundamentals of computer technology, networking, and security along with the skills required to identify hardware, peripheral, networking, and security components with an introduction to the fundamentals of installing and maintaining computers. Students will develop the skills to identify the basic functionality of the operating system, perform basic troubleshooting techniques, utilize proper safety procedures, and effectively interact with customers and peers. This course is designed to help prepare students for the CompTIA A+ certification examination

**Credits:** 4

## **CIST 1130: Operating Systems Concepts**

Provides an overview of modern operating systems and their use in home and small business environments. Activities will utilize the graphical user interface (GUI) and command line environment (CLI) This will include operating system fundamentals; installing, configuring, and upgrading operating systems; managing storage, file systems, hardware and system resources; troubleshooting, diagnostics, and maintenance of operating systems; and networking

**Credits:** 3

## **CIST 1135: Operating Systems & Virtual/Cloud Computing**

This course provides an overview of modern operating systems and their use in home and small business environments. Activities will utilize the graphical user interface (GUI) and command line environment (CLI). Topics include using the modern virtual operating systems and cloud environments.

**Credits:** 4

## **CIST 1141: Network+ Preparation**

To fundamentally prepare the student for the CompTIA Network+ certification examination. Provides the student with the fundamentals of configuring, installing, diagnosing, repairing, upgrading, and maintaining local and wide area networks. Topics include: an introduction to networking, networking standards and the OSI model, network protocols, transmission basics and networking media, physical and logical topologies, networking hardware, WANs and remote connectivity, network operating systems and Windows 2000-based networking, NetWare-based networking, networking with UNIX, networking with TCP/IP and the Internet, troubleshooting network problems, maintaining and upgrading a network, ensuring integrity and availability, network security and managing network design and implementation

**Credits:** 4

## **CIST 1237: Comprehensive Powerpoint**

Provides the fundamental, intermediate, and advanced Microsoft PowerPoint competencies to provide the user with the skills necessary to obtain expert user certification. Topics include presentation creation, presentation views, slide shows, templates, animations, HTML creation, navigation, and presentation transition

**Credits:** 3

**CIST 1239: Ms Office Specialist- Outlook**

Provides the fundamental, intermediate, and advanced Microsoft Outlook competencies to provide the user with the skills necessary to obtain expert user certification. Topics include using Outlook 2000 Mail to communicate with others inside and outside your company, to manage your mail, navigating through Outlook, using calendar, using task, and using contacts and notes. Integrate Office applications and other applications with Outlook 2000 components

**Credits:** 3

**CIST 1305: Program Design and Development**

An introductory course that provides problem solving and programming concepts for those that develop user applications. An emphasis is placed on developing logic, troubleshooting, and using tools to develop solutions. Topics include: problem solving and programming concepts, structured programming, the four logic structures, file processing concepts, and arrays

**Credits:** 3

**CIST 1401: Computer Networking Fundamentals**

Introduces networking technologies and prepares students to take the CompTIA's broad-based, vendor independent networking certification exam, Network +. This course covers a wide range of material about networking, including local area networks, wide area networks, protocols, topologies, transmission media, and security. Focuses on operating network management systems, and implementing the installation of networks. It reviews cabling, connection schemes, the fundamentals of the LAN and WAN technologies, TCP/IP configuration and troubleshooting, remote connectivity, and network maintenance and troubleshooting. Topics include: basic knowledge of networking technology, network media and topologies, network devices, network management, network tools and network security

**Credits:** 4

**CIST 1510: Web Development I**

Explores the concepts of Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), XML, and XHTML following the current standards set by the World Wide Web Consortium (W3C) for developing inter-linking web pages that include graphical elements, hyperlinks, tables, forms, and image maps

**Credits:** 3

**CIST 1520: Scripting Technologies**

In CIST 1520 Scripting Technologies students learn how to use the features and structure of a client side scripting language. Students will also explore the features on server side scripting. Students will develop professional web applications that include special effects, interactive, dynamic, validated, and secure forms

**Credits:** 3

**CIST 1530: Web Graphics I**

Students will explore how to use industry standard or open source graphics software programs to create Web ready images and Web pages. Topics include advanced image correction techniques and adjustments, typography and interpolation as well as conditional scripting statements and arrays. The course includes a final project that allows students to develop a Web page/site using the chosen software

**Credits:** 3

**CIST 1540: Web Animation I**

In this course, students will use scripting and the latest in industry standard or open source software to cover the creation and manipulation of images and animations. Topics include graphic types, organizational methods, drawing tools, beginning to complex object modeling and an introduction to scripting

**Credits:** 3

**CIST 1601: Information Security Fundamentals**

This course provides a broad overview of information security. It covers terminology, history, security systems development and implementation. Student will also cover the legal, ethical, and professional issues in information security

**Credits:** 3

**CIST 1602: Security Policies & Procedures**

This course provides knowledge and experience to develop and maintain security policies and procedures. Students will explore the legal and ethical issues in information security and the various security layers: physical security, personnel security, operating systems, network, software, communication and database security. Students will develop an Information Security Policy and an Acceptable Use Policy

**Credits:** 3

**CIST 2114: Fundamentals of Wireless LANs**

This introductory course to Wireless LANs focuses on the design, planning, implementation, operation and troubleshooting of Wireless LANs. It covers a comprehensive overview of technologies, security, and design best practices with particular emphasis on hands on skills in the following areas: Wireless LAN setup and troubleshooting; 802.11a, 802.11b, 802.11g, and 802.11n technologies, products and solutions; Site Surveys; Resilient WLAN design, installation and configuration; WLAN Security- 802.1x, EAP, LEAP, WEP, SSID, WPA, WPA2; and Vendor interoperability strategies

**Credits:** 4

**Prerequisites:**

CIST 1401 or CIST 2451

**CIST 2120: Using Application Software**

This course provides students with knowledge in the following areas: word processing, spreadsheets and presentation software. Word processing topics include creating, customizing, and organizing documents by using formatting and visual content that is appropriate for the information presented. Spreadsheet topics include creating and manipulating data, formatting data and content, creating and modifying formulas, presenting data visually, and collaborating on and securing data. Presentation topics include creating and formatting presentation masters and templates, creating and formatting slide content, working with dynamic visual content, and collaborating on and delivering presentations. This course is designed to help prepare students for the Microsoft Certification tests in Word, Excel and PowerPoint

**Credits:** 4

**CIST 2122: A+ Preparation**

This course serves to prepare students to complete the CompTIA A+ certification examination. It will provide students with advanced knowledge of computer technology, networking, and security fundamentals. Students will possess the skills required to identify hardware, peripherals, networking components, and security components. Students will understand basic operating system functionality and troubleshooting methodology while practicing proper safety procedures and effective interaction skills with customers and peers

**Credits:** 3

**CIST 2126: Comprehensive Presentation & Email Techniques**

This course provides students with knowledge in PIM (Personal Information Management) and presentation software. Presentation topics include creating and formatting presentation masters and templates, creating and formatting slide content, working with dynamic visual content, and collaborating on and delivering presentations. Personal information manager topics include e-mail, calendar, task manager, contact manager, note taking, a journal and web browsing

**Credits:** 3

**CIST 2127: Comprehensive Word Processing Techniques**

This course provides students with knowledge in word processing software. Word processing topics include creating, customizing, and organizing documents by using formatting and visual content that is appropriate for the information presented

**Credits:** 3

**CIST 2128: Comprehensive Spreadsheet Techniques**

This course provides students with knowledge in spreadsheet software. Spreadsheet topics include creating and manipulating data, formatting data and content, creating and modifying formulas, presenting data visually, and collaborating on and securing data

**Credits:** 3



**CIST 2129: Comprehensive Database Techniques**

This course provides a study of databases beginning with introductory topics and progressing through advanced development techniques. Topics include: advanced database concepts, advanced development techniques, data integration concepts, and troubleshooting and supporting databases

**Credits:** 4

**CIST 2130: Desktop Support Concepts**

This course is designed to give an overview to Desktop Support Management

**Credits:** 3

**CIST 2311: Visual Basic I**

Visual Basic I introduces event-driven programming. Common elements of Windows applications will be discussed created and manipulated using Microsofts Visual Studio development environment. Topics include numeric data types and variables, decision making structures, arrays, validating input with strings and functions, repetition and multiple forms, test files, lists and common dialog controls

**Credits:** 4

**CIST 2371: Java Programming I**

This course is designed to teach the basic concepts and methods of objected-oriented design and Java programming. Use practical problems to illustrate Java application building techniques and concepts. Develop an understanding of Java vocabulary. Create an understanding of where Java fits in the application development landscape. Create an understanding of the Java Development Kit and how to develop, debug, and run Java applications using the JDK. Continue to develop student's programming logic skills. Topics include: JAVA Language History, JAVA Variable Definitions, JAVA Control Structures, JAVA Methods, JAVA Classes, JAVA Objects, and JAVA Graphics.

**Credits:** 4

**Prerequisites:**

CIST 1305

**CIST 2411: Microsoft Client**

Provides the ability to implement, administrator, and troubleshoot Windows Professional Client as a desktop operating system in any network environment

**Credits:** 4

**CIST 2412: Ms Server Directory Services**

Provides students with knowledge and skills necessary to install, configure, manage, support and administer Windows Server. Topics include server deployment, server management, monitor and maintain servers, application and data provisioning, and business continuity and high availability

**Credits:** 4

**CIST 2413: Ms Server Infrastructure**

Provides students with knowledge and skills necessary to install, configure, manage, support and administer Microsoft Directory Services

**Credits:** 4

**CIST 2414: Ms Server Administrator**

Provides students with knowledge and skills necessary to install, configure, manage, support and administer a Microsoft network infrastructure

**Credits:** 4

**CIST 2420: Ms Exchange Server**

Provides students with the knowledge and skills necessary to install, configure, manage, support and administer Microsoft Exchange Server.

**Credits:** 4

**Prerequisites:**

CIST 2413 n CIST 2414

**CIST 2431: Unix/Linux Introduction**

This course introduces the UNIX/Linux operating system skills necessary to perform entry-level user functions. Topics include: history of UNIX/Linux, login and logout, the user environment, user password change, the file system, hierarchy tree, editors, file system commands as they relate to navigating the file system tree, UNIX/Linux manual help pages, using the UNIX/Linux graphical desktop, and command options. In addition, the student must be able to perform directory and file displaying, creation, deletion, redirection, copying, moving, and linking files, wildcards, determining present working directory and changing directory locations

**Credits:** 4

**CIST 2441: Network Home & Small Business**

This course teaches students the skills needed to obtain entry-level home network installer jobs. It also helps students develop some of the skills needed to become network technicians, computer technicians, cable installers, and help desk technicians. It provides a hands-on introduction to networking and the Internet using tools and hardware commonly found in home and small business environments. Instructors are encouraged to facilitate field trips and outside-the-classroom learning experiences. Labs include PC installation, Internet connectivity, wireless connectivity, and file and print sharing

**Credits:** 4

**CIST 2442: Working at Sm-Med Bus or ISP**

This course prepares students for jobs as network technicians and helps them develop additional skills required for computer technicians and help desk technicians. It provides a basic overview of routing and remote access, addressing, and security. It also familiarizes students with servers that provide email services, web space, and authenticated access. Students learn about the soft skills required for help desk and customer service positions, and the final chapter helps them prepare for the CCENT certification exam. Network monitoring and basic troubleshooting skills are taught in context.

**Credits:** 4

**Prerequisites:**

CIS 2321

**CIST 2443: CISCO Routing and Switching**

The students will be familiarized with the equipment applications and protocols installed in enterprise networks, with a focus on switched networks, IP Telephony requirements, and security. It also introduces advanced routing protocols such as Enhanced Interior Gateway Routing Protocol (EIGRP) and Open Shortest Path First (OSPF) Protocol.

**Credits:** 4

**Prerequisites:**

CIST 2441 or CIS 2322

**CIST 2444: Designing & Supporting Computer Networks**

This course introduces students to network design processes using two examples; a large stadium enterprise network and a medium-sized film company network. Students follow a standard design process to expand and upgrade each network, which includes requirements gathering, proof-of-concept, and project management. Lifecycle services, including upgrades, competitive analyses, and system integration, are presented in the context of pre-sale support. In addition to the Packet Tracer and lab exercises found in the previous courses, there are many pen-and-paper and role playing exercises that students complete while developing their network upgrade proposals.

**Credits:** 4

**Prerequisites:**

CIST 2442

CIST 2443

**CIST 2451: Introduction to Networks**

This course provides students with classroom and laboratory experience in current and emerging network technology. Topics include basics of communication, converged networks, OSI and TCP/IP network models, Application layer protocols, services, and applications, Transport layer protocols and services, Network layer addressing and routing concepts, IPv4 and IPv6, calculating IPv4 subnets, Data Link layer and the encapsulation process, Physical layer components and data encoding, Ethernet and network protocol analysis, network cabling, and basic network configuration

**Credits:** 4

**CIST 2452: CISCO Routing and Switching Essentials**

The goal is to develop an understanding of how a router learns about remote networks and determines the best path to those networks. Topics include basics of routing, static routing, dynamic routing, distance vector routing, distance vector routing protocols, VLSM and CIDR, routing table in-depth, link state routing, and link state routing protocols.

**Credits:** 4

**Prerequisites:**

CIST 2451

**CIST 2453: CISCO Scaling Networks**

The goal is to develop an understanding of how switches are interconnected and configured to provide network access to LAN users. This course also teaches how to integrate wireless devices into a LAN. Topics include LAN design, basic switch concepts and configuration, VLAN concepts and configuration, VTP concepts and configuration, STP concepts and configuration, Inter-VLAN routing, and basic wireless concepts and configuration.

**Credits:** 4

**Prerequisites:**

CIST 2451

**CIST 2454: CISCO Connecting Networks**

Provides students with classroom and laboratory experience in current and emerging network technology. Topics include: introduction to WANs, WAN protocols, basic network security and ACLs, remote access, IP addressing services, and network troubleshooting.

**Credits:** 4

**Prerequisites:**

CIST 2452

CIST 2453

**CIST 2455: CISCO CCNA Security**

Cisco Networking Academy CCNA Security course provides a next step to build upon the concepts and skills acquired in the four Cisco Networking Academy CCNA courses. It is for individuals who want to enhance their CCNA-level skill set and help meet the growing demand for network security professionals. It covers network security principles, tools, and configuration practices to enhance network security. Students will acquire the skills needed to design, implement, and support network security

**Credits:** 4

**CIST 2510: Web Technologies**

In Web Technologies, students will investigate one or more software packages that help automate Web content creation. Students will explore and utilize various features of software packages such as CSS, multimedia incorporation, scripting technologies, form creation, search functionality, advanced image techniques and database connectivity

**Credits:** 3

**CIST 2550: Web Development II (DBASE Connect)**

Web Development II teaches students how to manipulate data in a database using the Open Database Connectivity (ODBC) model. Students will learn to retrieve, update, and display database information with a web application. Database access may be accomplished using a web programming language (such as PHP, Microsoft VB, Microsoft C#, or Sun Java). Topics include manipulating data in a database, working with a relational database via Open Database Connectivity (ODBC), working with different database systems, developing forms and applications to interact with a database server(s), modifying data in a database, and controls and validation

**Credits:** 3

**CIST 2601: Implementing Operating System Security**

This course will provide knowledge and the practical experience necessary to configure the most common server platforms. Lab exercises will provide students with experience of establishing operating systems security for the network environment

**Credits:** 4

**CIST 2602: Network Security**

This course provides knowledge and the practical experience necessary to evaluate, implement and manage secure information transferred over computer networks. Topics include network security, intrusion detection, types of attacks, methods of attacks, security devices, basics of cryptography and organizational security elements.

**Credits:** 4

**Prerequisites:**

CIST 1401 or CIST 2451 or CIST 2441, CIST 1601

**CIST 2611: Implementing Inter/Intranet Firewalls**

Students will learn how to plan, design, install and configure firewalls that will allow key services while maintaining security. This will include protecting the Internal IP services, configuring a firewall for remote access and managing a firewall.

**Credits:** 4

**Prerequisites:**

CIST 1401 or CIST 2451 or CIST 2441, CIST 1601

**CIST 2612: Computer Forensics**

This course examines the use of computers in the commission of crimes, collection, analysis and production of digital evidence. Students will use computer resources to explore basic computer forensic investigation techniques.

**Credits:** 4

**Prerequisites:**

CIST 1122

CIST 1601

**CIST 2613: Ethical Hacking & Penetration**

**Credits:** 4

**CIST 2921: It Analysis Design & Project Management**

IT Analysis, Design, and Project Management will provides a review and application of systems life cycle development methodologies and project management. Topics include: Systems planning, systems analysis, systems design, systems implementation, evaluation, and project management

**Credits:** 4

**CIST 2991: Cist Internship I (Capstone)**

Provides the instructor and student a 3 credit hour opportunity to develop special learning environments. Instruction is delivered through occupational work experiences, practicums, advanced projects, industry sponsored workshops, seminars, or specialized and/or innovative learning arrangements. To attain additional internship credit hours, the student can take CIST2992 (4 credit hours) and/or CIST2993 (5 credit hours)

**Credits:** 3

## Construction Courses

**COFC 1010: Introduction to Construction**

This course covers the introduction to the different crafts in the building trades through an overview of the building process. The student is also introduced to the attitudes in life skills required to succeed in the construction industry. Topics include an introduction to the construction trades, workplace expectations, professional ethical standards,, proper practices, fundamentals of measurement, working in teams, learning for success, and life skills.

**Credits:** 2

**Prerequisites:**

None.

**Co-Requisites:**

None

**COFC 1011: Overview of Building Construction Practices and Materials**

This course covers the introduction to a residential construction project from start to finish. Topics to include preparing to build, tools and equipment, building foundations, wood frame construction, completing the structure, finish carpentry, construction specialties, and materials and fasteners used in the construction industry

**COFC 1020: Professional Tool Use and Safety**

This course provides instruction in the use of professional tools for the construction trades. Emphasis will be placed on the safe use of each tool discussed. Topics include layout and measuring tools, cutting tools, sawing tools, drilling and boring tools, finishing and fastening tools, general shop tool use, and job site setup

**COFC 1050: Construction Print Reading Fundamentals**

This course introduces the reading and interpretation of prints and architectural drawings for all of the construction trades. Topics include types of plans, scales, specifications, conventions, and schedules

**COFC 1080: Construction Trades Core**

This course introduces the student to the basic fundamentals of the construction trades. Topics include Basic Safety, Construction Math, Hand and Power Tools, Construction Drawings, Rigging, Materials Handling, and Job-Site Communication and Work Ethic Skills

## Cosmetology Courses

**COSM 1000: Introduction to Cosmetology Theory**

Introduces fundamental both theory and practices of the cosmetology profession. Emphasis will be placed on professional practices and safety. Topics include: state rules, and regulations; state regulatory agency, image; bacteriology; decontamination and infection control, chemistry fundamentals, safety, Hazardous Duty Standards Act compliance, and anatomy and physiology.

**Credits:** 4

**COSM 1010: Chemical Texture Services**

Provides instruction in the chemistry and chemical reactions of permanent wave solutions and relaxers, application of permanent waves and relaxers. Precautions and special problems involved in applying permanent waves and relaxers will be emphasized. Topics include: permanent wave techniques, chemical relaxer techniques, chemistry, physical and chemical change, safety procedures, permanent wave and chemical relaxer application procedures, hair analysis, scalp analysis, permanent wave procedures (in an acceptable time frame), relaxer application (in an acceptable time frame), and Hazardous Duty Standards Act Compliance.

**Credits:** 3

**Co-Requisites:**  
COSM 1000

**COSM 1020: Hair Care and Treatment**

Introduces the theory, procedures and products used in the care and treatment of the scalp and hair, disease and disorders and their treatments and the fundamental theory and skills required to shampoo, condition, and recondition the hair and scalp.

**Credits:** 3

**Co-Requisites:**  
COSM 1000

**COSM 1030: Haircutting**

Introduces the theory and skills necessary to apply haircutting techniques, advanced haircutting techniques, proper safety and decontamination precautions, hair design elements, cutting implements, head, hair and body analysis, and client consultation.

**Credits:** 3

**Co-Requisites:**  
COSM 1000

**COSM 1040: Styling**

Introduces the fundamental theory and skills required to create shapings, pin curls, fingerwaves, roller placement, blow dry styling, thermal curling, thermal pressing, thermal waving, artificial hair and augmentation, and comb-outs. Laboratory training includes styling training on manikin. Topics include: braiding/intertwining hair, styling principles, pin curls, roller placement, fingerwaves, skip waves, ridge curls, blow dry styling, thermal curling, thermal pressing, thermal waving, artificial hair and augmentation, comb-outs, and safety precautions.

**Credits:** 3

**Co-Requisites:**  
COSM 1000

**COSM 1050: Hair Color**

Introduces the theory and application of temporary, semipermanent, demipermanent-deposit only, and permanent hair coloring, hair lightening, and color removal products and application. Topics include: principles of color theory, hair structure, color, tone, classifications of color, hair lightening, color removal, application procedures, safety precautions, client consultation, product knowledge, haircolor challenges, corrective solutions, and special effects.

**Credits:** 3

**Co-Requisites:**  
COSM 1000

**COSM 1060: Fundamentals of Skin Care**

This course provides a comprehensive study in care of the skin for theory and practical application. Emphasis will be placed on client consultation, safety precautions, skin conditions, product knowledge, basic facials, facial massage, corrective facial treatments, hair removal, and make-up application. Other topics in this course include advanced skin treatments in electrotherapy, light therapy, galvanic current, high frequency, and microdermabrasion.

**Credits:** 3

**Co-Requisites:**  
COSM 1000

**COSM 1070: Nail Care & Advanced Techniques**

Provides training in manicuring, pedicuring and advanced nail techniques. Topics include: implements, products and supplies, hand and foot anatomy and Physiology, diseases and disorders, manicure techniques, pedicure techniques, nail product chemistry, safety precautions and practices, and advanced nail techniques (wraps/tips/acrylics).

**Credits:** 3

**Co-Requisites:**  
COSM 1000

**COSM 1080: Physical Hair Services Practicum**

Provides laboratory experiences necessary for the development of skill levels required to be a competent cosmetologist. The allocation of time to the various phases of cosmetology is required by the Georgia State Board of Cosmetology. This course includes a portion of the required hours for licensure.

Topics include: permanent waving and relaxers; various hair color techniques, foiling and lightening; skin, scalp, and hair treatments; haircutting; styling; manicure/pedicure/advanced nail techniques; dispensary; reception; safety precautions/decontamination; and Hazardous Duty Standards Act compliance.

**Credits:** 3

**Prerequisites:**

COSM 1000  
COSM 1010  
COSM 1020  
COSM 1030

**COSM 1090: Hair Services Practicum I**

Provides laboratory experiences necessary for the development of skill levels required to be a competent cosmetologist. The allocation of time to the various phases of cosmetology is prescribed by the Georgia State Board of Cosmetology. This course includes a portion of the hours required for licensure.

Topics include: permanent waving and relaxers; hair color, foiling, lightening, skin, scalp, and hair treatments; haircutting; clipper design, precision cutting, styling; dispensary; manicure/pedicure/advanced nail techniques; reception; safety precautions/decontamination; Hazardous Duty Standards Act compliance; product knowledge, customer service skills, client retention, State Board Rules and Regulations guidelines, and State Board foundation prep.

**Credits:** 3

**Co-Requisites:**

COSM 1050

**COSM 1100: Hair Services Practicum II**

Provides experience necessary for professional development and completion of requirements for state licensure. Emphasis will be placed on the display of professional conduct and positive attitudes. The appropriate number of applications for completion of state board service credit requirements for this course may be met in a laboratory setting. Topics include: texture services; permanent waving and relaxers; haircolor and lightening; skin, scalp, and hair treatment; haircutting; styling; dispensary; manicure/pedicure/advanced nail techniques; reception; safety precautions/decontamination; and Hazardous Duty Standards Act compliance.

**Credits:** 3

**Co-Requisites:**

COSM 1090

**COSM 1110: Hair Services Practicum III**

Provides experience necessary for professional development and completion of requirements for state licensure. Emphasis will be placed on the display of professional conduct and positive attitudes. The requirements for this course may be met in a laboratory setting. Topics include: permanent waving and relaxers; hair color and bleaching; skin, scalp, and hair treatments; haircutting; dispensary; styling; manicure/pedicure/advanced nail techniques; reception; safety precautions/decontamination; Hazardous Duty Standards Act compliance; and state licensure preparation.

**Credits:** 3

**Co-Requisites:**

COSM 1100

**COSM 1115: Hair Services Practicum IV**

This course provides experience necessary for professional development and completion of requirements for state licensure. Emphasis will be placed on the display of professional conduct and positive attitudes. The requirements for this course may be met in a laboratory setting. Topics include: permanent waving and relaxers; hair color and lightening; hair and scalp treatments; haircutting; dispensary; styling; reception; safety precautions/decontamination; Hazardous Duty Standards Act compliance; and state licensure preparation.

**Credits:** 2

**Prerequisites:**

COSM 1110  
COSM 1010  
COSM 1020  
COSM 1030

**COSM 1120: Salon Management**

Emphasizes the steps involved in opening and operating a privately owned salon. Topics include: law requirements regarding employment, tax payer education / federal and state responsibilities, law requirements for owning and operating a salon business, business management practices, and public relations and career development.

**Credits:** 3

**Co-Requisites:**

COSM 1000

**COSM 1125: Skin & Nail Care Practicum**

This course provides experience necessary for professional development and completion of requirements for state licensure. Emphasis will be placed on the display of professional conduct and positive attitudes. The appropriate number of applications for completion of state board service credit requirements for this course may be met in a laboratory setting. Topics include: skin treatment; dispensary; manicure/pedicure/advanced nail techniques; reception; safety precautions/decontamination; and Hazardous Duty Standards Act compliance.

**Credits:** 2

**Co-Requisites:**

COSM 1060

COSM 1070

## Criminal Justice Courses

**CRJU 1010: Introduction to Criminal Justice**

Introduces the development and organization of the criminal justice system in the United States. Topics include: the American criminal justice system; constitutional limitations; organization of enforcement, adjudication, and corrections; and career opportunities and requirements.

**Credits:** 3

**CRJU 1021: Private Security**

Provides an orientation to the development, philosophy, responsibility, and function of the private security industry. A historical and philosophical perspective of private security will help students better understand the present stage of private security, its principles, its legal authority and its effect on society in general. Topics include: private security: an overview; basic security goals and responsibilities; when prevention fails; and security systems at work: putting it all together.

**Credits:** 3

**CRJU 1030: Corrections**

Provides an analysis of all phases of the American correctional system and practices, including its history, procedures, and objectives. Topics include: history and evolution of correctional facilities; legal and administrative problems; institutional facilities and procedures; probation, parole, and prerelease programs; alternative sentencing; rehabilitation; community involvement; and staffing.

**Credits:** 3

**CRJU 1040: Principles of Law Enforcement**

This course examines the principles of the organization, administration, and duties of federal, state and local law enforcement agencies. Topics include: history and philosophy of law enforcement, evaluation of administrative practices, problems in American law enforcement agencies, emerging concepts, professionalism, and community crime prevention programs.

**Credits:** 3

**CRJU 1043: Probation and Parole**

This course will cover the history of both juvenile and adult probation as well as the history of parole. The probation and parole systems will be covered generally with a special emphasis on the Georgia systems and related laws. Topics include: history and philosophy of probation and parole; function of the probation and parole systems; Georgia law related to probation and parole; characteristics and roles of probation and parole officers; and special issues and programs of probation and parole.

**Credits:** 3

**CRJU 1050: Police Patrol Operations**

This course presents the knowledge and skills associated with police patrol operations. Emphasis is placed on patrol techniques, crimes in progress, crisis intervention, domestic disputes, Georgia Crime Information Center procedures, electronics communications and police reports. Topics include: foundations, policing skills and communication skills

**Credits:** 3

**CRJU 1052: Criminal Justice Admin.**

This course explores the managerial aspects of effective and efficient police administration. Emphasis is directed towards increasing organizational skills and overcoming interdepartmental and inter-agency non-communication. Topics include: environmental management, human resources, and organizational concerns.

**Credits:** 3

**CRJU 1056: Police Traffic Control & Investigation**

This course examines enforcement of traffic laws and procedures for traffic accident investigation. Emphasis is placed on Georgia traffic laws, traffic law enforcement, recognition of impaired driving, and traffic accident investigation. Topics include: regulations, impaired driving, and traffic accident investigation.

**Credits:** 3

**CRJU 1062: Methods of Criminal Investigation**

This course presents the fundamentals of criminal investigation. The duties and responsibilities of the investigator both in field and in the courtroom are highlighted. Emphasis is placed on techniques commonly utilized by investigative personnel as well as the procedures used for investigating various crimes.

**Credits:** 3

**CRJU 1063: Crime Scene Processing**

This course presents students with practical exercises dealing with investigating crime scenes and gathering various forms of physical evidence. Emphasis is placed on crime scene assessment, search, fingerprinting, and evidence collection. Topics include: crime scene management, evidence characteristics, identification, documentation and collection as well as techniques for developing and lifting latent fingerprints.

**Credits:** 3

**CRJU 1065: Community-Oriented Policing**

Presents the fundamentals for the community-oriented policing philosophy, including the comparison of traditional and community policing philosophies; law enforcement and community relationships; importance of political and public support and involvement; attitudinal changes involving the roles of police management, supervisors and line personnel; creation of partnerships with community organizations, businesses, private security, other governmental agencies, and special interest groups; and police problem-solving methodologies. Topics include: foundations of community-oriented policing, partnerships and problem-solving in community-oriented policing, and community-oriented policing projects and programs.

**Credits:** 3

**CRJU 1068: Criminal Law for Criminal Justice**

This course introduces criminal law in the United States, but emphasizes the current specific status of Georgia criminal law. The course will focus on the most current statutory contents of the Official Code of Georgia Annotated (O.C.G.A.) with primary emphasis on the criminal and traffic codes. Topics include: historic development of criminal law in the United States; statutory law, Georgia Code (O.C.G.A.) Title 16: Crimes and Offenses; statutory law, Georgia Code (O.C.G.A.) Title 40: Motor Vehicle and Traffic Offenses; and Supreme Court rulings that apply to criminal law.

**Credits:** 3

**CRJU 1072: Introduction to Forensic Science**

The origin, history and role of forensic science in the investigative process. Philosophical, rational and practical framework that supports a case investigation will be outlined. The unifying principles of forensic science, the rooting of forensic science in the pure sciences, and the unique ways in which a forensic scientist must think will also be discussed. The special areas of forensic science will be explored.

**Credits:** 3

**CRJU 1074: Application in Introductory Forensics**

This course complements CRJU 1072: Introduction to Forensics, focusing particularly on the practical application of forensic science in law enforcement including the following: crime scene investigation; interview and interrogation techniques; as well as case preparation and courtroom testimony.

**Credits:** 3



**CRJU 1075: Report Writing**

Explains and demonstrates the effectiveness of the entire criminal investigation process by the quality of notes reports, and accurate documentation. An examination of what goes into the preparation, content, elements, mechanics, and format of documenting the criminal investigation process. Topics include: Field notes, initial information, observations, evidence, victims, witnesses, property, neighborhood canvass, crime scene, laboratory analysis and results, investigative follow-up, suspect statements, and the characteristics essential to quality report writing.

**Credits:** 3

**CRJU 1400: Ethic & Cultural Perspectives for Criminal Justice**

This course provides an exploration ethics and cultural perspectives in criminal justice. In presenting ethics, both the individual perspective and the organizational standpoint will be examined. Four areas of ethical decision making opportunities are studied including: law enforcement ethics; correctional ethics; legal profession ethics; and policymaking ethics. The presentation of cultural perspectives is designed to aid law enforcement officers to better understand and communicate with members of other cultures with whom they come in contact in the line of duty. Topics include: defining and applying terms related to intercultural attitudes, role-play activities related to intercultural understanding, developing interpersonal/ intercultural communication competence, and development of personal intercultural growth plan.

**Credits:** 3

**CRJU 2020: Constitutional Law**

This course emphasizes those provisions of the Bill of Rights which pertain to criminal justice. Topics include: characteristics and powers of the three branches of government; principles governing the operation of the U.S. Constitution, the Bill of Rights and the Fourteenth Amendment.

**Credits:** 3

**CRJU 2050: Criminal Procedure**

Introduces the substantive law of major crimes against persons and property. Attention is given to observation of courtroom trials. Topics include: laws of arrest and search and seizure; procedures governing arrest, trial, and administration of criminal sanctions; rules of evidence; general court procedures; rights and duties of officers and citizens; and Supreme Court rulings that apply to Law Enforcement/ Overview of Constitutional Law.

**Credits:** 3

**CRJU 2060: Criminology**

Introduces the nature, extent, and factors related to criminal behavior, and the etiology of criminal offenses and offenders. Topics include: sociological, psychological, and biological causes of crime; effectiveness of theories in explaining crime; theory integration; and application of theory to selected issues.

**Credits:** 3

**CRJU 2070: Juvenile Justice**

Analyzes the nature, extent, and causes of juvenile delinquency, and examines processes in the field of juvenile justice. Topics include: survey of juvenile law, comparative analysis of adult and juvenile justice systems, and prevention and treatment of juvenile delinquency.

**Credits:** 3

**CRJU 2090: Criminal Justice Practicum**

Provides experiences necessary for further professional development and exposure to related agencies in the criminal justice field. The student will pursue a professional research project supervised by the instructor. Topics include: criminal justice theory applications.

**Credits:** 3

**CRJU 2100: Criminal Justice Externship**

Provides experiences necessary for further professional development and exposure to related agencies in the criminal justice field. The student will pursue an externship in a related agency supervised by the instructor. Topics include: criminal justice theory applications.

**Credits:** 3

**CRJU 2110: Homeland Security**

The course provides an introduction to the principles of homeland security, roles and responsibilities of constituencies and implications for criminal justice fields. Topics include: intelligence and warning, border and transportation security, domestic counterterrorism, protecting critical infrastructure, defending against catastrophic threats, and emergency preparedness and response.

**Credits:** 3

**CRJU 2201: Criminal Courts**

This course examines the historical context on the development, functions, and controversies in the courts system. Topics include: introduction to the courts; participants of a trial; courtroom processes; and the post-conviction process.

**Credits:** 3

# Culinary Arts Courses

## **CUUL 1000: Fundamentals of Culinary Arts**

Provides an overview of the professionalism in culinary arts, culinary career opportunities, Chef history, pride, and esprit d corp. Introduces principles and practices necessary to food, supply, and equipment selection, procurement, receiving, storage, and distribution. Topics include: cuisine, food service organizations, career opportunities, food service styles, basic culinary management techniques, professionalism, culinary work ethics, quality factors, food tests, pricing procedures, cost determination and control, selection, procurement, receiving, storage, and distribution. Laboratory demonstration and student experimentation parallel class work.

**Credits:** 4

## **CUUL 1110: Culinary Safety and Sanitation**

Emphasizes fundamental kitchen and dining room safety, sanitation, maintenance, and operation procedures. Topics include: cleaning standards, O.S.H.A. M.S.D.S. guidelines, sanitary procedures following SERV-SAFE guidelines, HACCAP, safety practices, basic kitchen first aid, operation of equipment, cleaning and maintenance of equipment, dishwashing, and pot and pan cleaning. Laboratory practice parallels class work.

**Credits:** 2

## **CUUL 1120: Principles of Cooking**

This course introduces fundamental food preparation terms, concepts, and methods. Course content reflects American Culinary Federation Educational Institute apprenticeship training objectives. Topics include: weights and measures, conversions, basic cooking principles, methods of food preparation, recipe utilization, and nutrition. Laboratory demonstrations and student experimentation parallel class work.

**Credits:** 6

### **Prerequisites:**

CUUL 1110  
COSM 1010  
COSM 1020  
COSM 1030

# Diesel Equipment Technology Courses

## **DIET 1000: Introduction to Diesel Technology**

This course introduces basic knowledge and skills the student must have to succeed in the Diesel Equipment Technology field. Topics include an overview of diesel powered vehicles, diesel technology safety skills, basic tools and equipment, reference materials, measuring instruments, shop operation, mechanical fasteners, welding safety, and basic welding skills. Classroom and lab experiences on safety, precision measuring, and basic shop practices are highly emphasized.

**Credits:** 3

## **DIET 1010: Diesel Electrical/ Electronics**

This course introduces students to electrical and electronic systems used on medium/heavy duty trucks and heavy equipment. Topics include: general electrical system diagnosis, battery diagnosis and repair, starting system diagnosis and repair, charging system diagnosis and repair, lighting system diagnosis and repair, gauges and warning devices, and an introduction and familiarization with electrical and electronic systems.

**Credits:** 7

### **Prerequisites:**

DIET 1000

## **DIET 1020: Preventive Maintenance**

This course introduces preventive maintenance procedures pertaining to medium/heavy duty trucks and heavy equipment. Topics include: engine systems; cab and hood; heating, ventilation and air conditioning (HVAC); electrical and electronics; frame and chassis.

**Credits:** 5

### **Prerequisites:**

DIET 1010

## **DIET 1030: Diesel Engines**

This course introduces diesel engines used in medium/heavy duty trucks and heavy equipment. Topics include: general engine diagnosis, cylinder head and valve train, engine block, engine lubrication system, hydraulic pumps, engine cooling, air induction, exhaust, fuel supply systems, electronic fuel management, and engine brakes. Using and interpreting test and measuring equipment is highly emphasized.

**Credits:** 6

### **Prerequisites:**

DIET 1010

**DIET 1040: Diesel Truck & Heavy Equipment HVAC**

This course introduces systems used in medium/heavy duty trucks and heavy equipment. Classroom instruction on HVAC theory and operation along with local, state, and federal regulations are strongly emphasized. Topics include: HVAC safety, HVAC system theory and operation, A/C system component diagnosis and repair, HVAC system diagnosis and repair, HVAC operating systems and related controls, and refrigeration recovery, recycling, and handling procedures.

**Credits:** 3

**Prerequisites:**

DIET 1010

**DIET 1050: Diesel Engine Tech Internship**

This internship provides the student work experience in the occupational environment. Topics include: application of prerequisite knowledge and skills, problem solving, adaptability to job setting equipment and technology, and development of productivity and quality job performance through practice. The student's internship experience may be implemented through the use of written individualized training plans, written performance evaluations, and required integrative experiences at the internship site.

**Credits:** 4

**Prerequisites:**

DIET 1000

DIET 1010

DIET 1030

**DIET 2001: Heavy Equipment Hydraulics**

This course introduces the student to basic hydraulic fundamentals, components, system servicing, symbols and schematics. The student will learn component operation and service techniques for maintaining a hydraulic system. The student will also learn to identify the ISO symbols used on hydraulic schematics and to trace the hydraulic schematics. Topics include: general system operation; basic hydraulic principles; hydraulic system components; hydraulic control valves; load sensing pressure control systems; pilot operated hydraulic system operation; and hydraulic actuators.

**Credits:** 6

**Prerequisites:**

DIET 1000

DIET 1010

DIET 1030

**DIET 2010: Truck Brake Systems**

This course introduces air and hydraulic brake systems used on medium/heavy duty trucks. Classroom theory on brake systems along Federal Motor Vehicle Safety Standards (FMVSS) is strongly emphasized. Topics include: introduction to hydraulic systems and safety; air brakes air supply and system service; air brakes mechanical service; parking brakes; hydraulic brake system and service; hydraulic brakes mechanical service; hydraulic brakes power assist units; anti-lock brake systems (ABS) and automatic traction control (ATC); and wheel bearings.

**Credits:** 4

**DIET 2011: Off Road Drivelines**

This course introduces power trains used on heavy equipment such as bulldozers, excavators, wheel loaders, back-hoe loaders and skidders. Classroom and lab instruction on components and systems with use and interpreting testing and diagnosing equipment are highly emphasized. Topics include: power train theory and principles, clutches, manual transmissions, drive shafts, differentials, final drives, special drives, final drive failure analysis, torque converters, hydraulically shifted transmissions, electronic transmissions, hydrostatic transmissions, and transmission failure analysis.

**Credits:** 6

**Prerequisites:**

DIET 1000

DIET 1010

**DIET 2020: Truck Drive Trains**

This course introduces drive train systems used on medium/heavy duty trucks. Topics include: clutches, transmissions, drive shafts and universal joints, and drive axles.

**Credits:** 4

**Co-Requisites:**

DIET 1000

DIET 1010

## Drafting Courses

**DFTG 1015: Practical Mathematics-Drafting**

This course introduces and develops basic geometric and trigonometric concepts. Course content will emphasize geometric concepts and trigonometric concepts as they pertain to drafting/CAD.

**Credits:** 3

**DFTG 1101: CAD Fundamentals**

Establishes safety practices as they relate to a drafting environment. Introduces basic CAD functions while presenting essential principles and practices for line relationships, scale, and geometric construction.

**Credits:** 4

**DFTG 1103: Multiview/Basic Dimensioning**

Technical Drawing I provides multiview and pictorial sketching, orthographic drawing and fundamental dimensioning methods necessary to develop 2D and 3D views that completely describe machine parts for manufacture using intermediate CAD software techniques.

**Credits:** 4

**DFTG 1105: 3D Mechanical Modeling**

In the 3D Mechanical Modeling course, the student becomes acquainted with concepts of the software related to Parametric modeling for mechanical drafting. The student will develop the skills necessary to create 3D models and presentation/working drawings.

**Credits:** 4

**DFTG 1107: Advanced Dimensioning/Section Views**

Technical Drawing II continues dimensioning skill development and introduces tools for precision measurement and sectional views.

**Credits:** 4

**DFTG 1109: Auxiliary Views/Surface Development**

Introduces techniques necessary for auxiliary view drawings, surface development, and developing sheet metal parts. Topics include: primary auxiliary views, secondary auxiliary views, surface development, and developing sheet metal parts.

**Credits:** 4

**DFTG 1111: Fasteners**

This course covers the basics of identifying fastening techniques, interpreting technical data, and create working drawings. Topics include utilization of technical data, identifying thread types, graphic representation of threaded fasteners, and utilization of other fastening techniques, welding symbol identification, and welding symbol usage in working drawings.

**Credits:** 4

**DFTG 1113: Assembly Drawings**

Technical Drawing V provides knowledge and skills necessary to create working drawings for the manufacture of machine parts. Topics include: detail drawings, orthographic assembly drawings, pictorial assembly drawings, and utilization of technical reference source.

**Credits:** 4

**DFTG 1125: Architectural Fundamentals**

Introduces architectural fundamental principles and practices associated with architectural styles and drawing. Fundamentals residential and commercial practices will be covered. Topics include: specifications and materials; architectural styles, construction drawing practices and procedures, dimensioning and scales.

**Credits:** 4

**DFTG 1127: Architectural 3D Modeling**

In the Architectural 3D Modeling course, the student becomes acquainted with concepts of the software related to Parametric modeling for Architectural drafting. The student will develop the skills necessary to create 3D models and presentation/constructions drawings.

**Credits:** 4

**DFTG 1129: Residential Drawing I**

Introduces the essential skills necessary for assessing the expected materials, labor requirements and costs for given structures or products also students will be introduced to architectural drawing skills necessary to produce a basic set of construction drawings given floor plan information. Topics include: material take-offs; footing and foundation; floor plans; exterior elevations; site plans; and construction drawing techniques/practices.

**Credits:** 4

**DFTG 1131: Residential Drawing II**

Continues in-depth architectural drawing practice and develops architectural design skills. Plans are designed to meet applicable codes. Topics include: material take-offs; footing and foundation; floor plans; exterior elevations; site plans; and construction drawing techniques/practices.

**Credits:** 4

**DFTG 1133: Commercial Drawing I**

Introduces commercial drawing skills necessary to produce construction drawings given floor plan information. Topics include: structural steel detailing, reflected ceiling plans, rebar detailing, and commercial construction drawings.

**Credits:** 4

**DFTG 2010: Engineering Graphics**

Covers the basics of computer terminology, input and output devices, file formatting, file management, for CAD software. Introduces students to the fundamentals of geometric construction, scale reading line relationship and basic history of the drafting concepts. Student will also be introduced to basic and intermediate CAD commands and procedures, and drafting concepts and principals.

**Credits:** 4

**DFTG 2020: Visualization and Graphics**

This course is an introduction to engineering graphics and component visualization. Sketching, line drawing, computer assisted drafting solid modeling including parametric modeling are practiced. Development of working drawings and requirements for drawing in a manufacturing and rapid pro-type environment are emphasized.

**Credits:** 4

**DRFT 2000: Public Works Infrastructure**

This course introduces the student to the methods of maintaining the most common public works infrastructures. Emphasis will be placed on the different aspects of roadway maintenance, utility maintenance, and fleet management.

**Credits:** 3

**DRFT 2005: Plan Reading**

This course introduces the reading and interpretation of construction drawings. Topics include: roadway plans, right of way, plan notations and symbols, and Georgia standards and specification.

**Credits:** 3

**DRFT 2010: Construction Materials**

This course covers the fundamental construction materials and their engineering properties. Material properties such as aggregates, asphalt, Portland cement concrete, steel and masonry are covered. Topics include: material properties, materials testing, and material selection and use.

**Credits:** 4

**DRFT 2020: Construction Materials and Cost Estimating**

This course introduces the student to roadway and bridge construction materials and to cost estimation methods for a roadway project or project components. Topics include: initial construction, pavement construction, bridge construction, and cost estimating.

**Credits:** 3

**DRFT 2030: Project Management**

This course introduces the student to the basic concepts and procedures used in managing a highway construction project. Emphasis will be placed on administering the contract and ensuring that construction is completed according to the contract. Topics include: contract administration, specifications, documentation, and project management.

**Credits:** 3

**DRFT 2040: Highway Design**

This course provides students with a basic understanding of design and construction of roadway and highway systems. Major topics include: geometric design, drainage design and computation, storm water management, and erosion control.

**Credits:** 3

**DRFT 2050: Surveying I**

Introduces fundamental plane surveying concepts, instruments, and techniques. Topics include: linear measurements; instrument use; and angles, bearings, and directions.

**Credits:** 2

**DRFT 2060: Route Location and Design**

Provides the fundamentals of proper highway design. Students have opportunities to participate in actual field stakeout, measurement, and solution of design problems given specific parameters. Topics include: land transportation systems, ground and aerial route survey methods; circular, compound, reverse, and parabolic curves and spirals; highway design safety and limitations; intersections and interchanges; plot and field stakeout; and topographic planning.

**Credits:** 5

**DRFT 2070: Civil Tech Internship**

Provides student work experience in the occupational environment. Topics include: application of Civil Technology knowledge and skills, appropriate employability skills, problem solving, adaptability to job setting, progressive productivity, and acceptable job performance.

**Credits:** 3

# Early Childhood Care and Education Courses

## **ECCE 1101: Introduction to Ecce**

Introduces concepts relating the responsibilities and procedures involved in a variety of early childhood care situations. Topics include historical perspectives; professionalism; guidance; developmentally appropriate practices; learning environment (including all children); cultural diversity; and licensing, accreditation, and credentialing.

**Credits:** 3

## **ECCE 1103: Child Growth and Development**

Introduces the student to the physical, social, emotional, and cognitive development of the young child (prenatal through 12 years of age). The course provides for competency development in observing, recording, and interpreting growth and development stages in the young child; advancing physical and intellectual competence; supporting social and emotional development; and examining relationships between child development and positive guidance. Topics include developmental characteristics, prenatal through age 12, developmental guidance applications, observing and recording techniques, ages and stages of development, and introduction to children with special needs.

**Credits:** 3

## **ECCE 1105: Health, Safety and Nutrition**

Introduces the theory, practices, and requirements for establishing and maintaining a safe, healthy learning environment. Topics include CPR and first aid, health issues, safety issues, child abuse and neglect, and nutritional needs of children.

**Credits:** 3

## **ECCE 1112: Curriculum and Assessment**

Provides student with an understanding of developmentally effective approaches to teaching, learning, observing, documenting and assessment strategies that promote positive development for young children. The course will enable the student to establish a learning environment appropriate for young children and to identify the goals, benefits, and uses of assessment in the development of curriculum for young children. Topics include observing, documenting, and assessing; learning environments; development of curriculum plans and materials; curriculum approaches; and instructional media.

**Credits:** 3

### **Prerequisites:**

ECCE 1103

DIET 1010

## **ECCE 1113: Creative Activities for Child**

Introduces the concepts related to creativity in art, music, movement and creative drama, and facilitating children's creative expression across the curriculum. Topics include concepts of creativity and expression; theories of young children's creative development; facilitation of children's creative expression, media, methods and materials across the curriculum; appreciation of children's art processes and products; appreciation of children's creativity in music, movement and dance; appreciation of children's creative expression in play and creative drama; and art and music appreciation.

**Credits:** 3

## **ECCE 1121: Ecce Practicum**

Provides the student with the opportunity to gain a supervised experience in a practicum placement site allowing demonstration of techniques obtained from course work. Practicum topics include promoting child development and learning; building family and community relationships; observing, documenting, and assessing to support young children and families; teaching and learning; becoming a professional; and guidance techniques and classroom management.

**Credits:** 3

### **Prerequisites:**

ECCE 1105

DIET 1010

### **Co-Requisites:**

ECCE 1105

DIET 1010

**ECCE 2115: Language Arts and Literacy**

Develops knowledge, skills, and abilities in supporting young children's literacy acquisition and development, birth through age twelve. Topics include developmental continuum of reading and writing, literacy acquisition birth to five years of age, literacy acquisition in kindergarten, literacy acquisition in early grades, and literacy acquisition in children who are culturally and linguistically diverse.

**Credits:** 3

**Prerequisites:**

ECCE 1103  
DIET 1010

**Co-Requisites:**

ECCE 1103  
DIET 1010

**ECCE 2116: Math and Science**

Presents the process of introducing math and science concepts to young children. Includes planning and implementation of developmentally appropriate activities and development of math and science materials, media and methods. Topics include inquiry approach to learning; cognitive stages and developmental processes in developing math and science concepts with children birth to five; cognitive stages and developmental processes in developing math and science concepts with children in kindergarten and primary grades; planning math and science activities; and development of math and science materials, media and methods.

**Credits:** 3

**Prerequisites:**

ECCE 1103  
DIET 1010

**Co-Requisites:**

ECCE 1103  
DIET 1010

**ECCE 2201: Exceptionalities**

Provides for the development of knowledge and skills that will enable the student to understand individuals with special needs and appropriately guide their development. Special emphasis is placed on acquainting the student with programs and community resources that serve families with children with special needs. Topics include inclusion/least restrictive environment (LRE), physical and motor impairments, gifted/talented, intellectual and cognitive disabilities, emotional and behavioral disorders, communication disorders in speech and language, autism spectrum disorders, visual impairments, deaf and hard of hearing, health impairments, multiple disabilities, and community resources.

**Credits:** 3

**Prerequisites:**

ECCE 1103  
DIET 1010

**ECCE 2202: Social Issues & Family Involvement**

Enables the student to value the complex characteristics of children's families and communities and to develop culturally responsive practices which will support family partnerships. Students use their understanding to build reciprocal relationships which promote children's development and learning. Students are introduced to local programs and agencies that offer services to children and families within the community. Topics include professional responsibilities, family/social issues, community resources, family education and support, teacher-family communication, community partnerships, social diversity and anti-bias concerns, successful transitions, and school-family activities.

**Credits:** 3

**ECCE 2203: Guidance & Classroom Management**

Examines effective guidance practices in group settings based upon the application of theoretical models of child development and of developmentally appropriate practices. Focus will be given to individual, family, and cultural diversity. Topics will include developmentally appropriate child guidance (birth through 12); effective classroom management, including preventive and interventive techniques; understanding challenging behaviors; and implementing guidance plans.

**Credits:** 3

**Prerequisites:**

ECCE 1103  
DIET 1010

**ECCE 2245: Early Childhood Care and Education Internship I**

Provides the student with the opportunity to gain a supervised experience in an actual or simulated work site allowing demonstration of techniques obtained from course work. Internship topics include promoting child development and learning; building family and community relations; observing, documenting, and assessing to support young children and families; using developmentally effective approaches; using content knowledge to build meaningful curriculum; and becoming a professional.

**Credits:** 6

**Prerequisites:**

ECCE 1101  
ECCE 1103  
ECCE 1105

**ECCE 2246: Early Childhood Care and Education Internship II**

Provides the student with the opportunity to gain a supervised experience in an actual or simulated work site allowing demonstration of techniques obtained from course work. Internship topics include promoting child development and learning; building family and community relations; observing, documenting, and assessing to support young children and families; using developmentally effective approaches; using content knowledge to build meaningful curriculum; and becoming a professional.

**Credits:** 6**Prerequisites:**

ECCE 1101  
ECCE 1103  
ECCE 1105

**ECCE 2310: Paraprofessional Methods & Materials**

Develops the instructional skills to enable the student to work as a paraprofessional in a program for kindergarten through elementary age children. Topics include assessment and curriculum, instructional techniques, and methods for instruction in a learning environment.

**Credits:** 3**Prerequisites:**

ECCE 1103  
ECCE 1103  
ECCE 1105

**ECCE 2312: Paraprofessional Roles & Practices**

Develops skills to enable the student to work as a paraprofessional in a program for kindergarten through elementary aged children. Topics include professional qualifications, professional and ethical conduct, professionalism and employment, and paraprofessional roles and responsibilities.

**Credits:** 3**Prerequisites:**

ECCE 1103  
ECCE 1103  
ECCE 1105

## Economics Courses

**ECON 1101: Principles of Economics**

Provides a description and analysis of economic operations in contemporary society. Emphasis is placed on developing an understanding of economic concepts and policies as they apply to everyday life. Topics include basic economic principles; economic forces and indicators; capital and labor; price, competition, and monopoly; money and banking; government expenditures, federal and local; fluctuations in production, employment, and income; and United States economy in perspective

**Credits:** 3**ECON 2105: Macroeconomics**

Provides a description and analysis of macroeconomic principles and policies. Topics include basic economic principles, macroeconomic concepts, equilibrium in the goods and money markets, macroeconomic equilibrium and the impact of fiscal and monetary policies.

**Credits:** 3**ECON 2106: Microeconomics**

Provides an analysis of the ways in which consumers and business firms interact in a market economy. Topics include basic economic principles, consumer choice, and behavior of profit maximizing firms, modeling of perfect competition, monopoly, oligopoly and monopolistic competition.

**Credits:** 3

## Education Courses

**EDUC 2110: Investigating Critical & Contemporary Issues in Education**

This course is a critical and theoretical exploration of the "Foundations of Education" and engages students in observations, interactions, and analyses of critical and contemporary educational issues. Students will investigate issues influencing the social and political contexts of educational settings in Georgia, the United States, and globally. Students will actively examine the teaching profession from multiple vantage points both within and outside the school. Against this backdrop, students will reflect on and interpret the meaning of education and schooling in a diverse culture and examine the moral and ethical responsibilities of teaching in a democracy. Successful completion of 10 hours of field experience is required.

**Credits:** 3



**EDUC 2120: Exploring Sociocultural Perspectives and Diversity in Educational Context**

Fundamental knowledge of understanding culture and teaching children from diverse backgrounds. Specifically, this course is designed to examine the nature and function of culture; the development of individual and group cultural identity; definitions and implications of diversity; and the influence of culture on learning, development and pedagogy. Successful completion of 10 hours of field experience is required.

**Credits:** 3

**EDUC 2130: Exploring Teaching and Learning**

The study of educational psychology concepts through examination of learning and teaching processes, with the goal of applying this knowledge to enhance the learning of all students in a variety of educational settings and contexts. Successful completion of 10 hours of field experience is required.

**Credits:** 3

**EDUC 2210: Paraprofessional Internship**

Provides the student with the opportunity to gain a supervised experience in an actual work environment allowing demonstration of techniques obtained from course work. Internship topics include ethical, moral and professional conduct, effective communication skills, use of technology in the classroom, lesson delivery for varied genders, cultures, intellectual abilities, and/or varied learning styles. The student will observe, document, and assess the support of students and the teacher, deliver a group activity, and assist with the development and delivery of a classroom assessment.

**Credits:** 3

**EDUC 2220: Education Review**

Review of education as it pertains to the Georgia State certifications administered by Georgia Assessments for the Certification of Educators (GACE). Emphasis on the skills and knowledge in reading, writing, and math possessed by prospective and practicing professionals. This review will guide future educators in the certification of their ability and knowledge to assist in classroom instruction.

**Credits:** 2

## Electrical & Computer Engineering Courses

**ECET 1101: Circuit Analysis I**

Emphasizes the knowledge and ability to analyze basic DC circuits and introductory concepts of AC circuits. Topics include: international units, basic electrical laws, series and parallel circuits, network analysis concepts, network theorems concepts, D.C. instruments, grounding techniques, magnetism, inductance/capacitance, transient analysis, and introduction to dependent sources and 2-port parameters. Laboratory work parallels class work.

**Credits:** 4

**Co-Requisites:**

ENGT 1000  
MATH 1111

**ECET 1110: Digital Systems**

Study of digital circuit fundamentals with an emphasis on digital electronics and techniques, simplification of logic circuits, sequential and combinational logic circuits, programmable logic devices, flip-flops and registers, binary number system, and arithmetic and logic operations. Laboratory work parallels class work using trainers, DesignWorks, and Altera simulation software and system.

**Credits:** 4

**Prerequisites:**

ENGT 1000  
ECCE 1103  
ECCE 1105

**ECET 2101: Circuit Analysis II**

Continues study of AC circuit analysis, which emphasizes complex networks. Topics include: analysis of complex networks, networks with multiple sources, AC network theorems, resonance, transformers, three-phase systems, filters and bode plots, non-sinusoidal waveforms, and pulse response of RLC circuits. Laboratory work parallels class work.

**Credits:** 4

**Prerequisites:**

ECET 1101  
MATH 1111

**ECET 2120: Electronic Circuits**

Introduces the conduction process in semiconductor materials and devices. Topics include semiconductor physics; diodes; basic diode circuits and applications; biasing, stability and graphical analysis of bipolar junction transistors and field effect transistors; introduction to silicon controlled rectifiers; device curve characteristics; and related devices with selected applications. Laboratory work includes circuit construction, use of appropriate instruments, troubleshooting and circuit simulation using P-SPICE.

**Credits:** 4

# Electrical Systems Courses

## **ELTR 1020: Alternating Current Fundamentals**

Introduces the theory and application of varying sine wave voltages and current. Topics include: magnetism, AC wave generation, AC test equipment, inductance, capacitance, and basic transformers.

**Credits:** 3

## **ELTR 1060: Electrical Prints, Schematics & Symbols**

Introduces electrical symbols and their use in construction blueprints, electrical schematics, and diagrams. Topics include: electrical symbols, component identification, print reading and scales and measurement.

**Credits:** 2

## **ELTR 1080: Commercial Wiring I**

This course introduces commercial wiring practices and procedures. Topics include: industrial safety procedures, the National Electrical Code, Principles of Grounding and Bonding, Commercial Services, three-phase power systems, and Electric Motor Fundamentals.

**Credits:** 5

## **ELTR 1090: Commercial Wiring II**

This course is a continuation of the study in commercial wiring practices and procedures. Topics include: conduit installation and system design concepts.

**Credits:** 3

## **ELTR 1110: Electric Motors**

Introduces the fundamental theories and applications of single-phase motors. Topics include: motor theory/operating principles, motor terminology, motor identification, NEMA standards, motor efficiencies, preventive maintenance, troubleshooting/failure analysis, and NEC requirements.

**Credits:** 4

## **ELTR 1180: Electrical Controls**

Introduces line and low voltage switching circuits, manual and automatic controls and devices, and circuits. Emphasis will be placed on switching circuits, manual and automatic controls and devices, line and low voltage switching circuits, and operation, application and ladder diagrams. Topics include: ladder and wire diagrams, switching circuits, manual controls and devices, automatic controls and devices, and application and operation of controllers and controls, and variable speed controls.

**Credits:** 4

## **ELTR 1205: Residential Wiring I**

Introduces residential wiring practices and procedures. Topics include: print reading, National Electrical Code, wiring materials and methods, and control of luminaries and receptacle installation.

**Credits:** 3

## **ELTR 1210: Residential Wiring II**

Provides additional instruction on wiring practices in accordance with the National Electrical Code. Topics include: single and multi-family load calculations, single and multi-family service installations, sub-panels and feeders, and specialty circuits.

**Credits:** 3

## **ELTR 1220: Industrial PLC's**

Introduces operational theory, systems terminology, PLC installations, and programming procedures for programmable logic controls. Emphasis is placed on PLC programming, connections, installations, and start-up procedures. Topics include: PLC hardware and software, PLC functions and terminology, introductory numbering systems, PLC installation and setup, PLC programming basics, relay logic instructions, timers and counters, connecting field devices to I/O cards, and PLC safety procedures.

**Credits:** 4

### **Prerequisites:**

ELTR 1110

ELTR 1180

## **ELTR 1250: Diagnostic Troubleshooting**

Introduces diagnostic techniques related to electrical malfunctions. Special attention is given to use of safety precautions during troubleshooting. Topics include: problem diagnosis, advanced schematics, and sequential troubleshooting procedures.

**Credits:** 2

## **ELTR 1270: N.e.c. Industrial Wiring Applications**

Provides instruction in industrial wiring applications of the National Electrical Code. Topics include: rigid/IMC conduit installation, EMT conduit installation, busways installation, cable tray/wireway installation, and equipment installation (600 volts or less).

**Credits:** 4

**ELTR 1510: Electrical Worker**

Introduces work hazards present during the construction of manufacturing homes or construction sites. Emphasis is placed on the proper use of electrical tools and equipment and maintenance of these tools on the work site. Topics include hazards of electricity, safe use electrical tools and equipment, and the repair of electrical cords, plugs, lights, and switches.

**Credits:** 3

**ELTR 1520: Grounding and Bonding**

Presents the theory and practical applications for grounding and bonding systems. Emphasis will be placed on the use of the requirements of the National Electrical Code. Topics include: branch circuit grounding, equipment grounding/bonding, service grounding/bonding, and earth connections.

**Credits:** 2

**ELTR 1530: Conduit Sizing**

Provides practice in calculating conduit size. Emphasis is placed on use of the requirement of the National Electrical Code. Topics include: National Electrical Code, conduits types/trade sizes, and percent of fill.

**Credits:** 2

**ELTR 1540: Wire Pulling and Codes**

The purpose of this course is for instruction in the installation of cabling systems. Emphasis will be on the types of cabling technologies that address voice, video, and data communications and the applicable codes.

**Credits:** 3

## Electronics Courses

**ELCR 1005: Soldering Technology**

Develops the ability to solder and desolder connectors, components, and printed circuit boards using industry standards. Topics include: safety practices, soldering, desoldering, anti-static grounding, and surface mount techniques.

**Credits:** 1

**ELCR 1010: Direct Current Circuits**

This course provides instruction in the theory and practical application of simple and complex direct current circuitry. Topics include laboratory safety practices and procedures, electrical laws and principles, DC test equipment basic series, parallel and combination circuits, complex series and parallel circuits, and DC theorems.

**Credits:** 6

**ELCR 1020: Alternating Current Circuits**

This course introduces the theory and application of varying sine wave voltages and current, and continues the development of AC concepts with emphasis on constructing, verifying, and troubleshooting reactive circuits using RLC theory and practical application. Topics include AC wave generation, frequency and phase relationship, impedance, admittance, and conductance power factors, reactive components simple RLC circuits, AC circuit resonance, passive filters, and non-sinusoidal wave forms.

**Credits:** 7

**Prerequisites:**

ELCR 1010  
MATH 1111

**ELCR 1030: Solid State Devices**

This course provides instruction in the theory and application of solid state devices in the electronics industry. Emphasis is placed on the physical characteristics and uses of solid state devices. Topics include PN diodes, power supplies, voltage regulation, bipolar junction theory and application, field effect transistors, and special applications.

**Credits:** 5

**Prerequisites:**

ELCR 1010  
ELCR 1020

**ELCR 1040: Digital & Microprocessor Fundamentals**

This course is designed to provide sufficient coverage of digital electronics and microprocessor fundamentals. Digital fundamentals will introduce basic topics such as binary arithmetic, logic gates and truth tables, Boolean algebra and minimization techniques, logic families, and digital test equipment. Upon completion of the foundational digital requirements, a more advanced study of digital devices and circuits will include such topics as flip-flops, counters, multiplexers and de-multiplexers, encoding and decoding, displays, and analog to digital and digital to analog conversions. Students will also explore the basic architecture and hardware concepts of the microprocessor.

**Credits:** 5

**Prerequisites:**

ELCR 1020  
ELCR 1020

**ELCR 1060: Linear Integrated Circuits**

Provides in-depth instruction on the characteristics and applications of linear integrated circuits. Topics include: operational amplifiers, timers, and three-terminal voltage regulators.

**Credits:** 3

**Prerequisites:**

ELCR 1020

ELCR 1020

**ELCR 1230: Communications Electronics Survey**

Introduces the fundamental concepts and devices used in electronics communications.

Topics include: transmission, modulation and detection, receivers, transmitters, propagation, antennas, and deterioration.

**Credits:** 3

**ELCR 1240: Industrial Electronics Survey**

Introduces the fundamental concepts and technologies utilized in industrial electronics applications. Topics include: process controls, sensors, motor controls, programmed controls, mechanical devices, fluid power, and robotics.

**Credits:** 3

**ELCR 1300: Mobil Audio & Video Systems**

Provides the fundamental concepts for the installation of automotive audio and video systems. Topics include: charging and electrical systems, automotive wiring harnesses, basic audio systems, advanced audio systems, and mobile video systems.

**Credits:** 3

**ELCR 1800: Electrical Lineworker Organization Principles**

This course provides a comprehensive summary of lineworker requirements. Topics include physical and mechanical abilities, electrical and workplace safety practices, communications skills, and positive work ethic responsibilities.

**Credits:** 3

**ELCR 1820: Electrical Lineworker Workplace Skills**

This course will familiarize the student with the importance of working together and team building. Topics include basic tools in the problem solving process, change in the workplace, developing and maintaining a positive image, resume writing, and developing job interview skills.

**Credits:** 2

**ELCR 1840: Electrical Lineworker Automation Skills**

This course familiarizes the student with the identification, proper use, basic electrical fundamentals, and safety and maintenance of lineworker hand and power tools. Students will be prepared to operate hydraulic and pneumatic systems.

**Credits:** 2

**ELCR 1860: Electrical Lineworker Occupational Skills**

This course provides an introduction to the basic skills necessary for an electrical lineworker. Topics include an understanding of ratios and proportions, blueprint reading, CSL training and testing, lineman simulations, and observation based instruction.

**Credits:** 5

**ELCR 2110: Process Control**

Introduces industrial process control applications with an emphasis on sensors and signal conditioning. Topics include: symbology and drawing standards, control techniques, sensors and signal conditioning, and ISA and other relevant standards.

**Credits:** 3

**Prerequisites:**

ELCR 1020

ELCR 1020

**ELCR 2120: Motor Controls**

Introduces the application of motor controls in the industrial environment. Topics include: AC/DC motors, AC/DC drives, MCC and contractors, NEC and NEMA standards, ladder diagrams, and power sources.

**Credits:** 3

**Prerequisites:**

ELCR 1030

ELCR 1020

**ELCR 2130: Programmable Controllers**

Provides the basic skills and techniques used in industrial application of programmable controls. Topics include: controller hardware, programming, PC applications, and troubleshooting.

**Credits:** 3

**Prerequisites:**

ELCR 1020

ELCR 1020

**ELCR 2140: Mechanical Devices**

Develops knowledge and skills necessary to transmit mechanical power using common industrial linkage types. Emphasis is placed on use of mechanical devices in combination with electronic controls. Topics include: linkages, motion analysis, gear drives, and preventative maintenance.

**Credits:** 2

**ELCR 2150: Fluid Power**

Provides an overview of fluid power operation as applied to industrial electronics. Emphasis is placed on the interfacing of electronic and fluidic systems. Topics include: safety, fluid dynamics, hydraulics, pneumatics, air logic, and electrical interfacing.

**Credits:** 2

**ELCR 2160: Advanced Microprocessors & Robotics**

This course continues an earlier study of microprocessor fundamentals and introduces robotic theory and application. Topics include the microprocessor instruction set, programming and debugging applications and troubleshooting, microprocessor applications for embedded systems, basic DSP concepts, robotic terminology and languages, and robotic programming.

**Credits:** 3

**Prerequisites:**

ELCR 1040  
ELCR 1020

**ELCR 2170: Computer Hardware**

Provides an introduction to the fundamentals of installing, configuring, upgrading, troubleshooting, and repairing microcomputer systems. Topics include installation, configuration, upgrading, diagnosing, troubleshooting, preventive maintenance, basic hardware, printers, and basic networking.

**Credits:** 5

**ELCR 2190: Networking I**

Provides an introduction to networking technologies. Cover a wide range of material about networking, from careers in networking to local area networks, wide area networks, protocols, topologies, transmission media, and security. Focuses on operating network management systems and implementing the installation of networks. The course reviews cabling, connection schemes, the fundamentals of LAN and Wan technologies, TCP/IP configuration and troubleshooting, remote connectivity, and network maintenance and troubleshooting. Topics include: media and topologies, protocols and standards, network implementation, and network support.

**Credits:** 3

**ELCR 2210: Analog Communications**

This course provides an in depth study of communication system concepts and emphasis an analysis of amplitude and frequency modulation and detection methods. Topics include AM, FM, and SSB modulation and detection, transmitters and receivers, multiplexing and de-multiplexing, basic telemetry concepts, and noise bandwidth considerations.

**Credits:** 5

**Prerequisites:**

ELCR 1020  
ELCR 1020

**ELCR 2220: Digital Communications**

This course continues the study of modulation and detection techniques. Topics include: digital modulation techniques, pulse modification techniques, and sampling techniques.

**Credits:** 3

**Co-Requisites:**

ELCR 1020  
MATH 1111

**ELCR 2230: Antenna and Transmission Lines**

Provides an understanding of antennas and transmission lines used in communications. Topics include: transmission lines, wave guides, antenna types, antenna applications, and telephone transmission lines.

**Credits:** 3

**Co-Requisites:**

ELCR 1020  
MATH 1111

**ELCR 2240: Microwave Communications and Radar**

Provides a basic understanding of microwave communications and radar. Topics include: microwave and radar fundamentals, microwave devices, wave guides, specialized antennas, radar systems, and communications systems.

**Credits:** 3

**Prerequisites:**

ELCR 1020  
ELCR 1020

**ELCR 2250: Optical Communication Techniques**

Surveys the major optical devices used for communications. Topics include: light sources, fiber optic cable, coupling and fusing, light modulation and detection techniques, and system application of light devices.

**Credits:** 3

**Co-Requisites:**

ELCR 1020  
MATH 1111

**ELCR 2560: Cet License Preparation**

Prepares the student for taking a certifying examination developed by Iowa State University and administered by the Electronic Technician's Association. Topics include: mathematics; electrical properties; series and parallel circuits; oscillators, detectors, comparators, and demodulators; test equipment and measurement; electronic components and nomenclature; semiconductors; digital concepts; computer basics; communications electronics; safety precautions and checks; television and video; antennas and signal distribution; consumer electronics; and block diagrams and troubleshooting.

**Credits:** 3

**ELCR 2590: Fiber Optic Systems**

Introduces the fundamentals of fiber optics and explores the applications of fiber optic transmission systems. Laboratory exercises give students hands-on experience with fiber optic devices and test equipment. Topics includes: fundamentals of fiber optics, types of optical fibers, fiber materials and manufacture, cabling, light sources/transmitters/receivers, connectors, splicing, test measurement, and fiber optic system design.

**Credits:** 3

**ELCR 2600: Telecommunication & Data Cabling**

Introduces the basic of cable installation from the initial site survey to splicing cable and making connections. Through laboratory activities, students perform the basic tasks of a cable installer. Topics include: basic standards and practices, cable rating and performance, cable installation and management, testing and troubleshooting, industry standards, pulling cable, and understanding blueprints.

**Credits:** 3

**Prerequisites:**

ELCR 1010

ELCR 1020

**ELCR 2620: Telecommunications Systems Installation, Programming & Data Transmission**

This course provides instruction in the installation, programming, testing, and repair of simple and complex telephone systems. An introduction is also given to basic concepts on telecommunication and data transmission.

**Credits:** 4

**Co-Requisites:**

ELCR 1020

ELCR 2600

## Employability Skills Courses

**EMPL 1000: Interpersonal Relations & Professional Development**

Emphasizes human relations and professional development in today's rapidly changing world that prepares students for living and working in a complex society. Topics include human relations skills, job acquisition skills and communication, job retention skills, job advancement skills, and professional image skills.

**Credits:** 2

## Engineering Courses

**ENGT 1000: Introduction to Engineering Technology**

Provides a study of engineering technology as a career field and describes the knowledge and skills required for academic and occupational success. Topics include: engineering technology career, measurement and standards, mathematical operators, engineering tools, and engineering concepts. Labs reinforce mathematical, mechanical and electrical concepts through practical exercises, such as measurement and calculation of density of objects, relative humidity, use of digital multi-meter, building circuits, use of precision instruments, and team exercises.

**Credits:** 3

## English Courses

**ENGL 0090: Learning Support English I**

This course uses a modular approach to emphasize the rules of grammar, punctuation, capitalization, subject/verb agreement, correct verb forms, spelling, writing, and revising skills for basic paragraph development. Students progress at their own pace to master each module.

**Credits:** 3

**ENGL 1010: Fundamentals of English I**

Emphasizes the development and improvement of written and oral communication abilities. Topics include analysis of writing, applied grammar and writing skills, editing and proofreading skills, research skills, and oral communication skills.

**Credits:** 3

**Prerequisites:**

minimum ACCUPLACER Reading score of 55 and minimum ACCUPLACER Sentence Skills (Writing) of 60.

**ENGL 1012: Fundamentals of English II**

Provides knowledge and application of written and oral communications found in the workplace. Topics include writing fundamentals and speaking fundamentals.

**Credits:** 3

**Prerequisites:**

ENGL 1010: Fundamentals of English.

**ENGL 1101: Composition and Rhetoric**

Explores the analysis of literature and articles about issues in the humanities and in society. Students practice various modes of writing, ranging from exposition to argumentation and persuasion. The course includes a review of standard grammatical and stylistic usage in proofreading and editing. An introduction to library resources lays the foundation for research. Topics include writing analysis and practice, revision, and research. Students write a research paper using library resources and using a formatting and documentation style appropriate to the purpose and audience.

**Credits:** 3

**Prerequisites:**

minimum NextGen ACCUPLACER Reading score of 236 and minimum ACCUPLACER Sentence Skills (Writing) of 249.

**ENGL 1102: Literature and Composition**

Emphasizes the students ability to read literature analytically and meaningfully and to communicate clearly. Students analyze the form and content of literature in historical and philosophical contexts. Topics include reading and analysis of fiction, poetry, and drama; research; and writing about literature.

**Credits:** 3

**Prerequisites:**

ENGL 1101  
ELTR 1180

**ENGL 1105: Workplace and Technical Communications**

Emphasizes practical knowledge of technical communications techniques, procedures, and reporting formats used in industry and business. Topics include reference use and research, device and process description, formal technical report writing, business correspondence, and technical report presentation.

**Credits:** 3

**Prerequisites:**

ENGL 1101  
ELTR 1180

**ENGL 2110: World Literature**

This course explores the history of the human experience through literature and writing across the cultures of the world. Surveys of important works across multiple genres of fiction and non-fiction as a reflection of cultural values. Explores themes from the ancient through modern era.

**Credits:** 3

**ENGL 2130: American Literature**

Emphasizes American literature as a reflection of culture and ideas. A survey of important works in American literature. Includes a variety of literary genres: short stories, poetry, drama, nonfiction, and novels. Topics include literature and culture, essential themes and ideas, literature and history, and research skills.

**Credits:** 3

**Prerequisites:**

ENGL 1101  
ELTR 1180

## Fine Arts Courses

**ARTS 1101: Art Appreciation**

Explores the visual arts and the relationship to human needs and aspirations. Students investigate the value of art, themes in art, the elements and principles of composition, and the materials and processes used for artistic expression. Well-known works of visual art are explored. The course encourages student interest in the visual arts beyond the classroom.

**Credits:** 3

**Prerequisites:**

minimum ACCUPLACER Reading score of 64 and minimum ACCUPLACER Sentence Skills (Writing) of 70

**MUSC 1101: Music Appreciation**

Explores the formal elements of musical composition, musical form and style, and the relationship of music to historical periods. The course includes listening and analysis of well known works of music. This course encourages student interest in musical arts beyond the classroom.

**Credits:** 3

# Forestry Courses

## **FORS 1010: Introduction to Forestry & Natural Resources**

Introduces the fundamentals of forestry and natural resources. Topics include: history of forestry, importance of forestry, forest safety, harvesting equipment, and natural resource careers.

**Credits:** 3

## **FORS 1020: Soils and Hydrology**

Introduces the role of forest soils and hydrology in the forest ecosystem and the importance of forest soil properties as they relate to modern forestry practices. Topics include: forest soil formation, forest soil properties and site productivity, soils and silvicultural recommendations, fertilization, soil hydrology and erosion sedimentation.

**Credits:** 3

## **FORS 1030: Dendrology**

Provides the basis for a fundamental understanding of the taxonomy and identification of trees and shrubs. Topics include: tree and shrub classification, tree and shrub identification, tree and shrub structure identification, and leaf structure identification.

**Credits:** 3

## **FORS 1040: Forest Protection**

Provides experience in identification and control of destructive and harmful agents in the forest environment. Topics include: detrimental growth factors; biological and economic factors of forest pests, chemical pest control; classification and description of wildfires; and firefighting methods, tools and equipment.

**Credits:** 3

## **FORS 1100: Forest Technology**

This course introduces basic forest management concepts and techniques. Topics include forest protection, products, harvesting, silviculture, and measurements. Upon completion students should have a fundamental understanding of the different aspects of forest management in the southeastern United States.

**Credits:** 3

## **FORS 1160: Forest Surveying and Mapping**

Introduces the fundamental principles and practices of land surveying and mapping and the use of surveying and mapping instruments. Topics include: surveying and mapping equipment, surveying, surveying and mapping methods, deed search and tract location.

**Credits:** 4

**Co-Requisites:**

MATH 1012

ELCR 2600

## **FORS 1210: GPS/GIS Aerial Photography**

Focuses on application of the fundamental principles and practices of land surveying and mapping and the use of surveying and mapping instruments. Emphasizes areas of plane and boundary surveying and area determination. Topics include: Global positioning systems (GPS), geographical information systems (GIS), area determination, developing maps, and aerial photography.

**Credits:** 4

**Prerequisites:**

MATH 1012

ELTR 1180

## **FORS 1260: Forest Measurements**

Emphasizes identification of primary and secondary forest products and their manufacturing processes and uses and fixed plot method of statistical sampling. Introduces the fundamental principles and practices of timber cruising. Topics include: history of forest products manufacturing, raw forest resource identification, importance of forest measurements, forest measurement tools and equipment, forest measurement methods, and cruising and scaling methods.

**Credits:** 4

**Co-Requisites:**

MATH 1012

ELCR 2600

## **FORS 1310: Silvics and Silviculture**

Provides an overview of the activities that are involved in regeneration and maintenance of forest stands. Topics include: timber stand improvement methods, regeneration methods and environmental impact of silvicultural practices.

**Credits:** 4

## **FORS 1410: Forest Mensuration**

Focuses on the application of the fundamental principles and practices of timber cruising. Emphasizes fixed plot and prism method of statistical sampling. Topics include: map construction, cruising methods and volume determination.

**Credits:** 4

**Prerequisites:**

MATH 1012

ELTR 1180



**FORS 1580: Wildlife Management**

Develops a basic understanding of the classification of animals and habitat. Emphasizes effects of forest management on wildlife. Topics include: animal classification, adaptation, and evolution; population parameters; basic principles of game management; and managing the forest for wildlife.

**Credits:** 3

**FORS 1600: Forest Technology Internship**

Focuses on the application and reinforcement of forest technology skills in an actual workplace environment. Students are acquainted with occupational responsibilities through realistic work situations and are provided with insights into forestry applications on the job. Topics include: problem solving, adaptability to the job setting, use of proper interpersonal skills, application of forest technology skills in a workplace setting, and professional development.

**Credits:** 3

**FORS 2460: Forest Management**

Introduces the techniques of multiple-use forest resource management. Topics include: multiple-use management, prescribed burning, site preparation methods, logging, forest management plan, land ownership, and timber marking.

**Credits:** 6

**THOP 1101: Introduction to Timber Harvest Safety**

Introduces the fundamentals of timber harvesting safety. Topics include: first aid, CPR, personal protective equipment, OSHA, and other related timber industry safety practices.

**Credits:** 3

**THOP 1102: Forest Products Marketing**

This course introduces the principles of marketing forest products. Emphasis is placed on marketing timber, identifying applicable markets and developing basic marketing strategies for forest products.

**Credits:** 3

**THOP 1103: Woodland Skills**

Introduces the fundamentals of tree identification, land surveying, and timber cruising.

**Credits:** 3

**THOP 1104: Timber Industry Standards**

Introduces the fundamentals of timber industry standards and ethics. Students will learn and apply: timber harvesting laws and regulations, OSHA requirements and laws pertaining to trucking requirements for state and federal highways.

**Credits:** 3

**THOP 1105: Timber Harvest Equip Oper I**

This course covers preventive maintenance techniques on equipment used in association with timber harvesting operations. This course also introduces students to the concepts of felling, skidding, delimiting and loading of timber products.

**Credits:** 3

**Prerequisites:**

THOP 1101  
RESP 2120  
RESP 2130  
RESP 2190

**THOP 1106: Timber Harvest Equip Oper II**

Students will learn to operate basic timber harvesting equipment and become familiar with the daily operations of each piece of equipment.

**Credits:** 3

**Prerequisites:**

THOP 1105  
RESP 2120  
RESP 2130  
RESP 2190

## History Courses

**HIST 1111: World History I**

Emphasizes the study of intellectual, cultural, scientific, political, and social contributions of the civilizations of the world and the evolution of these civilizations during the period from the prehistoric era to early modern times. Topics include the Prehistoric Era the Ancient Near East, Ancient India, Ancient China, Ancient Rome, Ancient Africa, Islam, the Americas, Japan, Ancient Greece, the Middle Ages, and the Renaissance.

**Credits:** 3

**HIST 1112: World History II**

Emphasizes the study of the intellectual, cultural, scientific, political, and social contributions of the civilizations of the world and the evolution of these civilizations during the period from early modern times to the present. Topics include transitions to the Modern World, scientific revolution and the Enlightenment, political modernization, economic modernization, imperialism, and the Twentieth Century.

**Credits:** 3

**HIST 2111: U.S. History I**

Emphasizes the study of U. S. History to 1877 to include the post-Civil War period. The course focuses on the period from the Age of Discovery through the Civil War to include geographical, intellectual, political, economic and cultural development of the American people. It includes the history of Georgia and its constitutional development. Topics include colonization and expansion; the Revolutionary Era; the New Nation; nationalism, sectionalism, and reform; the Era of Expansion; and crisis, Civil War, and reconstruction.

**Credits:** 3

**HIST 2112: U.S. History II**

Emphasizes the study of the social, cultural, and political history of the United States from 1865 to the beginning of the twenty-first century and will equip the student to better understand the problems and challenges of the contemporary world in relation to events and trends in modern American history. The course also provides an overview of the history of Georgia and the development of its constitution. Topics include the Reconstruction Period; the great West, the new South, and the rise of the debtor; the Gilded Age; the progressive movement; the emergence of the U. S. in world affairs; the Roaring Twenties; the Great Depression; World War I; World War II; the Cold War and the 1950's; the Civil Rights Movement; the 1960's and 1970's; and America since 1980.

**Credits:** 3

## Horticulture Courses

**HORT 1000: Horticulture Science**

Introduces the fundamentals of plant science and horticulture as a career field. Emphasis will be placed on an industry overview; plant morphology; plant physiology; environmental factors affecting horticulture practices; soil physical and chemical properties; fertilizer elements and analysis; and basic propagation techniques.

**Credits:** 3

**HORT 1010: Woody Plant Identification**

Provides the basis for a fundamental understanding of the taxonomy, identification, and culture requirements of woody plants. Topics include: introduction to woody plants, classification of woody plants, and woody plant identification and culture requirements.

**Credits:** 3

**HORT 1020: Herbaceous Plant Identification**

Emphasizes the identification, selection, and cultural requirements of herbaceous plants. Topics include: introduction to herbaceous plants, plant classification and nomenclature of herbaceous plants, herbaceous plant identification and culture requirements and seasonal color management.

**Credits:** 3

**HORT 1030: Greenhouse Management**

This course helps to prepare students for a career in the management of commercial greenhouses, conservatories and institutional greenhouses. Emphasis is placed on greenhouse construction; operation and management; regulating and controlling the environment; applying cultural practices as they affect plant physiological processes and influence plant growth and development; and management of a greenhouse business.

**Credits:** 4

**HORT 1050: Nursery Production & Management**

Develops skills necessary to propagate and produce both container and field grown nursery stock. Topics include: industry overview, facility design, propagation techniques and environment, field grown and container production, and managerial functions for nursery production.

**Credits:** 4

**HORT 1060: Landscape Design**

Introduces design principles, drawing skills, and plant selection techniques required to produce landscape plans for residential/commercial clients. Topics include: landscape design principles, sketching and drawing skills, site analysis, plant and material selection, and landscape design process.

**Credits:** 4

**HORT 1070: Landscape Installation**

This course develops skills needed for the proper selection, installation, and establishment of landscape trees, shrubs, groundcovers, turf, and flowers. Topics include workplace safety, interpreting a landscape plan, soil preparation, planting methods, post care and establishment, and managerial functions for landscape installers.

**Credits:** 4

**HORT 1080: Pest Management**

This course provides an introduction to the principles and mechanisms of integrated pest management across a diverse array of pests including insects, weeds, plant pathogens, nematodes and vertebrates. Specifically, the course will provide students with a fundamental and practical understanding of integrated pest management in a landscape setting with emphasis on pest identification and control; pesticide application safety; and legal requirements for state licensure.

**Credits:** 3

**HORT 1120: Landscape Management**

This course introduces cultural techniques required for proper landscape management with emphasis on practical application and managerial techniques. Topics include: landscape management, safe operation and maintenance of landscape equipment, and administrative functions for landscape managers.

**Credits:** 4

**HORT 1140: Horticulture Business Management**

This course presents managerial techniques required for business success in a chosen horticultural field. All aspects of establishing and managing a small business will be addressed. Emphasis will be placed on strategic planning; financial management; marketing strategies; human resource management; and operations and administration.

**Credits:** 3

**HORT 1150: Horticulture Internship**

Provides the student with practical experience in an actual job setting. This internship allows the student to become involved in on-the-job environmental horticulture applications that require practice and follow through. Topics include: work ethics, skills, and attitudes; demands of the horticulture industry; horticultural business management; and labor supervision.

**Credits:** 3

**HORT 1310: Irrigation & Water Management**

Provides students with exposure to the basic principles of hydraulics and fluidics. Special attention is given to watering plant materials in various soil and climatic conditions through the use of irrigation. Topics include: industry overview; fluidics and hydraulics; system design and installation.

**Credits:** 4

**HORT 1330: Turfgrass Management**

A study of turfgrass used in the southern United States. Topics include: industry overview, soil and soil modification; soil fertility; turf installation; turf maintenance, turf diseases, insects and weeds; and estimating costs on management practices.

**Credits:** 4

**HORT 1430: Advanced Landscape Design**

This course familiarizes students with approaches to garden and small outdoor space design. Students will examine various approaches to color and design theory relevant to designing gardens and outdoor spaces. Topics include history of design, landscape design principles and elements, sketching and drawing skills, design analysis, garden design styles, plant material selection and the development of a garden planting plan.

**Credits:** 3

**HORT 1560: Computer Aided Landscape Design**

Introduces computer aided landscape design techniques and used in landscape design projects. Emphasis is placed on practical application of landscape design processes through use of computer applications. Topics include: software commands; scale and layers operations; and drawing and design.

**Credits:** 3

**HORT 1720: Introductory Floral Design**

This course introduces the basic concepts and practices of floral design. Topics include: introduction to floral design; principles and elements of design used in floral compositions; identification of commonly used floral materials; conditioning and storing cut flowers; mechanics and supplies of flower arranging; construction of basic geometric designs; and corsage construction.

**Credits:** 4

**HORT 1730: Advanced Floral Design**

Advanced floral design theory; techniques and skills which enhances students' ability to design with cut and dried floral materials with emphasis on party, wedding, sympathy and high-style floral designs.

**Credits:** 4

**HORT 2249: Flower Shop Management**

Introduces the student to the development and operational procedures of a floral business. Emphasis will be on both traditional and high style design as a business. Topics include: overview of the floral industry and starting a floral business.

**Credits:** 3

## Humanities Courses

**HUMN 1101: Introduction to Humanities**

Explores the philosophic and artistic heritage of humanity expressed through a historical perspective on visual arts, music, and literature. The humanities provide insight into people and society. Topics include historical and cultural developments, contributions of the humanities, and research.

**Credits:** 3

**Prerequisites:**

ENGL 1101

ELTR 1180

## Industrial Systems Technology Courses

**IDFC 1000: Principles of Electricity I**

Provides an in-depth study of the health and safety practices required for maintenance of industrial, commercial, and home electrically operated equipment. Topics include: introduction to OSHA regulations; safety tools, equipment, and procedures; and first aid and cardiopulmonary resuscitation.

**Credits:** 4

**IDFC 1005: Principles of Electricity II**

This course introduces the theory and application of varying sine wave voltages and current and solid state devices. Topics include magnetism, AC wave generation, AC test equipment, inductance, capacitance, basic transformers, and introduction to semiconductor fundamentals, diode applications, basic transistor fundamentals, basic amplifiers, and semiconductor switching devices.

**Credits:** 5

**IDFC 1007: Industrial Safety Procedures**

Provides an in-depth study of the health and safety practices required for maintenance of industrial, commercial, and home electrically operated equipment. Topics include: introduction to OSHA regulations; safety tools, equipment, and procedures; and first aid and cardiopulmonary resuscitation.

**Credits:** 2

**IDFC 1011: Direct Current I**

Introduces direct current (DC) concepts and applications. Topics include: electrical principles and laws; batteries; DC test equipment; series, parallel, and simple combination circuits; and laboratory procedures and safety practices.

**Credits:** 3

**Prerequisites:**

MATH 1012/MATH 1012/MAT 102 or MATH 1013/MAT 1013/MAT 103.

**IDFC 1012: Alternating Current I**

Introduces the theory and application of varying sine wave voltages and current. Topics include: magnetism, AC wave generation, AC test equipment, inductance, capacitance, and basic transformers.

**Credits:** 3

**Prerequisites:**

IDFC 1011 or IFC 101.

**IDSY 1020: Print Reading and Problem Solving**

This course introduces practical problem solving techniques as practiced in an industrial setting. Topics include: analytical problem solving, troubleshooting techniques, reading blueprints and technical diagrams, schematics and symbols, specifications and tolerances. The course emphasizes how the machine or mechanical system works, reading and engineering specifications and applying a systematic approach to solving the problem.

**Credits:** 3

**IDSY 1100: Basic Circuit Analysis**

This course introduces direct current concepts and applications, alternating current theory and application of varying sine wave voltages and current, and the physical characteristics and applications of solid state devices. Topics include, but are not limited to, electrical laws and principles, magnetism, series, parallel, and simple combination circuits, inductance and capacitance, diodes and amplifiers, and semiconductor fundamentals.

**Credits:** 5

**IDSY 1101: DC Circuit Analysis**

This course introduces direct current (DC) concepts and applications. Topics include: electrical principles and laws; batteries; DC test equipment; Series, parallel, and simple combination circuits; and laboratory procedures and safety practices.

**Credits:** 3

**IDSY 1105: AC Circuit Analysis**

This course introduces alternating current concepts, theory, and application of varying sine wave voltages and current, and the physical characteristics and applications of solid state devices. Topics include, but are not limited to, electrical laws and principles, magnetism, inductance and capacitance.

**Credits:** 3

**IDSY 1110: Industrial Motor Controls I**

This course introduces the fundamental concepts, principles, and devices involved in industrial motor controls, theories and applications of single and three-phase motors, wiring motor control circuits, and magnetic starters and braking. Topics include, but are not limited to, motor theory and operating principles, control devices, symbols and schematic diagrams, NEMA standards, Article 430 NEC and preventative maintenance and troubleshooting.

**Credits:** 4

**IDSY 1120: Basic Industrial PLC's**

This course introduces the operational theory, systems terminology, PLC installation, and programming procedures for Programmable Logic Controllers. Emphasis is placed on PLC programming, connections, installation, and start-up procedures. Other topics include timers and counters, relay logic instructions, and hardware and software applications.

**Credits:** 4

**IDSY 1130: Industrial Wiring**

Teaches the fundamental concepts of industrial wiring with an emphasis on installation procedures. Topics include: grounding, raceways, three-phase systems, transformers (three-phase and single-phase), wire sizing, overcurrent protection, NEC requirements, industrial lighting systems, and switches, receptacles, and cord connectors.

**Credits:** 4

**IDSY 1150: DC & AC Motors**

Introduces the fundamental theories and applications of single-phase and three-phase motors. Topics include: motor theory and operating principles, motor terminology, motor identification, NEMA standards, AC motors, DC motors, scheduled preventive maintenance, and troubleshooting and failure analysis.

**Credits:** 3

**Prerequisites:**

IDFC 1011

IDFC 1012

**IDSY 1160: Mechanical Laws & Principles**

Introduces the student to fundamental laws and principles of mechanics. Topics include: Mechanical Principles of Simple Machines; Force, Torque, Velocity, Acceleration, and Inertia; Rotational Motion; Work, Power, and Energy; Matter; Gases; Fluid Power; and Heat. The course emphasizes understanding terminology and using related problem solving skills in everyday physical applications of mechanical technology. Competencies are reinforced with practical hands on lab exercises.

**Credits:** 4

**IDSY 1170: Industrial Mechanics**

This course introduces and emphasizes the basic skill necessary for mechanical maintenance personnel. Instruction is also provided in the basic physics concepts applicable to the mechanics of industrial production equipment, and the application of mechanical principles with additional emphasis on power transmission and specific mechanical components.

**Credits:** 4

**IDSY 1180: Magnetic Starters & Braking**

Provides instruction in wiring motor control circuits. Emphasis is placed on designing and installing magnetic starters in across-the-line, reversing, jogging circuits, and motor braking. Topics include: control transformers, full voltage starters, reversing circuits, jogging circuits, and braking.

**Credits:** 3

**Prerequisites:**

IDSY 1150

IDFC 1012

**IDSY 1190: Fluid Power Systems**

This course provides instruction in the fundamentals of safely operating hydraulics and pneumatics. Theory and practical application concepts are discussed. Topics include hydraulic system principles and components and, pneumatic system principles and components.

**Credits:** 4

**IDSY 1195: Pumps and Piping Systems**

This course provides instruction in the fundamentals of installation, maintenance, and troubleshooting of pump and piping systems. Theory and practical application concepts are discussed.

**Credits:** 3

**IDSY 1210: Industrial Motor Controls II**

This course introduces the theory and practical application for two-wire control circuits, advanced motor controls, and variable speed motor controls. Emphasis is placed on circuit sequencing, switching, and installation, maintenance, and troubleshooting techniques.

**Credits:** 4

**IDSY 1220: Intermediate Industrial PLC's**

This course provides for hands on development of operational skills in the maintenance and troubleshooting of industrial control systems and automated equipment. Topics include data manipulation, math instructions, and introduction to HMI, analog control, and troubleshooting discrete IO devices.

**Credits:** 4

**IDSY 1230: Industrial Instrumentation**

Provides instruction in the principles and practices of instrumentation for industrial process control systems with an emphasis on industrial maintenance techniques for production equipment. Topics include: instrument tags; process documentation; basic control theory; sensing pressure, flow, level, and temperature; instrument calibration; and loop tuning.

**Credits:** 4

**IDSY 1240: Maintenance for Reliability**

Applies advanced instrumentation in conjunction with principles of mechanical physics, vibration and particulate analysis, thermography, and advanced reliability concepts relative to precision/predictive maintenance of industrial equipment.

**Credits:** 4

**Prerequisites:**

IDSY 1170

IDFC 1012

**IDSY 2500: Industrial Environmental Internship/ Practicum**

This course allows the student to gain real-world experience by working with a local industry in the appropriate field for a minimum of 135 hours during the term or, alternatively, an equivalent number of hours on real-world projects at the college.

**Prerequisites:**

Instructor Approval.

## Intro to Computers Courses

**COMP 1000: Introduction to Computer Literacy**

This course introduces the fundamental concepts, terminology, and operations necessary to use computers. Emphasis is placed on basic functions and familiarity with computer use. Topics include introductions to computer and digital terminology and usage, operating systems, Internet and digital communication, word processing applications, spreadsheet applications, database applications, and presentation applications.

**Credits:** 3

# Machine Tool Courses

## **MCHT 1011: Introduction to Machine Tool**

Introduces the fundamental concepts and procedures necessary for the safe and efficient use of basic machine tools. Topics include: machine shop safety, terminology, use of hand and bench tools, analysis of measurements, part layout, horizontal and vertical band saw setup and operation, drill press setup and operation, and quality control.

**Credits:** 4

## **MCHT 1012: Blueprint for Machine Tool**

Introduces the fundamental concepts necessary to develop blueprint reading competencies, interpret drawings, and produce sketches for machine tool applications. Topics include interpretation of blueprints, sketching, sectioning, geometric dimensioning and tolerancing, and assembly drawings.

**Credits:** 3

## **MCHT 1013: Machine Tool Math**

This course develops mathematical competencies as applied to machine tool technology. Emphasis is placed on the use of machining formulas by incorporating algebraic, geometric, and trigonometric functions. Topics include machining algebra and geometry, applied geometry, and applied trigonometry.

**Credits:** 3

### **Prerequisites:**

MATH 1012

ALHS 1011

ALHS 1090

## **MCHT 1020: Heat Treatment & Surface Grinding**

Provides instruction in the setup, operations, maintenance, and assembly operations of surface grinders. Introduces the properties of various metals, production methods, and identification of ferrous and non-ferrous metals. Topics include: heat treatment safety, metallurgy principles, heat treatment of metals, surface grinders, surface grinder maintenance, surface grinder setup, surface grinder operations, and safety.

**Credits:** 4

## **MCHT 1030: Applied Measurement**

This course is designed to develop skills necessary for the use and analysis of measurement for Machine Tool Technology and other industrial purposes. Topics include the use of non-precision measuring instruments, use of precision measuring instruments, use of comparison gauges, and analysis of measurements.

**Credits:** 3

### **Prerequisites:**

MCHT 1011

MCHT 1013

## **MCHT 1119: Lathe Operations I**

Provides opportunities for students to develop skill in the setup and operation of metal cutting lathes. Topics include: safety, lathes parts and controls, lathe tooling and tool bit grinding, lathe calculations, lathe setup and operations.

**Credits:** 4

## **MCHT 1120: Mill Operations I**

Provides instruction in the setup and use of the milling machine. Topics include: safety, milling machines, milling machine setup, and milling machine operations.

**Credits:** 4

## **MCHT 1219: Lathe Operations II**

Provides further instruction for students to develop skill in the use of lathes. Topics include: lathes, lathe setup, lathe operations, and safety.

**Credits:** 4

## **MCHT 1220: Mill Operations II**

Provides further instruction for students to develop skills in the use of milling machines. Topics include: safety, advanced milling calculation, advanced milling machine setup and operations.

**Credits:** 4

# Management Courses

## **MGMT 1100: Principles of Management**

Develops skills and behaviors necessary for successful supervision of people and their job responsibilities. Emphasis will be placed on real life concepts, personal skill development, applied knowledge and managing human resources. Course content is intended to help managers and supervisors deal with a dramatically changing workplace being affected by technology changes, a more competitive and global market place, corporate restructuring and the changing nature of work and the workforce. Topics include: Understanding the Managers Job and Work Environment; Building an Effective Organizational Culture; Leading, Directing, and the Application of Authority; Planning, Decision-Making, and Problem-Solving; Human Resource Management, Administrative Management, Organizing, and Controlling.

**Credits:** 3

**MGMT 1105: Organizational Behavior**

Provides a general knowledge of the human relations aspects of the senior-subordinate workplace environment. Topics include: employee relations principles, problem solving and decision making, leadership techniques to develop employee morale, human values and attitudes, organizational communications, interpersonal communications, and employee conflict.

**Credits:** 3

**MGMT 1110: Employment Rules & Regulations**

Develops a working knowledge of the laws of employment necessary for managers. Topics include: Employment Law, the Courts, Alternative Dispute Resolution (ADR), Discrimination Law, Selecting Applicants Under the Law, OSHA and Safety, Affirmative Action, At-Will Doctrine, Right to Privacy, Fair Labor Standards Act (FLSA), Family Medical Leave Act (FMLA), Workers Compensation, Unemployment Compensation, and National Labor Relations Act.

**Credits:** 3

**MGMT 1115: Leadership**

This course familiarizes the student with the principles and techniques of sound leadership practices. Topics include: Characteristics of Effective Leadership Styles, History of Leadership, Leadership Models, The Relationship of Power and Leadership, Team Leadership, The Role of Leadership in Effecting Change.

**Credits:** 3

**MGMT 1120: Introduction to Business**

This course is designed to provide the student with an overview of the functions of business in the market system. The student will gain an understanding of the numerous decisions that must be made by managers and owners of businesses. Topics include: the market system, the role of supply and demand, financial management, legal issues in business, employee relations, ethics, and marketing.

**Credits:** 3

**MGMT 2115: Human Resource Management**

This course is designed as an overview of the Human Resource Management (HRM) function and of the manager and supervisors role in managing the career cycle from organizational entry to exit. It acquaints the student with the authority, responsibility, functions, and problems of the human resource manager, with an emphasis on developing familiarity with the real world applications required of employers and managers who increasingly are in partnership with HRM generalists and specialists in their organizations. Topics include: strategic human resource management, contemporary issues in HRM: ethics, diversity and globalization; the human resource/supervisor partnership; human resource planning and productivity; job description analysis, development, and design: recruiting, interviewing, and selecting employees; performance management and appraisal systems; employee training and development: disciplinary action and employee rights; employee compensation and benefits; labor relations and employment law; and technology applications in HRM.

**Credits:** 3

**MGMT 2120: Labor Management Skills**

Provides a student with an overview of the relationship of rank and file employees to management in business organizations. The nature of the workplace, the economic foundations of work organizations, and the history of the relationship between management and labor is examined. The course acquaints the student with the principles of developing positive relationships between management and labor within the context of the legal environment governing labor relations. Topics include: the nature of the American workplace; the economic history of business organizations, the historical roots of labor-management relations; adversarial and cooperative approaches to labor relations; the legal framework of labor relations; employee-employer rights; collective bargaining and union organizing processes; union and non-union grievance procedures; international labor relations; and the future of labor-management relations in a changing economy. Case studies, readings, and role-plays are used to simulate workplace applications in labor relations.

**Credits:** 3



**MGMT 2125: Performance Management**

Develops an understanding of how fostering employer/employee relationships in the work setting improves work performance. Develops legal counseling and disciplinary techniques to use in various workplace situations. Topics include: the definitions of coaching, counseling, and discipline; importance of the coaching relationship; implementation of an effective counseling strategy; techniques of effective discipline; and performance evaluation techniques.

**Credits:** 3

**MGMT 2130: Employee Training & Development**

Addresses the challenges of improving the performance and career potential of employees, while benefiting the student in their own preparation for success in the workplace. The focus is on both training and career and personal development. Shows the student how to recognize when training and development is needed and how to plan, design, and deliver an effective program of training for employees. Opportunities are provided for the student to develop their own career plans, assess their work-related skills, and practice a variety of skills desired by employers. Topics include: developing a philosophy of training; having systems approach to training and development; the context of training; conducting a needs analysis; critical success factors for employees; learning principles; designing and implementing training plans; conducting and evaluating training; human resource development and careers; personal career development planning; and applications in interpersonal relationships and communication.

**Credits:** 3

**MGMT 2135: Management Communication Techniques**

Emphasizes developing the full range of communication strategies required to become a successful manager and prepares managers for the skills required to communicate effectively in business today. Topics include: Organizational/Strategic Communication, Interpersonal Communication, Presentation Techniques, Presentation Technology & Applications, Team/Group Communication, Intercultural Communication, External Stakeholder Communication and Using Spreadsheet Applications for Business Problem Solving.

**Credits:** 3

## Marketing Courses

**MKTG 1100: Principles of Marketing**

This course emphasizes the trends and the dynamic forces that affect the marketing process and the coordination of the marketing functions. Topics include effective communication in a marketing environment, role of marketing, and knowledge of marketing principles, marketing strategy, and marketing career paths.

**Credits:** 3

**MKTG 1130: Business Regulations and Compliance**

This course introduces the study of contracts and other legal issues and obligations for businesses. Topics include: creation and evolution of laws, court decision processes, legal business structures, sales contracts, commercial papers, Uniform Commercial Code, and risk-bearing devices.

**Credits:** 3

**MKTG 1160: Professional Selling**

This course introduces professional selling skills and processes. Topics include: professional selling, product/sales knowledge, customer analysis/relations, selling process, sales presentations, and ethics of selling.

**Credits:** 3

**MKTG 1161: Service Industry Business Environment**

This course introduces the learner to the service industry. Topics include: an introduction to the service industry business environment, an introduction to life-long learning, work ethic and positive behavior required for exceptional customer service, an introduction to customer relations, working together successfully on teams, and basic business principles.

**Credits:** 2

**MKTG 1162: Customer Contact Skills**

This course provides students with skills necessary to communicate with customers and successfully manage that relationship in both telephone and face-to-face situations. Topics include: skills to effectively communicate with customers, developing rapport with customers, problem-solving in customer service, telephone skills, sales skills in the service environment, managing the difficult customer, and managing the multicultural customer. Computer-Based Training (CBT) is used to allow students to practice skills using simulated business situations.

**Credits:** 4

**MKTG 1163: Computer Skills & Customer Service**

Provides students with the fundamentals of computer skills used in a customer service environment. Topics include: introduction to computer technology, introduction to the Windows environment, introduction to word processing, introduction to spreadsheets, introduction to databases and introduction to E-mail.

**Credits:** 3

**Prerequisites:**

MKTG 1162

MCHT 1013

**MKTG 1164: Business Skills for the Customer**

Provides students with the fundamentals of basic business skills used in the customer service environment. Topics include: introduction to business correspondence, basic business calculations, change management, managing multiple tasks and priorities, and tolls for team problem-solving and service improvement.

**Credits:** 2

**Prerequisites:**

MKTG 1163

MCHT 1013

**MKTG 1165: Personal Effectiveness in Customer**

Provides students with skills that will allow them to present a positive image to both co-workers and customers. Topics include: personal wellness and stress management, positive image, and job interview skills.

**Credits:** 1

**Prerequisites:**

MKTG 1164

MCHT 1013

**MKTG 1190: Integrated Marketing Communication**

This course introduces the fundamental principles and practices associated with promotion and communication. Topics include: purposes of promotion and IMC, principles of promotion and Integrated Marketing Communication (IMC), budgeting, regulations and controls, media evaluation and target market selection, integrated marketing plans, trends in promotion, and promotion and communication career paths.

**Credits:** 3

**MKTG 1210: Service Marketing**

This course introduces the marketing skills required in a service business. Topics include: foundation of services marketing, managing service delivery/encounters, services marketing strategy, and aligning strategy service design, and standards.

**Credits:** 3

**MKTG 1270: Visual Merchandising**

This course focuses on the components of the visual merchandising of goods and services. Topics include: design and color principles, tools and materials of the trade, lighting and signs, installation of displays, store planning, safety, and related areas of visual merchandising and display.

**Credits:** 3

**MKTG 1370: Consumer Behavior**

This course analyzes consumer behavior and applicable marketing strategies. Topics include: the nature of consumer behavior, influences on consumer behavior, consumer decision-making process, role of research in understanding consumer behavior, and marketing strategies.

**Credits:** 3

**MKTG 2000: Global Marketing**

This course introduces opportunities and international strategies employed in the global marketplace. Topics include: the environment of international marketing, analyze international marketing opportunities, international market entries, design an international marketing strategy, and career paths in international marketing.

**Credits:** 3

**Prerequisites:**

MKTG 1100

MCHT 1013

**MKTG 2010: Small Business Management**

This course introduces competencies required in managing a small business. Topics include: nature of small business management, business management and organizational change, marketing strategies, employee relations, financial planning, and business assessment and growth.

**Credits:** 3

**MKTG 2030: Digital Publishing and Design**

This course covers the knowledge and skills required to use digital publishing software as well as design and create business publications, collaterals, and digital presences. Course work will include course demonstrations, laboratory exercises and projects. Topics include: digital publishing concepts, basic graphic design, publication layout, web page design, and practical digital applications.

**Credits:** 3

**Prerequisites:**

COMP 1000

MCHT 1013

**MKTG 2060: Marketing Channels**

Emphasizes the design and management of marketing channels. Topics include: Role of marketing channels, channel design and planning, supply chain management, logistics, and managing marketing channels.

**Credits:** 3

**MKTG 2070: Buying and Merchandising**

Develops buying and merchandising skills required in retail or e-business. Topics include: principles of merchandising, inventory control, merchandise plan, assortment planning, buying merchandise, and pricing strategies.

**Credits:** 3

**MKTG 2090: Marketing Research**

This course conveys marketing research methodology. Topics include: role of marketing research, marketing research process, ethics in marketing research, research design, collection data analysis, reporting, application of marketing research, and marketing research career paths.

**Credits:** 3

**Prerequisites:**

MKTG 1100  
MCHT 1013

**MKTG 2160: Advanced Selling**

This course emphasizes advanced sales presentation skills needed in professional selling. Topics include: managing effective customer relationships, self-management, sales force training, sales force development, and career paths in professional selling.

**Credits:** 3

**Prerequisites:**

MKTG 1160  
MCHT 1013

**MKTG 2210: Entrepreneurship**

This course provides an overview of the steps in establishing a business. A formal business will be created. Topics include business planning, location analysis, and financing, developing a business plan, and entrepreneurial ethics and social responsibility.

**Credits:** 6

**MKTG 2270: Retail Operations Management**

This course emphasizes the planning, staffing, leading, organizing, and controlling management functions in a retail operation. Topics include: the retailing environment, retailing strategy, supply chain management, financial planning, financial strategies, employee relations, and career paths in retailing.

**Credits:** 3

**MKTG 2290: Marketing Internship/Practicum**

This course applies and reinforces marketing and employability skills in an actual job placement or practicum experience. Topics include: problem solving, adaptability to the job setting, use of proper interpersonal skills, application of marketing skills, and professional development.

**Credits:** 3

**MKTG 2300: Marketing Management**

This course reiterates the program outcomes for marketing management through the development of a marketing plan. Topics include: the marketing framework, the marketing plan, and preparing a marketing plan for a new product.

**Credits:** 3

**Prerequisites:**

MKTG 1100  
MCHT 1013

## Mathematics Courses

**MATH 0090: Learning Support Math I**

This course uses the modular approach to emphasize in-depth arithmetic skills, basic and intermediate algebra skills. Topics include number theory, whole numbers, fractions, decimals, percents, ratio/proportion, measurement, geometry, application problems, introduction to real numbers, algebraic expressions, solving linear equations, graphs of linear equations, polynomial operations, polynomial factoring, inequalities, rational expressions and equations, linear graphs, slope, systems of equations, radical expressions and equations, and quadratic equations, and applications involving previously listed topics. Students progress at their own pace to master each module.

**Credits:** 3

**Prerequisites:**

NextGen ACCUPLACER  
arithmetic score of less than 229

**Co-Requisites:**

MATH 1012  
ELCR 2600

**MATH 1011: Business Math**

Emphasizes mathematical concepts found in business situations. Topics include basic mathematical skills, mathematical skills in business-related problem solving, and mathematical information for documents, graphs, and mathematical problems.

**Credits:** 3

**Prerequisites:**

minimum NextGen ACCUPLACER  
Arithmetic score of 229.

**MATH 1012: Foundations of Mathematics**

Emphasizes the application of basic mathematical skills used in the solution of occupational and technical problems. Topics include fractions, decimals, percents, ratios and proportions, measurement and conversion, formula manipulation, technical applications, and basic statistics.

**Credits:** 3

**Prerequisites:**

minimum NextGen ACCUPLACER Arithmetic score of 229.

**MATH 1013: Algebraic Concepts**

Emphasizes concepts and operations which are applied to the study of algebra. Topics include basic mathematical concepts, basic algebraic concepts, and intermediate algebraic concepts.

**Credits:** 3

**Prerequisites:**

minimum NextGen ACCUPLACER Arithmetic score of 229 & minimum NextGen ACCUPLACER Algebra score of 220.

**MATH 1015: Geometry and Trigonometry**

Emphasizes basic geometric and trigonometric concepts. Topics include measurement conversion, geometric terminology and measurements, and trigonometric terminology and functions.

**Credits:** 3

**Prerequisites:**

MATH 1111  
ALHS 1011  
ALHS 1090

**MATH 1017: Trigonometry**

Emphasizes trigonometric concepts, logarithms, and exponential functions. Topics include trigonometric concepts, logarithms and exponentials.

**Credits:** 3

**Prerequisites:**

MATH 1013  
ALHS 1011  
ALHS 1090

**MATH 1100: Quantitative Skills & Reasoning**

Emphasizes algebra, statistics, and mathematics of finance. Topics include fundamental operations of algebra, sets and logic, probability and statistics, geometry, and mathematics of finance.

**Credits:** 3

**Prerequisites:**

minimum ACCUPLACER Algebra score of 245.

**MATH 1101: Mathematical Modeling**

Emphasizes functions using real-world applications as models. Topics include fundamental concepts of algebra; functions and graphs; linear, quadratic, polynomial, exponential, and logarithmic functions and models; systems of equations; and optional topics in algebra.

**Credits:** 3

**Prerequisites:**

minimum NextGen ACCUPLACER Algebra score of 245.

**MATH 1103: Quantitative Skills & Reasoning**

This course focuses on quantitative skills and reasoning in the context of experiences that students will be likely to encounter. The course emphasizes processing information in context from a variety of representations, understanding of both the information and the processing, and understanding which conclusions can be reasonably determined. Students will use appropriate technology to enhance mathematical thinking and understanding. Topics covered in this course include: sets and set operations, logic, basic probability, data analysis, linear models, quadratic models, exponential and logarithmic models, geometry, and financial management.

**Credits:** 3

**Prerequisites:**

minimum Next Gen ACCUPLACER Algebra score of 245.

**Co-Requisites:**

None.

**MATH 1111: College Algebra**

Emphasizes techniques of problem solving using algebraic concepts. Topics include fundamental concepts of algebra, equations and inequalities, functions and graphs, and systems of equations; optional topics include sequences, series, and probability or analytic geometry.

**Credits:** 3

**Prerequisites:**

minimum NextGen ACCUPLACER Algebra score of 245.

**MATH 1112: College Trigonometry**

Emphasizes techniques of problem solving using trigonometric concepts. Topics include trigonometric functions, properties of trigonometric functions, vectors and triangles, inverse of trigonometric functions and graphing of trigonometric functions, logarithmic and exponential functions, and complex numbers.

**Credits:** 3

**Prerequisites:**

MATH 1111  
ALHS 1011  
ALHS 1090

**MATH 1113: Precalculus**

Prepares students for calculus. The topics discussed include an intensive study of polynomial, rational, exponential, logarithmic, and trigonometric functions and their graphs. Applications include simple maximum and minimum problems, exponential growth and decay

**Credits:** 3

**Prerequisites:**

MATH 1111 or minimum NextGen ACCUPLACER Algebra score of 245.

**MATH 1127: Introduction to Statistics**

Emphasizes the concepts and methods fundamental to utilizing and interpreting commonly used statistics. Topics include descriptive statistics, basic probability, discrete and continuous distributions, sampling distributions, hypothesis testing chi square tests, and linear regression.

**Credits:** 3

**Prerequisites:**

minimum NextGen ACCUPLACER Algebra score of 245.

**MATH 1131: Calculus I**

Topics include the study of limits and continuity, derivatives, and integrals of functions of one variable. Applications are incorporated from a variety of disciplines. Algebraic, trigonometric, exponential, and logarithmic functions are studied.

**Credits:** 4

**Prerequisites:**

MATH 1113 or minimum NextGen ACCUPLACER Algebra score of 245.

**MATH 1132: Calculus II**

This course includes the study of techniques of integration, application of the definite integral, an introduction to differential equations, polar graphs, and power series.

**Credits:** 4

**Prerequisites:**

MATH 1113  
ALHS 1011  
ALHS 1090

**MATH 1133: Calculus III**

This course includes the study of functions defined on regions in two or three dimensional space and that have values in one, two, or three dimensional space. Topics include partial derivatives, vector fields and analysis, multiple integrals, and applications of these topics.

**Credits:** 4

**Prerequisites:**

MATH 1132  
ALHS 1011  
ALHS 1090

# Mechanical Engineering Courses

**MEGT 1010: Manufacturing Process**

This course introduces industrial manufacturing processes that employ processes for material shaping, joining, machining and assembly to the student. Topics include: casting, shaping and molding of metals, ceramics and polymers; particulate processing of metals and ceramics, metal forming, machining, sheet metal working, joining and assembling, surface treatment, and manufacturing design considerations. Emphasis is provided on raw materials, quality, and costs of finished products. The course includes lab exercises that demonstrate the applications of the topics covered in actual manufacturing processes.

**Credits:** 3

**Prerequisites:**

ENGT 1000  
MCHT 1013

**MEGT 1321: Machining and Welding**

An introduction to machining and welding technology. This course will include emphasis of use and operation of selected machinery, various machining operations, selected welding processes and precision measuring instruments to be combined with laboratory projects and safety. Topics will include industrial safety and health practices; welding quality; use of cutting and grinding tools; introduction to welding terms and symbols; shielded metal arc welding (SMAW); gas metal arc welding (GMAW); gas tungsten arc welding (GTAW); basic machining operations; and precision measuring instruments.

**Credits:** 2

**Prerequisites:**

MEGT 1010

MCHT 1013

## Medical Assisting Courses

**MAST 1010: Legal & Ethical Concerns**

Introduces the basic concept of medical assisting and its relationship to the other health fields. Emphasizes medical ethics, legal aspects of medicine, and the medical assistant's role as an agent of the physician. Provides the student with knowledge of medical jurisprudence and the essentials of professional behavior. Topics include: introduction to medical assisting; introduction to medical law; physician/patient/assistant relationship; medical office in litigation; as well as ethics, bioethical issues and HIPAA.

**Credits:** 2

**MAST 1030: Pharmacology in the Medical Office**

Introduces medication therapy with emphasis on safety; classification of medications; their actions; side effects; medication and food interactions and adverse reactions. Also introduces basic methods of arithmetic used in the administration of medications. Topics include: introductory pharmacology; dosage calculation; sources and forms of medications; medication classification; and medication effects on the body systems.

**Credits:** 4

**Prerequisites:**

Program Admission, MATH 1012.

**MAST 1060: Medical Office Procedures**

Emphasizes essential skills required for the medical practice. Topics include: office protocol, time management, appointment scheduling, medical office equipment, medical references, mail services, medical records, electronic records, and professional communication.

**Credits:** 4

**MAST 1080: Medical Assisting Skills**

Introduces the skills necessary for assisting the physician with a complete history and physical in all types of medical practices. The course includes skills necessary for sterilizing instruments and equipment and setting up sterile trays. The student also explores the theory and practice of electrocardiography. Topics include: infection control and related OSHA guidelines; prepare patients/assist physician with age and gender-specific examinations and diagnostic procedures; vital signs/mensuration; medical office surgical procedures, respiratory evaluations and electrocardiography.

**Credits:** 4

**Prerequisites:**

Program admission, ALHS 1011, ALHS 1090.

**MAST 1090: Medical Assisting Skills II**

Further student knowledge of the more complex activities in a physician's office. Topics include: collection/examination of specimens and CLIA regulations/risk management; urinalysis; venipuncture; hematology and chemistry evaluations; applied microbiology; advanced reagent testing (Strep Test, HcG etc); administration of medications; medical office emergency procedures and emergency preparedness; rehabilitative therapy procedures; principles of radiology safety and maintenance of medication and immunization records and nutrition.

**Credits:** 4

**Prerequisites:**

Program Admission, ALHS 1011, ALHS 1090, MAST 1080.

**MAST 1100: Medical Insurance Management**

Emphasizes essential skills required to file insurance claims within the medical practice. Provides information on types of third party plans, managed care policies and procedures, and procedures, and insurance coding conventions. Topics include: managed care, reimbursement, and coding.

**Credits:** 2

**MAST 1110: Administrative Practice Management**

Emphasizes essential skills required for the medical practice in the areas of computers and application of computer skills, electronic health records, accounting procedures, and practice management software. Topics include: accounting procedures and application software.

**Credits:** 3

**Prerequisites:**

ALHS 1011  
ALHS 1090  
COMP 1000  
ENGL 1010

**MAST 1120: Human Disease**

Provides review of anatomy and physiology per body system and fundamental information concerning common diseases and disorders of each body system. For each system, the disease or disorder is highlighted including: description, etiology, signs and symptoms, diagnostic procedures, treatment, management, prognosis, and prevention. Topics include: review of anatomy and physiology and diseases of the body systems

**Credits:** 3

**Prerequisites:**

Program admission, ALHS 1011, ALHS 1090.

**MAST 1170: Medical Assisting Externship**

Provides students with an opportunity for in-depth application and reinforcement of principles and techniques in a medical office job setting. This clinical practicum allows the student to become involved in a work setting at a professional level of technical application and requires concentration, practice, and follow-through. Topics include: application of classroom knowledge and skills and functioning in the work environment.

**Credits:** 6

**Prerequisites:**

Program admission and completion of all Medical Assisting Classes except [MAST 1180](#).

**MAST 1180: Medical Assisting Seminar**

Seminar focuses on job preparation and maintenance skills and review for the certification examination. Topics include: letters of application, resumes, completing a job application, job interviews, follow-up letter/call, letters of resignation and review of program competencies for employment and certification.

**Credits:** 3

**Prerequisites:**

Program admission and completion of all Medical Assisting Classes except [MAST 1170](#).

## Neuromuscular Massage Therapy Courses

**NEUT 1001: Musculoskeletal Anatomy & Physiology I**

This is the first of two courses which provide an advanced understanding of musculoskeletal anatomy so as to enable the student to better assess and treat client conditions. Topics include: bones; joints; terminology; and muscles by region.

**Credits:** 4

**Prerequisites:**

ALHS 1090  
ALHS 1011

**NEUT 1005: Musculoskeletal Anatomy & Physiology II**

This is the second of two courses which provide an advanced understanding of musculoskeletal anatomy so as to enable the student to better assess and treat client conditions. Topics include: bones; joints; terminology; and muscles by region.

**Credits:** 4

**Prerequisites:**

NEUT 1020  
NEUT 1030  
NEUT 1050  
NEUT 1060

**NEUT 1010: Neural Science**

This course provides an understanding of nervous system to enable the student to better assess and treat client conditions. Topics include: nervous systems structure and function: communication of the neural and endocrine system

**Credits:** 3

**Prerequisites:**

NEUT 1030  
NEUT 1050  
NEUT 1060  
NEUT 1080

**NEUT 1020: Pathology/  
Neuromuscular Therapy**

This course prepares students to identify general pathological conditions so as to be able to refer for medical attention or identify indications and contraindications for massage for specific body systems as stated: musculoskeletal, endocrine, nervous, integumentary, circulatory and lymphatic, respiratory, gastrointestinal, urinary, and reproductive systems. Topics include: review of basic anatomy and physiology per body system; identification of pathologic conditions per body system; physiologic effects of manual therapies upon each body system; formation of a treatment plan; indications versus contraindications for treatment; dysfunction versus disease; critical reading; and NMT Foundational Platform.

**Credits:** 3**Prerequisites:**ALHS 1090  
ALHS 1011**NEUT 1030: Neuromuscular  
Therapy Fundamentals**

Provides student with knowledge and practice of basic skills necessary for maintaining a successful and responsible career as a Neuromuscular therapist. This course prepares students in practical application for clinic by developing the proper skills necessary for interviewing clients, collecting data, assessment of data collection, developing patient care plan, and proper documentation. Topics include: history of massage and body work; professionalism, effective communication skills; documentation and charting; formation of a treatment plan utilizing assessment procedures; and critical reading.

**Credits:** 3**Prerequisites:**ALHS 1090  
ALHS 1011**NEUT 1050: Technique and  
Theory I**

This course lays the foundation for other neuromuscular courses as it provides the essential basic skills for soft tissue manipulations. Students will learn how to incorporate the basic Swedish strokes as well as integrate each body region into a full body treatment session. Topics include: therapeutic environment; client positioning, bolstering, and draping; endangerment sites; Swedish strokes per NCE; integrated routine; mobile practice; and self-care.

**Credits:** 5**Prerequisites:**ALHS 1090  
ALHS 1011**NEUT 1060: Clinic I**

Students begin clinical reasoning and provide supervised therapy services in the college clinic. Students will apply skills learned in previous courses to interview clients; document assessment findings; discern indications and contraindications; develop and implement proper treatment plans; and deliver and evaluate effective Swedish and Deep tissue sessions for a minimum of three clients per week. Student will continue to utilize wellness essentials, evaluate client/therapist communication, and improve professional work ethic. This course also includes a community service component. Topics include: documentation; effective communication skills; effective treatment; preceptor shadowing; case study; community outreach; and self-care.

**Credits:** 2**NEUT 1080: Techniques and  
Theory II**

This course enhances didactic instruction of students in the techniques of neuromuscular therapy (NMT) as related to physiologic factors of pain such as Ischemia, Trigger Points, Postural Distortion, Neural Compression/Entrapment, Biomechanical Dysfunction, Nutrition and Stress in an attempt to restore and maintain a balance among the muscular, skeletal and nervous systems. Topics include: NMT foundational platform; NMT application fundamentals; indications and contraindications for treatment; muscles; NMT treatment per body region; and self-care.

**Credits:** 3**NEUT 1081: Techniques and  
Theory III**

This course enhances didactic instruction of students in the techniques of neuromuscular therapy (NMT) as related to physiologic factors of pain such as Ischemia, Trigger Points, Postural Distortion, Neural Compression/Entrapment, Biomechanical Dysfunction, Nutrition and Stress in an attempt to restore and maintain a balance among the muscular, skeletal and nervous systems. Topics include: NMT foundational platform; NMT application fundamentals; indications and contraindications for treatment; muscles; NMT treatment per body region; and self-care.

**Credits:** 3



**NEUT 1100: Adjunctive Modalities**

This course is intended to be an overview of other adjunctive modalities. Further supervised study and training in these modalities is necessary for responsible therapy. Topics include: pregnancy massage, lymphatic drainage, advanced assessment techniques, muscle lengthening techniques, thermotherapy, passive and active engagement, positional release techniques, myofascial release overview, and critical reading.

**Credits:** 3

**NEUT 1110: Licensure Review**

This course is an integration and review of didactic instruction in order to prepare students to take the National Certification Examination (NCETM/NCETMB) or an equivalent licensure exam approved by the Therapist's chosen state of practice. Students will be self-directed in review of competencies of NCBTMB or other chosen licensing exam. Also, students will participate in simulated registry exams. Review topics include: anatomy, physiology, and kinesiology; massage application and assessment; pathology; professional ethics and business practices; clinical reasoning; and Eastern modalities.

**Credits:** 3

**NEUT 1120: Clinic II**

Students will continue clinical reasoning and provide supervised therapy services in the college clinic. Students will apply skills learned in previous courses to interview clients, document assessment findings, discern indications and contraindications, develop and implement proper treatment plans, and deliver and evaluate effective treatment plan sessions for a minimum of three clients per week utilizing combined therapies of NMT routines, Swedish, and deep tissue. Student will continue to utilize wellness essentials, evaluate client/therapist communication, and improve professional work ethic. This course also includes a community service component. Topics include: documentation, advanced communication skills, effective treatment, preceptor shadowing, community outreach and self-care.

**Credits:** 2

**NEUT 1230: Professional Leadership for Neuromuscular Therapy**

This course is designed to prepare students to develop professional leadership skills and maintain a successful practice as a Neuromuscular Therapist. This course will explore local and Georgia law as it pertains to the regulation and licensure of Massage Therapy. Also addressed are professional ethics and standards for practice per chosen professional massage therapy organization. Topics include: networking; business promotion; business management; start-up plan portfolio; financial management; State (Georgia) law; Local Law; and Professional Ethics.

**Credits:** 2

## Nurse Aide Courses

**NAST 1100: Nurse Aide Fundamentals**

Introduces student to the role and responsibilities of the Nurse Aide. Emphasis is placed on understanding and developing critical thinking skills, as well as demonstrating knowledge of the location and function of human body systems and common disease processes; responding to and reporting changes in a residents/patient's condition, nutrition, vital signs; nutrition and diet therapy; disease processes; vital signs; observing, reporting and documenting changes in a residents condition; emergency concerns; ethics and legal issues and governmental agencies that influence the care of the elderly in long term care settings; mental health and psychosocial well-being of the elderly; use and care of mechanical devices and equipment; communication and interpersonal skills and skills competency based on federal guidelines. Specific topics include: roles and responsibilities of the Nurse Aide; communication and interpersonal skills; topography, structure, and function of the body systems; injury prevention and emergency preparedness; residents rights; basic patient care skills; personal care skills; and restorative care.

**Credits:** 6

## Nursing (ASN) Courses

### **RNSG 2021: Fundamentals of Nursing**

This course is designed to introduce students to the fundamental concepts of nursing across the lifespan, along with the application of basic skills related to health history collection and physical assessment of all body systems. The course includes the consideration of nutritional, bio/ psychosocial, developmental, cultural and spiritual needs, and transitional changes related to variations in health status of the client. The establishment and maintenance of a therapeutic nurse/client relationship is emphasized. Critical thinking skills are developed through activities and exercises presented in the classroom and skills lab. With a focus on patient-centered care, the nursing process will be utilized to identify and provide the building blocks of nursing care in a variety of healthcare settings. Emphasis is placed on developing skills needed to provide safety, minimizing the risk of harm to patients and providers, and evidence-based practice. Guided learning experiences in the skills and computer laboratories will assist the student in making a learning transition. The transition occurs as the student moves from basic skills to more advanced skills. Concepts presented include beginning teamwork and collaboration, documentation, patient safety, informatics, physical assessment, infection control, patient education, and the Nursing Process. Inpatient and outpatient clinical rotations will provide opportunities for the student to achieve course competencies. The course provides opportunities for the student to acquire an adequate knowledge utilizing understanding from the biophysical sciences, humanities, growth and development, problem solving abilities, critical thinking and the nursing process.

**Credits:** 7

### **Prerequisites:**

Program Admission.

### **Co-Requisites:**

RNSG 2022. Offered: Jesup Campus.

### **RNSG 2022: Mental Health Nursing**

This course will provide the student with an opportunity to provide patient-centered care by exploring and applying the conceptual basis for professional nursing with clients in the mental health field. With a focus on psychiatric nursing services to individuals, within the context of their families, with an emphasis on teamwork and collaboration, health patterns, evidence-based practice, safety, ethics, and role development, supervised inpatient and outpatient clinical rotations will provide the opportunities for the students to achieve the course competencies. This course provides opportunities for the student to acquire an adequate knowledge utilizing evidence-based practice from the biophysical sciences, humanities, growth and development, problem solving abilities and the nursing process. This course will explore pharmacology, cultural diversity, nutrition and the legal and ethical aspects of mental health nursing.

**Credits:** 5

### **Prerequisites:**

Program Admission.

### **Co-Requisites:**

RNSG 2021. Offered: Jesup Campus.

**RNSG 2023: Medical Surgical Nursing I**

This course is designed to prepare associate degree nursing students to provide nursing care unitizing concepts and skills introduced in the Fundamentals course (RNSG 2020). Nursing care that promotes healthy transitions for clients experiencing variations of health status related to gastrointestinal, respiratory, musculoskeletal, neurological, cardiovascular, and psychosocial functions is included. Special consideration is given to the care of the elderly and clients during the operative period. Critical thinking skills are unitized to meet the bio/psychosocial, developmental, cultural, and spiritual needs of the client. Emphasis is placed on the application of the roles of associate degree nursing practice.

**Credits:** 6

**Prerequisites:**

[RNSG 2021](#) and [RNSG 2022](#).

**Co-Requisites:**

RNSG 2024. Offered: Jesup.

**RNSG 2024: Pharmacology in Nursing**

This course focuses on the information required to safely administer drugs and monitor the effects of drug therapy. Emphasis is placed on dosage calculations and principles of pharmacology including drug actions, interactions, and nursing implications for broad classifications of medications. Students are expected to utilize the nursing process and critical thinking in the administration of prescribed medications, taking a medication history, and teaching patients about medications in a simulated setting prior to administering medications in a variety of health care settings.

**Credits:** 3

**Prerequisites:**

[RNSG 2021](#) and [RNSG 2022](#).

**Co-Requisites:**

RNSG 2023. Offered: Jesup Campus.

**RNSG 2029: Medical Surgical Nursing II**

Medical Surgical II course focuses on the care of clients with critical care/acute/chronic/complex needs and problems related to health transitions in cardiac, renal, gastrointestinal, neurological, endocrine, and immunological systems across the life span. Emphasis in this course is placed on the refinement of assessment; care planning; critical thinking and decision making; communication; and nursing skills appropriate with the level of the associate degree-nursing student.

**Credits:** 6

**Prerequisites:**

[RNSG 2023](#) and [RNSG 2024](#).

**Co-Requisites:**

RNSG 2031. Offered: Jesup Campus.

**RNSG 2031: Maternal/Pediatric Nursing**

Maternal child course is designed to prepare associate degree nursing students to provide care to mothers and children with an emphasis on the refinement of assessments, care planning, critical thinking and decision making, communication, and nursing skills appropriate with the level of the associate degree-nursing student.

**Credits:** 7

**Prerequisites:**

[RNSG 2023](#) and [RNSG 2024](#).

**Co-Requisites:**

RNSG 2029. Offered: Jesup Campus.

### **RNSG 2033: Medical Surgical Nursing III**

Medical Surgical III Capstone Course will challenge students to synthesize and incorporate knowledge gained in the nursing profession and roles and responsibilities related to associate degree nursing. The student is expected to apply knowledge gained through the ASN program to the care of diverse clients in various practice settings. Information gained from historical perspective as well as current trends/issues in nursing will be utilized throughout the course. Emphasis is placed on ensuring the transition from student to graduate nurse via actual Hospital and Simulation Hospital, preceptorships and opportunities for leadership. These reality-based practice experiences will allow the student opportunity to provide and manage care while serving in the role of team member and team leader. Students will provide care to clients experiencing complex, acute, and emergency variations in health status related to the pathophysiological changes that occur with burns, organ failure, organ transplants, end-of-life issues, and disaster situations. The student will demonstrate critical thinking skills; utilize the principles of delegation; and exhibit communication and collaboration techniques in the management of a client caseload.

**Credits:** 6

**Prerequisites:**

2029 and 2031. Offered: Jesup Campus.

## Paralegal Courses

### **PARA 1100: Introduction to Law and Ethics**

Emphasizes the American legal system, the role of the lawyer and legal assistant within that system, and the ethical obligations imposed upon attorneys and legal assistants. Topics include: survey of American jurisprudence, code of professional responsibility and ethics overview, and introduction to areas of law and legal vocabulary.

**Credits:** 3

**Prerequisites:**

None.

**Co-Requisites:**

None.

### **PARA 1105: Legal Research & Writing I**

Introduces the student to the process of locating statutory, judicial, administrative and secondary sources on both a state and federal level. The student will utilize both print and electronic research resources. Focuses on the application and reinforcement of basic writing skills, familiarizes the student with types of writing typically engaged in by lawyers and legal assistants, and prepares the student for legal writing tasks. The student learns to write business letters as well as advisory documents. Topics include: legal analysis and legal correspondence and composition

**Credits:** 3

**Prerequisites:**

ENGL 1101 and PARA 1100.

### **PARA 1110: Legal Research & Writing II**

Builds on competencies acquired in PARA 1105 and continues the process of locating statutory, judicial, administrative and secondary sources on both a state and federal level. The student will conduct a wider range of research in both print and electronic research resources. Emphasis will be placed on preparation of legal documents. Criminal case documents will be examined, but most of the emphasis will be on civil matters. The student will be presented factual scenarios, and utilizing these facts, research and develop a case from intake to trial.

**Credits:** 3

**Prerequisites:**

ENGL 1101 and PARA 1100 and PARA 1105.

### **PARA 1115: Family Law**

Introduces the student to the issues which may arise in family law cases and to the role of the paralegal in assisting the attorney in the development and presentation of such cases. Topics include: issues associated with client and witness interviews, marriage validity and dissolution, litigation support in family law matters, issues concerning children, special matters in family law, and attorney and paralegal ethical obligations.

**Credits:** 3

**Co-Requisites:**

PARA 1100  
ELCR 2600

**PARA 1120: Real Estate Law**

Introduces the student to the basic concepts of real property law as they pertain to common types of real estate transactions. Additionally, emphasis will be placed on practical skills such as document preparation and title examination. Topics include: real estate contracts, plat reading and legal descriptions, types and purposes of deeds, title searches, common real estate mortgages and documentation, real estate closing and closing statements, recordation statutes and requirements, and elements of the lease.

**Credits:** 3**Co-Requisites:**

PARA 1100  
ELCR 2600

**PARA 1125: Criminal Law and Procedure**

Introduces the student to the basic concepts of substantive criminal law and its procedural aspects with an emphasis on the constitutionally protected rights of the accused in the criminal justice system. Topics include: substantive criminal law and procedure and criminal litigation support.

**Credits:** 3**Co-Requisites:**

PARA 1100  
ELCR 2600

**PARA 1130: Civil Litigation**

Emphasizes competencies and concepts of civil litigation in both federal and state courts. Topics include: federal and state litigation; trial and pretrial proceedings; litigation ethics; and litigation documents, exhibits, investigations, and interviews.

**Credits:** 3**Prerequisites:**

None.

**Co-Requisites:**

None.

**PARA 1135: Wills, Trusts, Probate and Administration**

Provides a general framework of the substantive theory of wills, trusts, and estates. Topics include: wills, trusts, and powers of attorney; probate of wills and administration of estates; document preparation for other probate proceedings; general jurisdiction of the probate court; terminology of wills and estate practice; client interviews; and document preparation.

**Credits:** 3**Co-Requisites:**

PARA 1100  
ELCR 2600

**PARA 1140: Tort Law**

Introduces the student to the basic concepts of substantive tort law. Topics include: concepts of intentional torts, negligence and product liability; causation and liability concepts; damages and defenses; and special tort actions and immunities.

**Credits:** 3**Co-Requisites:**

PARA 1100  
ELCR 2600

**PARA 1145: Law Office Management**

Introduces the student to common forms of law practice. The student will be exposed to methods of billing and time-keeping, automation in the law office, the law office library, the appropriate role of support staff in the law office, and ethical concerns relevant to law office management. Topics include: forms of law practice and insurance needs, support systems, support staff, and ethical responsibilities.

**Credits:** 3**Co-Requisites:**

PARA 1100  
ELCR 2600

**PARA 1150: Contracts, Commercial Law, Business Organizations**

Introduces the student to the basic concepts of legal rules commonly applicable in commercial settings, to the basic concepts of substantive contract law and to the formulation and operation of sole proprietorships, general partnerships, limited partnerships, and corporations. Additionally, the course explores the basic concepts of agency law. Topics include Constitutional law and its impact on business, the essential elements of a contract and related legal principles and the Uniform Commercial Code, sole proprietorships, partnerships, and professional associations and other business organizations, corporations and tax implications of different organizations

**Credits:** 3**Co-Requisites:**

PARA 1100  
ELCR 2600

**PARA 1200: Bankruptcy/Debtor-Creditor Relations**

Introduces the student to the purpose and application of the Federal Bankruptcy Code and Rules, as well as applicable state law related to bankruptcy and debtor-creditor issues. Topics include: the Bankruptcy Code and Rules, Bankruptcy Court procedures, the preparation of bankruptcy forms and documents, state law workouts and collection, and the role of the paralegal in a bankruptcy practice.

**Credits:** 3**Prerequisites:**

PARA 1100  
ALHS 1011

**PARA 1205: Constitutional Law**

Explains the major legal principles and concepts of the U.S. Constitution including governmental powers and structure, and civil liberties. Additionally, this course includes an exploration of the history of the Constitution and case law interpreting it.

**Credits:** 3

**Co-Requisites:**

PARA 1100

ELCR 2600

**PARA 1210: Legal & Policy Issues in Healthcare**

Provide an overview of the legal issues involved in the delivery of healthcare and the issues relating to Elder Law. Students will recognize the fundamentals of the healthcare treatment relationship, liability issues, patient care decisions and the human condition of sickness. They will explore the complexities of health care financing, health care access, governmental regulations and privacy issues. Topics will also include access to care, informed consent, patient care decisions, the doctor-patient relationship, end-of-life decision making, legal problems of the elderly, law and mental health, AIDS and the law and the privatization of health care facilities.

**Credits:** 3

**Co-Requisites:**

PARA 1100

ELCR 2600

**PARA 1215: Administrative Law**

Introduces the student to the basic concepts of administrative law including the legislative process related to enabling the agency. The Administrative Procedure Act (federal and state) is covered. Topics also include agency discretion, due process, delegation, rulemaking, investigation, information collection, informal proceeding, hearings, and judicial review. Because paralegals are permitted to represent individuals in some agency proceedings (e.g., social security, unemployment, etc.), the students are introduced to the various aspects of such representation.

**Credits:** 3

**Co-Requisites:**

PARA 1100

ELCR 2600

**PARA 2200: Paralegal Practicum**

Focuses on the application and reinforcement of paralegal skills and employability principles to further professional development through a practicum with simulated work experiences.

**Credits:** 6

**Prerequisites:**

PARA 1100, PARA 1115, PARA 1105, PARA 1125, PARA 1140, PARA 1150, PARA 1120, PARA 1130, PARA 1135, and PARA 1145.

**PARA 2205: Advanced Legal Research & Writing**

Continues to develop writing skills developed in PARA 1105 and 1110 focusing on legal memoranda preparation. Additionally, students enhance legal research skill. Course competencies include research methodology, legal memoranda preparation, and substantive law research.

**Credits:** 3

**Prerequisites:**

ENGL 1101, PARA 1100, PARA 1105, and PARA 1110.

**PARA 2210: Paralegal Internship I**

Focuses on the application and reinforcement of paralegal skills in an actual workplace environment, or at the discretion of the instructor, in a school practicum with simulated work experiences. Students are acquainted with occupational responsibilities through realistic work situations and are provided with insights into paralegal applications on the job. Topics include: problem solving, adaptability to the job setting, use of proper interpersonal skills, application of paralegal skills in a workplace setting, and professional development.

**Credits:** 6

**Prerequisites:**

With Advisor Approval: ENGL 1101, PARA 1100, PARA 1105, and PARA 1110.

**PARA 2215: Paralegal Internship II**

This course continues the focus on the application and reinforcement of paralegal skills in an actual workplace environment, or at the discretion of the instructor, in a school practicum with simulated work experiences. Realistic work situations are used to provide students with in-sights into paralegal applications on the job. Topics include: problem solving, adaptability to the job setting, use of proper interpersonal skills, application of paralegal skills in a workplace setting, and professional development

**Credits:** 6

**Prerequisites:**

Must be in last semester of program. With advisor approval, may take concurrently with last semester courses.

**PCTA 1105: Advanced Patient Care**

An introduction to patient care techniques and skills needed to function in a hospital and/or health care setting. Topics include: growth and development, communication skills, pain assessment, care of the disoriented client, vital signs, heights, weights, patient safety, patient education, and advanced technical skills.

**Credits:** 4

**Prerequisites:**

ENGL 1010, COMP 1000, ALHS 1011, PSYC 1010, MATH 1012, ALHS 1090, ALHS 1040, ALHS 1060, and NAST 1100.

## Paramedicine Courses

**EMSP 1010: Emergency Medical Responder**

The Emergency Medical Responder (EMR) course prepares the student to provide initial stabilizing care to the sick or injured prior to the arrival of Emergency Medical Services Professionals (EMS), and to assist EMS personnel in transporting patients for definitive care at an appropriate hospital/facility. Major areas of instruction include Introductory Medical Terminology and Anatomy & Physiology; Responder Safety; Incident Command; Bloodborne Pathogen Training; Basic Physical Assessment; and Treatment of Trauma and Medical Emergencies; Cardio-pulmonary Resuscitation and the use of Automatic External Defibrillators. The course is a blend of lecture, hands on lab/learning, and practical scenario based learning/testing. The course will include Healthcare Provider CPR/AED Certification from a Nationally Recognized Body (American Heart Association, Red Cross, etc). If this course is also approved by the Georgia State Office of Emergency Medical Services and Trauma (SOEMST), successful completion will allow the student to be eligible to take the National Registry of Emergency Medical Technicians (NREMT) Emergency Medical Responder (EMR) certification. Topics include: Preparatory; Anatomy and Physiology; Medical Terminology; Pathophysiology; Life Span Development; Public Health; Pharmacology; Airway; Management; Respiration and Artificial Ventilation; Assessment; Medicine; Shock and Resuscitation; Trauma; Special Patient Populations; EMS Operations; and Integration of Patient Assessment and Management.

**Credits:** 4

**EMSP 1110: Introduction to the EMT Profession**

This course serves as the introductory course to the Emergency Medical Services (EMS) profession. It orients the student to the prehospital care environment, issues related to the provision of patient care in both in-hospital and out-of-hospital circumstances. It further provides foundational information upon which subsequent curriculum content is based so that successful completion of this content increases the potential for success in subsequent courses and should allow students to apply the fundamental knowledge, skills, and attitudes gained in order to effectively communicate and function safely, ethically and professionally within the emergency medical services environment. Topics include: Anatomy and Physiology, Medical Terminology, Pathophysiology, CPR for HCP, EMS Systems, Research, Workforce Safety and Wellness, Documentation, EMS System Communication, Therapeutic Communication, Medical/Legal and Ethics, Public Health, Principles of Safely Operating a Ground Ambulance, Incident Management, Multiple Casualty Incidents, Air Medical, Vehicle Extrication, HazMat, MCI due to Terrorism/Disaster, and Life Span Development.

**Credits: 3****EMSP 1120: Assess/Airway Management & Pharmacology**

This course prepares students for initial scene management and assessment of patients as well as management of the airway. Introduction to pharmacology is also covered. Includes application of scene information and patient assessment findings (scene size up, primary and secondary assessment, patient history, and reassessment) to guide emergency management. Topics include: Scene Size-Up; Primary Assessment; History Taking; Secondary Assessment; Monitoring Devices; Reassessment; Airway Management; Respiration; Artificial Ventilation; Principles of Pharmacology; Medication Administration; and Emergency Medications.

**Credits: 3****EMSP 1130: Medical Emergencies for the EMT**

This course integrates pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan of cases involving non-traumatic medical emergencies. Topics include: Medical Overview; Neurology; Abdominal and Gastrointestinal Disorders; Immunology; Infectious Disease; Endocrine Disorders; Psychiatric; Cardiovascular; Toxicology; Respiratory; Hematology; Genitourinary/Renal; Non-Traumatic Musculoskeletal Disorders; Diseases of the Eyes, Ears, Nose, and Throat; and Medical Assessments.

**Credits: 3****EMSP 1140: Special Patient Populations**

This course provides a fundamental knowledge of growth, development, and aging and assessment findings to provide basic emergency care and transportation for a patient with special needs. Topics include: Obstetrics, Gynecology, Neonatal Care, Pediatrics, Geriatrics, Patients with Special Challenges, and Special Patient Populations- Assessments.

**Credits: 3****EMSP 1150: Shock & Trauma for the EMT**

This course is designed to prepare the EMT student to apply pre-hospital emergency care to patients who have sustained injuries resulting from various mechanisms of injury including: Abdominal and Genitourinary trauma; Orthopedic trauma; Soft Tissue trauma; Head, Facial, Neck, and Spine Trauma and Nervous System trauma. Special considerations in trauma related injuries will be presented including the physiology of shock as well as multi-system trauma and environmental emergencies. Topics include: Shock and Resuscitation; Trauma Overview; Bleeding; Chest Trauma; Abdominal and Genitourinary Trauma; Orthopedic Trauma; Soft Tissue Trauma; Head, Facial, Neck, and Spine Trauma; Nervous System Trauma; Special Considerations in Trauma; Environmental Emergencies; and Multi-System Trauma.

**Credits: 3**



**EMSP 1160: Clinical & Practical Applications for the EMT**

This course provides supervised clinical experience in various clinical settings as well as opportunities to demonstrate critical thinking skills and assessment based management techniques through competency based evaluations relevant to the practice of an EMT. Topics include: Clinicals and Assessment Based Management.

**Credits: 1**

**EMSP 1510: Advanced Concepts for the AEMT**

This course serves as the introductory course to the advanced level practice of the Advanced Emergency Medical Technician (AEMT). It expands on the information attained at the EMT level. Topics include: EMS Systems; Documentation; EMS System Communication; Therapeutic Communication; Principles of Pharmacology; Medication Administration; Emergency Medications; Airway Management; Respiration; Artificial Ventilation; Primary Assessment; and Secondary Assessment.

**Credits: 3**

**EMSP 1520: Advanced Patient Care for the AEMT**

This course provides opportunities to apply fundamental knowledge of basic and selected advanced emergency care and transportation based on assessment findings for the following: an acutely ill patient; a patient in shock, respiratory failure or arrest, cardiac failure or arrest, and post resuscitation management; and an acutely injured patient. In addition it provides a fundamental knowledge of growth, development, and aging and assessment findings to provide basic and selected advanced emergency care and transportation for a patient with special needs. Topics include: Geriatrics; Patients with Special Challenges; Medical Overview; Neurology; Immunology; Infectious Disease; Endocrine Disorders; Cardiovascular; Toxicology; Respiratory; Hematology; Genitourinary/ Renal; Shock and Resuscitation; Chest Trauma; Abdominal and Genitourinary Trauma; Orthopedic Trauma; Head, Facial, Neck, and Spine Trauma; Nervous System Trauma; and Integration of Medical/Trauma Assessments.

**Credits: 3**

**EMSP 1530: Clinical Applications for the AEMT**

This course provides supervised clinical experience in various clinical settings. Topics include: Clinicals.

**Credits: 1**

**EMSP 1540: Clinical & Practical Applications for the AEMT**

This course provides supervised clinical experience in various clinical settings as well as opportunities to demonstrate critical thinking skills and assessment based management techniques through competency based evaluations relevant to the practice of an AEMT. Topics include: Clinicals and Assessment Based Management.

**Credits: 3**

**EMSP 2110: Foundations of Paramedicine**

This course introduces the student to the role of the paramedic in today's healthcare system, with a focus on the prehospital setting. This course will also prepare the student to integrate scene and patient assessment findings with knowledge of epidemiology and pathophysiology to form a field impression. This includes developing a list of differential diagnoses through clinical reasoning to modify the assessment and formulate a treatment plan. Topics include: EMS Systems; Research; Workforce Safety and Wellness; Documentation; EMS System Communication; Therapeutic Communication; Medical/Legal and Ethics; Life Span Development; Public Health; Incident Management; Air Medical; Scene Size-Up; Primary Assessment; History Taking; Secondary Assessment; Monitoring Devices; and Reassessment.

**Credits: 3**

**EMSP 2120: Applications of Pathophysiology for Paramedics**

This course expands the concepts of pathophysiology as it correlates to disease processes. This course will enable the student to apply the general concepts of pathophysiology to the assessment and management of patients in the emergency setting. Topics include: Pathophysiology.

**Credits:** 3

**EMSP 2130: Advanced Resuscitative Skills**

This course will equip the paramedicine student with an expanded knowledge of pharmacology, as well as skills used to manage the respiratory system. Students will learn to use these advanced resuscitative skills to mitigate patient care emergencies, and to improve the overall health of the patient. Topics include: Principles of Pharmacology; Medication Administration; Emergency Medications; Airway Management; Respiration; and Artificial Ventilation.

**Credits:** 3

**EMSP 2140: Advanced Cardiovascular Concepts**

This course equips the paramedicine student with an expanded knowledge of the anatomy, physiology, and electrophysiology of the cardiovascular system. Students will also examine the epidemiology of cardiovascular disease, and will begin to integrate advanced assessment skills (including ECG interpretation) into the assessment of cardiac patients. Topics include: Anatomy, Physiology, and Electrophysiology of the Cardiovascular System; Epidemiology of Cardiovascular Disease; Assessment of the Cardiac Patient; Electrocardiographic (ECG) interpretation.

**Credits:** 4

**EMSP 2310: Therapeutic Modalities of Cardiovascular Care**

This course will enable the student to integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient experiencing a cardiovascular emergency. Topics include: Cardiovascular Emergencies and Advanced Cardiovascular Life Support (ACLS).

**Credits:** 3

**EMSP 2320: Therapeutic Modalities of Medical Care**

This course will enable the student to integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient experiencing a medical emergency. Topics include: Medical Overview; Neurology; Abdominal and Gastrointestinal Disorders; Immunology; Infectious Disease; Endocrine Disorders; Psychiatric; Toxicology; Respiratory; Hematology; Genitourinary/Renal; Non-Traumatic Musculoskeletal Disorders; Diseases of the Eyes, Ears, Nose, and Throat; and Assessment of Medical Emergencies.

**Credits:** 5

**EMSP 2330: Therapeutic Modalities of Trauma Care**

This course will enable the student to integrate a comprehensive knowledge of causes and pathophysiology into the management of traumatic: cardiac arrest and peri-arrest states; shock, respiratory failure or arrest with an emphasis on early intervention to prevent arrest. This course will also include integrating assessment findings with principles of epidemiology and pathophysiology to formulate a field impression to implement a comprehensive treatment/disposition plan for an acutely injured patient. During this course, the student will complete a nationally recognized pre-hospital trauma course (i.e. PHTLS, ITLS, ATT, etc.). Topics include: Shock and Trauma Resuscitation; Trauma Overview; Bleeding; Chest Trauma; Abdominal and Genitourinary Trauma; Orthopedic Trauma; Soft Tissue Trauma; Head, Facial, Neck, and Spine Trauma; Nervous System Trauma; Special Considerations in Trauma; Environmental Emergencies; Multi-System Trauma; and Assessment of Trauma Emergencies.

**Credits:** 4

**EMSP 2340: Therapeutic Modalities of Special Patient Populations**

This course will enable the student to integrate assessment findings with principles of pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment/disposition plan for various special patient populations. During this course, the student will also complete a nationally recognized pediatric course (i.e. EPC, PALS, PEPP, etc.). Topics include: Obstetrics; Gynecology; Neonatal Care; Pediatrics; Geriatrics; and Patients with Special Challenges.

**Credits:** 4

**EMSP 2510: Clinical Applications for Paramedic I**

This course provides the paramedicine student with supervised clinical experience in various clinical settings. EMSP 2510 Clinical Applications for the Paramedic I is one in a series of courses that also includes: EMSP 2520, EMSP 2530, EMSP 2540, EMSP 2550, EMSP 2560 and EMSP 2570. The successful completion of all of these will result in meeting all clinical standards required by the State Office of Emergency Medical Services and Trauma (SOEMST). Topics include: Clinicals.

**Credits:** 2

**EMSP 2520: Clinical Applications for Paramedic II**

This course provides the paramedicine student with supervised clinical experience in various clinical settings. EMSP 2520 Clinical Applications for the Paramedic II is one in a series of courses that also includes: EMSP 2510, EMSP 2530, EMSP 2540, EMSP 2550, EMSP 2560 and EMSP 2570. The successful completion of all of these will result in meeting all clinical standards required by the State Office of Emergency Medical Services and Trauma (SOEMST). Topics include: Clinicals.

**Credits:** 2

**EMSP 2530: Clinical Applications for Paramedic III**

This course provides the paramedicine student with supervised clinical experience in various clinical settings. EMSP 2530 Clinical Applications for the Paramedic III is one in a series of courses that also includes: EMSP 2510, EMSP 2520, EMSP 2540, EMSP 2550, EMSP 2560 and EMSP 2570. The successful completion of all of these will result in meeting all clinical standards required by the State Office of Emergency Medical Services and Trauma (SOEMST). Topics include: Clinicals.

**Credits:** 2

**EMSP 2540: Clinical Applications for Paramedic IV**

This course provides the paramedicine student with supervised clinical experience in various clinical settings. EMSP 2540 Clinical Applications for the Paramedic IV is one in a series of courses that also includes: EMSP 2510, EMSP 2520, EMSP 2530, EMSP 2550, EMSP 2560 and EMSP 2570. The successful completion of all of these will result in meeting all clinical standards required by the State Office of Emergency Medical Services and Trauma (SOEMST). Topics include: Clinicals.

**Credits: 1****EMSP 2550: Clinical Applications for Paramedic V**

This course provides the paramedicine student with supervised clinical experience in various clinical settings. EMSP 2550 Clinical Applications for the Paramedic V is one in a series of courses that also includes: EMSP 2510, EMSP 2520, EMSP 2530, EMSP 2540, EMSP 2560 and EMSP 2570. The successful completion of all of these will result in meeting all clinical standards required by the State Office of Emergency Medical Services and Trauma (SOEMST). Topics include: Clinicals.

**Credits: 1****EMSP 2560: Clinical Applications for Paramedic Vi**

This course provides the paramedicine student with supervised clinical experience in various clinical settings. EMSP 2560 Clinical Applications for the Paramedic VI is one in a series of courses that also includes: EMSP 2510, EMSP 2520, EMSP 2530, EMSP 2540, EMSP 2550 and EMSP 2570. The successful completion of all of these will result in meeting all clinical standards required by the State Office of Emergency Medical Services and Trauma (SOEMST). Topics include: Clinicals.

**Credits: 1****EMSP 2570: Clinical Applications for Paramedic VII**

This course provides the paramedicine student with supervised clinical experience in various clinical settings. EMSP 2570 Clinical Applications for the Paramedic VII is one in a series of courses that also includes: EMSP 2510, EMSP 2520, EMSP 2530, EMSP 2540, EMSP 2550 and EMSP 2560. The successful completion of all of these will result in meeting all clinical standards required by the State Office of Emergency Medical Services and Trauma (SOEMST). Topics include: Clinicals.

**Credits: 1****EMSP 2710: Field Internship for Paramedic**

Provides supervised field internship experience in the prehospital advanced life support setting. Topics include: Field Internship.

**Credits: 2****EMSP 2720: Practical Applications for Paramedic**

Allows opportunities to demonstrate critical thinking skills and assessment based management techniques through competency based evaluations relevant to the practice of a Paramedic. Topics include: Assessment Based Management for Paramedics.

**Credits: 3**

## Phlebotomy Courses

**PHLT 1030: Introduction to Venipuncture**

Provides an introduction to blood collecting techniques and processing specimens. Emphasis is placed on the knowledge and skills needed to collect all types of blood samples from hospitalized patients. Topics include: venipuncture procedure, safety and quality assurance; isolation techniques, venipuncture problems, and definitions; lab test profiles and patient care areas; other specimen collections and specimen processing; test combinations, skin punctures and POCT; professional ethics and malpractice; and certification and licensure.

**Credits: 3****Prerequisites:**

ALHS 1011, ALHS 1090, & ALHS 1040.

**PHLT 1050: Clinical Practice**

Provides work experiences in a clinical setting. Emphasis is placed on enhancing skills in venipuncture techniques. Topics include: introduction to clinical policies and procedures and work ethics; routine collections: adult, pediatric, and newborn; and special procedures.

**Credits: 5****Prerequisites:**

PHLT 1030.

## Physics Courses

### **PHYS 1110: Conceptual Physics**

Introduces some of the basic laws of physics. Topics include systems of units and conversion of units, vector algebra, Newtonian mechanics, fluids and thermodynamics, heat, light, and optics, mechanical waves, electricity and magnetism, and modern physics.

**Credits:** 3

**Prerequisites:**

MATH 1111  
PHYS 1110L  
ENGL 1101

### **PHYS 1110L: Conceptual Physics Lab**

Selected laboratory exercises paralleling the topics in PHYS 1110. The laboratory exercises for this course include systems of units and systems of measurement, vector algebra, Newtonian mechanics, fluids and thermodynamics, heat, light, and optics, mechanical waves, electricity and magnetism, and modern physics.

**Credits:** 1

**Prerequisites:**

MATH 1111  
PHYS 1110

### **PHYS 1111: Introductory Physics I**

The first course of two algebra and trigonometry based courses in the physics sequence. Topics include material from mechanics (kinematics, dynamics, work and energy, momentum and collisions, rotational motion, static equilibrium, elasticity theory, and simple harmonic motion), mechanical waves, theory of heat and heat transfer, and thermodynamics.

**Credits:** 3

**Prerequisites:**

ENGL 1101, MATH 1112 or MATH 1113, PHYS 1111L.

### **PHYS 1111L: Introductory Physics I Lab**

Selected laboratory exercises paralleling the topics in PHYS 1111. The laboratory exercises for this course include units of measurement, Newton's laws, work energy and power, momentum and collisions, one and two dimensional motion, circular motion and law of gravity, rotational dynamics and static equilibrium, elasticity theory, harmonic motion, theory of heat and heat transfer, thermodynamics, wave motion, and sound.

**Credits:** 1

**Prerequisites:**

PHYS 1111.

### **PHYS 1112: Introductory Physics II**

Topics include material from electricity and magnetism (electric charge, electric forces and fields, electric potential energy, electric potential, capacitance, magnetism, electric current, resistance, basic electric circuits, alternating current circuits, and electromagnetic waves), geometric optics (reflection and refraction), and physical optics (interference and diffraction).

**Credits:** 3

**Prerequisites:**

PHYS 1111 and PHYS 1111L and PHYS 1112L.

### **PHYS 1112L: Introductory Physics Lab**

Selected laboratory exercises paralleling the topics in PHYS 1112. The laboratory exercises for this course include material from electricity and magnetism, geometric optics, and physical optics.

**Credits:** 1

**Prerequisites:**

PHYS 1111 and PHYS 1111L and PHYS 1112.

## Practical Nursing & Related Courses

### **PNSG 2010: Introduction to Pharmacology & Clinical Calculations**

Applies fundamental mathematical concepts and includes basic drug administration. Emphasizes critical thinking skills. Topics include: systems of measurement, calculating drug problems, resource materials usage, fundamental pharmacology, administering medications in a simulated clinical environment, principles of IV therapy techniques, and client education.

**Credits:** 2

### **PNSG 2030: Nursing Fundamentals**

An introduction to the nursing process. Topics include: nursing as a profession; ethics and law; client care which is defined as using the nursing process, using critical thinking, and providing client education and includes principles and skills of nursing practice, documentation, and an introduction to physical assessment; customer/client relationships; standard precautions; basic life support; infection control/blood-borne/airborne pathogens; and basic emergency care/first aid and triage.

**Credits:** 6

**PNSG 2035: Nursing Fundamentals Clinical**

An introduction to nursing practice in the clinical setting. Topics include but are not limited to: history taking, physical assessment, nursing process, critical thinking, activities of daily living, documentation, client education; standard precautions; hygiene and personal care; mobility and biomechanics; fluid and electrolytes; oxygen care; and perioperative care.

**Credits: 2**

**PNSG 2210: Medical Surgical Nursing I**

Focuses on client care including using the nursing process, performing assessments, using critical thinking, engaging in client education and displaying cultural competence across the life span and with attention to special populations. Topics include: health management and maintenance; prevention of illness; care of the individual as a whole; immunology; as well as pathological diseases, disorders and deviations from the normal state of health, client care, treatment, pharmacology, nutrition and standard precautions with regard to the cardiovascular, respiratory, and hematological and immunological systems.

**Credits: 4**

**PNSG 2220: Medical Surgical Nursing II**

This second course in a series of four focuses on client care including using the nursing process, performing assessments, using critical thinking, engaging in client education and displaying cultural competence across the life span and with attention to special populations. Topics include: health management and maintenance; prevention of illness; care of the individual as a whole; as well as pathological diseases, disorders and deviations from the normal state of health, client care, treatment, pharmacology, nutrition and standard precautions with regard to the endocrine, gastrointestinal, and urinary system.

**Credits: 4**

**PNSG 2230: Medical Surgical Nursing III**

This third course in a series of four focuses on client care including using the nursing process, performing assessments, using critical thinking, engaging in client education and displaying cultural competence across the life span and with attention to special populations. Topics include: health management and maintenance; prevention of illness; care of the individual as a whole; mental health; as well as pathological diseases, disorders and deviations from the normal state of health, client care, treatment, pharmacology, nutrition and standard precautions with regard to the neurological, sensory, and musculoskeletal systems.

**Credits: 4**

**PNSG 2240: Medical Surgical Nursing IV**

This fourth course in a series of four courses focuses on client care including using the nursing process, performing assessments, using critical thinking, engaging in client education and displaying cultural competence across the life span and with attention to special populations. Topics include: health management and maintenance; prevention of illness; care of the individual as a whole, oncology; as well as pathological diseases, disorders and deviations from the normal state of health, client care, treatment, pharmacology, nutrition and standard precautions with regard to the integumentary and reproductive systems.

**Credits: 4**

**PNSG 2250: Maternity Nursing**

Focuses on health management and maintenance and the prevention of illness, care of the individual as a whole, and deviations from the normal state of health. The definition of client care includes using the nursing process, performing assessments, using critical thinking, providing client education, displaying cultural competence across the life span and with attention to special populations. Topics include: health management and maintenance and prevention of illness, care of the individual as a whole, pathological and nonpathological concerns in obstetric clients and the newborn; client care, treatments, pharmacology, and diet therapy related to obstetric clients and the newborn; and standard precautions.

**Credits: 3**

**PNSG 2255: Maternity Nursing Clinical**

Focuses on clinical health management and maintenance and the prevention of illness, care of the individual as a whole, and deviations from the normal state of health. The definition of client care includes using the nursing process, performing assessments, using critical thinking, providing client education, displaying cultural competence across the life span and with attention to special populations. Topics include: health management and maintenance and prevention of illness, care of the individual as a whole, pathological and nonpathological concerns in obstetric clients and the newborn; client care, treatments, pharmacology, and diet therapy related to obstetric clients and the newborn; and standard precautions.

**Credits: 1**

**PNSG 2310: Medical Surgical Nursing Clinical I**

This first clinical course, in a series of four medical-surgical clinical courses, focuses on clinical client care including using the nursing process, performing assessments, applying critical thinking, engaging in client education and displaying cultural competence across the life span and with attention to special populations. At the completion of the four part sequence of these medical-surgical clinical courses students will have completed a minimum of 375 hours of clinical experience including 300 hours of comprehensive medical-surgical, 37.5 pediatric and 37.5 mental health experiences. Topics include: health management and maintenance; prevention of illness; care of the individual as a whole; hygiene and personal care; mobility and biomechanics; fluid and electrolytes; oxygen care; perioperative care; immunology; mental health; and oncology. In addition pathological diseases, disorders and deviations from the normal state of health, client care, treatment, pharmacology, nutrition and standard precautions with regard to cardiovascular, hematological, immunological, respiratory, neurological, sensory, musculoskeletal, endocrine, gastrointestinal, urinary, integumentary and reproductive systems.

**Credits: 2**

**PNSG 2320: Medical Surgical Nursing Clinical II**

This second clinical course, in a series of four medical-surgical clinical courses, focuses on clinical client care including using the nursing process, performing assessments, applying critical thinking, engaging in client education and displaying cultural competence across the life span and with attention to special populations. At the completion of the four part sequence of these medical-surgical clinical courses students will have completed a minimum of 375 hours of clinical experience including 300 hours of comprehensive medical-surgical, 37.5 pediatric and 37.5 mental health experiences. Topics include: health management and maintenance; prevention of illness; care of the individual as a whole; hygiene and personal care; mobility and biomechanics; fluid and electrolytes; oxygen care; perioperative care; immunology; mental health; and oncology. In addition pathological diseases, disorders and deviations from the normal state of health, client care, treatment, pharmacology, nutrition and standard precautions with regard to cardiovascular, hematological, immunological, respiratory, neurological, sensory, musculoskeletal, endocrine, gastrointestinal, urinary, integumentary and reproductive systems.

**Credits: 2**

**PNSG 2330: Medical Surgical Nursing Clinical III**

This third clinical course, in a series of four medical-surgical clinical courses, focuses on clinical client care including using the nursing process, performing assessments, applying critical thinking, engaging in client education and displaying cultural competence across the life span and with attention to special populations. At the completion of the four part sequence of these medical-surgical clinical courses students will have completed a minimum of 375 hours of clinical experience including 300 hours of comprehensive medical-surgical, 37.5 pediatric and 37.5 mental health experiences. Topics include: health management and maintenance; prevention of illness; care of the individual as a whole; hygiene and personal care; mobility and biomechanics; fluid and electrolytes; oxygen care; perioperative care; immunology; mental health; and oncology. In addition pathological diseases, disorders and deviations from the normal state of health, client care, treatment, pharmacology, nutrition and standard precautions with regard to cardiovascular, hematological, immunological, respiratory, neurological, sensory, musculoskeletal, endocrine, gastrointestinal, urinary, integumentary and reproductive systems.

**Credits: 2**

**PNSG 2340: Medical Surgical Nursing Clinical IV**

This fourth clinical course, in a series of four medical-surgical clinical courses, focuses on clinical client care including using the nursing process, performing assessments, applying critical thinking, engaging in client education and displaying cultural competence across the life span and with attention to special populations. At the completion of the four part sequence of these medical-surgical clinical courses students will have completed a minimum of 375 hours of clinical experience including 300 hours of comprehensive medical-surgical, 37.5 pediatric and 37.5 mental health experiences. Topics include: health management and maintenance; prevention of illness; care of the individual as a whole; hygiene and personal care; mobility and biomechanics; fluid and electrolytes; oxygen care; perioperative care; immunology; mental health; and oncology. In addition pathological diseases, disorders and deviations from the normal state of health, client care, treatment, pharmacology, nutrition and standard precautions with regard to cardiovascular, hematological, immunological, respiratory, neurological, sensory, musculoskeletal, endocrine, gastrointestinal, urinary, integumentary and reproductive systems.

**Credits: 2**

**PNSG 2410: Nursing Leadership**

Builds on the concepts presented in prior nursing courses and develops the skills necessary for successful performance in the job market. Topics include: application of the nursing process, supervisory skills, client education methods, group dynamics and conflict resolution.

**Credits: 1**

**PNSG 2415: Nursing Leadership Clinical**

Builds on the concepts presented in prior nursing courses and develops the clinical skills necessary for successful performance in the job market, focusing on practical applications. Topics include: application of the nursing process, critical thinking, supervisory skills, client education methods, and group dynamics.

**Credits: 2**

## Psychology Courses

**PSYC 1010: Basic Psychology**

Presents basic concepts within the field of psychology and their application to everyday human behavior, thinking, and emotion. Emphasis is placed on students understanding basic psychological principles and their application within the context of family, work and social interactions. Topics include an overview of psychology as a science, the nervous and sensory systems, learning and memory, motivation and emotion, intelligence, lifespan development, personality, psychological disorders and their treatment, stress and health, and social relations.

**Credits: 3**



**PSYC 1101: Introductory Psychology**

Introduces the major fields of contemporary psychology. Emphasis is on fundamental principles of psychology as a science. Topics include research design, the organization and operation of the nervous system, sensation and perception, learning and memory, motivation and emotion, thinking and intelligence, lifespan development, personality, psychopathology and interventions, stress and health, and social psychology.

**Credits:** 3

## Radiologic Technology Courses

**RADT 1010: Introduction to Radiology**

Introduces a grouping of fundamental principles, practices, and issues common to many specializations in the health care profession. In addition to the essential skills, students explore various delivery systems and related issues. Provides the student with an overview of radiography and patient care. Students will be oriented to the radiographic profession as a whole. Emphasis will be placed on patient care with consideration of both physical and psychological conditions. Introduces a grouping of fundamental principles, practices, and issues common to many specializations in the health care profession. In addition to the essential skills, students explore various delivery systems and related issues. Topics include: ethics, medical and legal considerations, Right to Know Law, professionalism, basic principles of radiation protection, basic principles of exposure, equipment introduction, health care delivery systems, hospital and departmental organization, hospital and technical college affiliation, medical emergencies, pharmacology/contrast agents, media, OR and mobile procedures patient preparation, death and dying, body mechanics/transportation, basic life support/CPR, and patient care in radiologic sciences.

**Credits:** 4

**Prerequisites:**

Program Admission.

**RADT 1030: Radiographic Procedures I**

Introduces the knowledge required to perform radiologic procedures applicable to the human anatomy. Emphasis will be placed on the production of quality radiographs, and laboratory experience will demonstrate the application of theoretical principles and concepts. Topics include: introduction to radiographic procedures; positioning terminology; positioning considerations; procedures, anatomy, and topographical anatomy related to chest and abdomen cavities, bony thorax, upper extremities, shoulder girdle; and lower extremities.

**Credits:** 3

**Prerequisites:**

Program Admission.

**RADT 1060: Radiographic Procedures II**

Continues to develop the knowledge required to perform radiographic procedures. Topics include: anatomy and routine projections of the pelvic girdle; anatomy and routine projections of the spine, gastrointestinal (GI) procedures; genitourinary (GU) procedures; biliary system procedures.

**Credits:** 3

**Prerequisites:**

Program Admission.

**RADT 1065: Radiologic Science**

Content of this course is designed to establish a basic knowledge of atomic structure and terminology. Other topics include the nature and characteristics of x-radiation; ionizing and non-ionizing radiation; x-ray production; the properties of x-rays and the fundamentals of x-ray photon interaction with matter.

**Credits:** 2

**Prerequisites:**

Program Admission.

**RADT 1075: Radiographic Imaging**

The content of this course introduces factors that govern and influence the production of the radiographic image using analog and digital radiographic equipment found in diagnostic radiology. Emphasis will be placed on knowledge and techniques required to produce high quality diagnostic radiographic images. Topics include: Image quality (radiographic density; radiographic contrast; recorded detail; distortion; grids; image receptors and holders (analog and digital); processing considerations (analog and digital); image acquisition (analog, digital, and PACS); image analysis; image artifacts (analog and digital); Guidelines for selecting exposure factors and evaluating images within a digital system will assist students to bridge between film-based and digital imaging systems. Factors that impact image acquisition, display, archiving and retrieval are discussed. Laboratory experiences will demonstrate applications of theoretical principles and concepts.

**Credits:** 4

**Prerequisites:**

Program Admission.

**RADT 1085: Radiologic Equipment**

Content establishes a knowledge base in radiographic, fluoroscopic and mobile equipment requirements and design. The content also provides a basic knowledge of Automatic Exposure Control (AEC) devices, beam restriction, filtration, quality control, and quality management principles of analog and digital systems. Laboratory experiences will demonstrate applications of theoretical principles and concepts.

**Credits:** 3

**Prerequisites:**

Program Admission.

**RADT 1200: Principles of Radiation Biology & Protection**

Provides instruction on the principles of cell radiation interaction. Radiation effects on cells and factors affecting cell response are presented. Acute and chronic effects of radiation are discussed. Topics include: radiation detection and measurement; patient protection; personnel protection; absorbed dose equivalencies; agencies and regulations; introduction to radiation biology; cell anatomy, radiation/cell interaction; and effects of radiation.

**Credits:** 2

**Prerequisites:**

Program Admission.

**RADT 1320: Clinical Radiography I**

Introduces students to the hospital clinical setting and provides an opportunity for students to participate in or observe radiographic procedures. Topics include: orientation to hospital areas and procedures; orientation to mobile/surgery; orientation to radiography and fluoroscopy; participation in and/or observation of procedures related to body cavities, the shoulder girdle, and upper extremities. Activities of students are under direct supervision.

**Credits:** 4

**Prerequisites:**

Program Admission.

**RADT 1330: Clinical Radiography II**

Continues introductory student learning experiences in the hospital setting. Topics include: equipment utilization; exposure techniques; attend to and/or observation of routine projections of the lower extremities, pelvic girdle, and spine; attend to and/or observation of procedures related to the gastrointestinal (GI), genitourinary (GU), and biliary systems; and attend to and/or observation of procedure related to minor radiologic procedures. Execution of radiographic procedures will be conducted under direct and indirect supervision.

**Credits:** 7

**Prerequisites:**

Program Admission.

**RADT 2090: Radiographic Procedures III**

Continues to develop the knowledge required to perform radiographic procedures. Topics include: anatomy and routine projections of the cranium; anatomy and routine projections of the facial bones; anatomy and routine projections of the sinuses; special radiographic procedures, and pathological considerations of the cranium, facial bones, sinuses and special procedures.

**Credits:** 2

**Prerequisites:**

Program Admission.

**RADT 2201: Introduction to Computed Tomography**

Introduces the student to computed tomography and patient care in the CT suite. Topics include: the history of computed tomography, patient care and assessment, anatomy, contrast agents, radiation safety and protection, medical ethics and law, cultural diversity, and patient information management.

**Credits:** 2

**Prerequisites:**

Program Admission.

**Co-Requisites:**

RADT 2220

RADT 2250

**RADT 2210: CT Physics and Instrumentation**

Introduces the concepts of basic physics and instrumentation for computed tomography. Topics include: computer concepts, system operation and components, image processing and display, instrumentation, single slice and volume scanning, 3-D volume rendering, image quality and artifacts, radiation protection and quality control.

**Credits:** 5

**Prerequisites:**

Program Admission

**Co-Requisites:**

RADT 2230

RADT 2265

**RADT 2220: Computed Tomography Procedures I**

Provides knowledge CT procedures of the head, chest, abdomen, and pelvis. Topics include: anatomy, pathology, scanning procedures, scanning protocol, contrast administration, and contraindications for computed tomography.

**Credits:** 3

**Prerequisites:**

Program Admission.

**Co-Requisites:**

RADT 2201

RADT 2250

**RADT 2230: CT Procedures II**

Provides knowledge of anatomy, pathology, scanning protocols, contrast administration, and contraindications for computed tomography of the neck, spine, musculoskeletal system, and special procedures. Post-processing and quality assurance criteria are addressed. Topics include: anatomy, pathology, scanning protocol, contrast administration and contraindications, post processing and quality assurance.

**Credits:** 3

**Prerequisites:**

Program Admission.

**Co-Requisites:**

RADT 2210

RADT 2265

**RADT 2250: CT Clinical I**

Introduces students to the computed tomography department and provides an opportunity for participation in and observation of CT procedures. Students progress toward completion of clinical competency evaluations. Topics include: exam preparation, patient care, equipment utilization, exposure techniques, evaluation of CT procedures, and incorporation of contrast media.

**Credits:** 4

**Prerequisites:**

Program Admission.

**Co-Requisites:**

RADT 2201

RADT 2220

**RADT 2260: Radiologic Technology Review**

Provides a review of basic knowledge from previous courses and helps the student prepare for national certification examinations for radiographers. Topics include: image production and evaluation; radiographic procedures; anatomy, physiology, pathology, and terminology; equipment operation and quality control; radiation protection; and patient care and education.

**Credits:** 3

**Prerequisites:**

Program Admission.

**RADT 2265: CT Clinical II**

Provides students with continued computed tomography work experience. Students demonstrate increased proficiency levels in skills introduced in Computed Tomography Procedures and practiced in the previous clinical course. Students complete clinical competency evaluations. Topics include: exam preparation, patient care, equipment utilization, exposure techniques, evaluation of CT procedures, and incorporation of contrast media.

**Credits:** 4

**Prerequisites:**

Program Admission.

**Co-Requisites:**

RADT 2210

RADT 2230

### **RADT 2340: Clinical Radiography III**

Provides students with continued hospital setting work experience. Students continue to develop proficiency in executing procedures introduced in Radiographic Procedures. Topics include: patient care; behavioral and social competencies; performance and/or observation of minor special procedures, special equipment use, and participation in and/or observation of cranial and facial radiography. Execution of radiographic procedures will be conducted under direct and indirect supervision.

**Credits:** 6

**Prerequisites:**

Program Admission.

### **RADT 2360: Clinical Radiography IV**

Provides students with continued hospital setting work experience. Students demonstrate increased proficiency levels in skills introduced in all of the radiographic procedures courses and practiced in previous clinical radiography courses. Topics include: patient care; behavioral and social competency; advanced radiographic anatomy; equipment utilization; exposure techniques; sterile techniques; integration of procedures and/or observation of angiographic, interventional, minor special procedures; integration of procedures and/or observation of special equipment use; integration of procedures and/or observation of routine and special radiographic procedures; and final completion of all required clinical competencies. Execution of radiographic procedures will be conducted under direct and indirect supervision.

**Credits:** 9

**Prerequisites:**

Program Admission.

## Railroad Industry Courses

### **RRTC 1010: Introduction to the Railroad Industry**

Introduces the fundamental concepts and operations in the Railroad Industry. Topics include introduction to the rail industry, locomotive familiarization, EMD locomotives, GE locomotives, introduction to locomotive air brake systems, introduction to the Department of Transportation, and FRA rules overview.

**Credits:** 4

**Co-Requisites:**

IDFC 1007

### **RRTC 1020: Locomotive Electrical Systems**

Introduces a basic understanding of locomotive electrical systems and how to use blueprints and charts for reference.

**Credits:** 5

**Prerequisites:**

RRTC 1010

### **RRTC 1040: Locomotive Mechanical Systems**

Introduces the fundamental concepts and operations of locomotive mechanical systems.

**Credits:** 3

**Prerequisites:**

RRTC 1010

### **SCMA 1003: Introduction to Transportation & Logistics Management**

Businesses today cannot be competitive without a good transportation and logistics network. This course introduces the five basic forms of transportation and provides an understanding of the economic fundamentals underlying each mode. Students then discuss ways in which today's supply chain manager can use these transportation modes to achieve efficiencies and cost effectiveness necessary for a company to survive in today's global markets.

**Credits:** 3

### **SCMA 2103: Supply Chain Management Concepts**

Logistics and Supply Chain Management today represents a great challenge as well as a tremendous opportunity for most firms. This course will view the supply chain from the point of view of a front-line supervisor. Logistics and Supply Chain Management is all about managing hand-offs in a supply chain, hand-offs of either information or product. Phrases like logistics management, supply chain management and demand chain management will be used interchangeably in order to provide an understanding on how logistical decisions impact the performance of the firm as well as the entire supply chain.

**Credits:** 3

**Prerequisites:**

SCMA 1003

## Reading Courses

### **READ 0090: Learning Support Reading I**

No description available at this time.

**Credits:** 3

### **READ 0091: Learning Support Reading II**

**Credits:** 3

**Prerequisites:**

minimum COM1 score of 78 or minimum ACCR score of 063.

### **READ 0096: Reading I**

Emphasizes the strengthening of fundamental reading competencies. Topics include vocabulary skills, comprehension skills, and study skills.

**Credits:** 3

**Prerequisites:**

minimum ASRB score of 30 or minimum ASRC score of 30 or RDG 095 grade of S or higher or minimum COM1 score of 46.

**READ 0097: Reading II**

Emphasizes vocabulary, comprehension, and critical reading skills development. Topics include vocabulary skills, comprehension skills, critical reading skills, study skills, and content area reading skills.

**Credits:** 3

**Prerequisites:**

minimum ASRB score of 33 or minimum ASRC score of 33 or RDG 096 grade of S or higher or minimum COM1 score of 49.

**READ 0098: Reading III**

Provides instruction in vocabulary and comprehension skills with emphasis on critical reading skills. Topics include vocabulary skills, comprehension skills, critical reading skills, study skills, and content area reading skills.

**Credits:** 3

**Prerequisites:**

minimum ASRB score of 38 or minimum ASRC score of 38 or RDG 097 grade of S or higher or minimum COM1 score of 70.

## Respiratory Care Courses

**RESP 1110: Pharmacology**

Introduces the physiologic and pharmacological basis of pulmonary and cardiac medications. Focuses on the preparation and calculation of dosages and mixtures and general principles of pharmacology as they relate to the body systems. Topics include: drug preparation, dosage calculation, mixture preparation, pharmacology principles, delivery systems, respiratory drugs, and cardiopulmonary system related drugs.

**Credits:** 3

**Prerequisites:**

BIOL 2114  
BIOL 2114L  
MATH 1111

**RESP 1120: Introduction to Respiratory Therapy**

Provides students with an introduction and comprehensive survey of the respiratory care profession. Emphasizes the application of physics and chemistry as the foundation for specific modes of respiratory care principles employed in patient care, including indications, hazards, contraindications, evaluation of therapy, and patient assessment. Topics include: respiratory therapy chemistry and physics principles, patient assessment, medical gas therapy, humidity and aerosol therapy, hyperinflation therapy, bronchopulmonary hygiene, infection control practices, and hospital safety.

**Credits:** 3

**Prerequisites:**

BIOL 2114  
BIOL 2114L  
MATH 1111

**Co-Requisites:**

RESP 1130  
RESP 1193

**RESP 1130: Respiratory Therapy Lab I**

Provides students with the opportunity to gain hands-on experience with basic respiratory therapy equipment and simulated practice of basic respiratory care modalities. Topics include: patient assessment, medical gas therapy, humidity and aerosol therapy, hyperinflation therapy, airway clearance techniques, infection control procedures, and medical ethics.

**Credits:** 4

**Prerequisites:**

BIOL 2114  
BIOL 2114L  
MATH 1111

**Co-Requisites:**

RESP 1120  
RESP 1193

**RESP 1193: Cardiopulmonary a & P**

Provides an in-depth study of cardiac and pulmonary anatomy and physiology, and the diagnostic procedures commonly used in the hospital to evaluate these systems. Emphasizes the heart-lung relationship and clinical applications of these phenomena in the cardiopulmonary system. Topics include: respiratory function; ventilatory mechanisms; gas transport; laboratory analysis; natural and chemical regulation of breathing; circulation, blood flow and pressure, and cardiac function; renal physiology and related topics.

**Credits:** 4

**Prerequisites:**

BIOL 2114  
BIOL 2114L  
MATH 1111

**RESP 2090: Clinical Practice I**

Introduces students to clinical practice in basic respiratory care procedures. Topics include: introduction to clinical affiliate, medical gas therapy, oxygen therapy, aerosol therapy, incentive spirometry, inspiratory and expiratory PIP/PEP devices, patient assessment, and basic life support (BLS).

**Credits:** 2

**Co-Requisites:**

RESP 1110  
RESP 1193

**RESP 2100: Clinical Practice II**

Continues to develop skills used in the clinical practice. Topics include: medical gas therapy, oxygen therapy, aerosol therapy, incentive spirometry, and patient assessment.

**Credits:** 2

**Co-Requisites:**

RESP 2090  
RESP 1193

**RESP 2110: Pulmonary Disease**

Provides students with information concerning assessment of etiology, pathophysiology, treatment, and prognosis of common cardiopulmonary, cardiovascular, and pulmonary diseases and conditions. Topics include: infectious diseases and conditions, respiratory diseases and conditions, neuromuscular diseases and conditions, cardiovascular diseases and conditions, sleep apnea, patient assessment, laboratory tests, chest radiographs, and trauma.

**Credits:** 3

**Co-Requisites:**

RESP 1110  
RESP 1120  
RESP 1193

**RESP 2120: Critical Respiratory Care**

Provides students with knowledge on all phases of adult critical care and continuous mechanical ventilation. Topics include: mechanical ventilation history, principles of mechanical ventilation, continuous mechanical ventilation, ventilator implementation, ventilation monitoring, ventilator weaning, ventilator discontinuance and special techniques.

**Credits:** 2

**Prerequisites:**

RESP 1120  
RESP 1130

**RESP 2130: Mechanical Ventilation & Airway Management**

Provides instruction in the theory, set-up, operation, and maintenance of mechanical ventilators and equipment used to establish and maintain both adult and pediatric airways and emergency airway disorders. Topics include: ventilator operation, ventilator maintenance, emergency airway disorders, adult airway establishment and maintenance, pediatric airway establishment and maintenance, fiberoptic bronchoscopy, thoracentesis, chest tube maintenance, arterial blood gas sampling, and noninvasive positive pressure ventilation.

**Credits:** 4

**Prerequisites:**

RESP 1120  
RESP 1130

**Co-Requisites:**

RESP 2120  
RESP 1120  
RESP 1193

**RESP 2140: Advanced Critical Care Monitoring**

Provides a study of advanced critical care techniques for hemodynamic and noninvasive monitoring. Topics include: arterial pressure monitoring, central venous catheters, pulmonary artery catheters, cardiac output measurement, and noninvasive monitoring techniques.

**Credits:** 1

**Prerequisites:**

RESP 1120  
RESP 1130  
RESP 1193

**RESP 2150: Pulmonary Function Testing**

Provides knowledge regarding normal and abnormal pulmonary functions. Emphasizes performance, interpretation, and evaluation of various pulmonary function studies. Topics include: pulmonary function testing, pulmonary function interpretation, pulmonary function evaluation, blood gas analysis, and polysomnography.

**Credits:** 1

**Prerequisites:**

RESP 1193  
RESP 1130  
RESP 1193

**RESP 2160: Neonatal Pediatric Respiratory Care**

Provides concepts on the processes of growth and development related to respiratory care from the fetus to the adolescent. Relates physiologic function to respiratory care assessment. Topics include: fetal growth and development, neonatal growth and development, fetal assessment, neonatal assessment, neonatal respiratory care, neonatal pathology, pediatric pathology, pediatric respiratory care, adolescent assessment, and adolescent respiratory care.

**Credits:** 3

**Prerequisites:**

RESP 1120  
RESP 1130

**RESP 2170: Advanced Respiratory Care Seminar**

Review of respiratory therapy as it pertains to the national credential examinations administered by the NBRC. Emphasizes decision making and problem solving as they relate to clinical respiratory care. Topics include: medical ethics, basic computer literacy, CRTT exam preparation, and RRT exam preparation.

**Credits:** 3

**Prerequisites:**

RESP 2120  
RESP 2130

**RESP 2180: Clinical Practice III**

Continues development of proficiency levels in skills introduced in Clinical Practices I and II. In addition, intermittent positive pressure breathing, chest physiotherapy, and airway care are introduced. Case presentations are required to integrate clinical and classroom theory. Topics include: intermittent positive pressure breathing, chest physiotherapy, airway care, medical gas therapy, oxygen therapy, aerosol therapy, incentive spirometry, and patient assessment.

**Credits:** 2

**Prerequisites:**

RESP 2100

RESP 2130

**Co-Requisites:**

RESP 2100

RESP 1120

RESP 1193

**RESP 2190: Clinical Practice IV**

Continues development of proficiency levels in skills introduced in Clinical Practices I, II, and III. In addition, the student is introduced to critical respiratory care. Case presentations are required to integrate clinical and classroom theory. Topics include: intermittent positive pressure breathing, chest physiotherapy, airway care, medical gas therapy, oxygen therapy, aerosol therapy, incentive spirometry, patient assessment, and respiratory care of the critical care patient.

**Credits:** 2

**Prerequisites:**

RESP 2180

RESP 2130

**RESP 2200: Clinical Practice V**

Continues development of skills required in the intensive care of the respiratory patient. Case presentations are required to integrate clinical and classroom theory. Topics include: basic respiratory care of critical care patients, airway management, ventilator monitoring, arterial blood collection, blood gas analysis, and EKG.

**Credits:** 3

**Prerequisites:**

RESP 2180

RESP 2120

RESP 2130

RESP 2190

**RESP 2220: Clinical Practice Vi**

Provides students with an opportunity for in-depth application and reinforcement of adult intensive care. In addition, students are provided an opportunity for application and reinforcement of pediatric and neonatal intensive care, advanced diagnostics, and rehabilitation/home care. Topics include: mechanical ventilation initiation, patient stabilization, critical care monitoring, hemodynamic measurement, hemodynamic evaluation, bronchial hygiene, weaning mechanics, extubation, arterial line sampling, advanced diagnostics, pediatric/neonatal respiratory care, and rehabilitation/home care.

**Credits:** 7

**Prerequisites:**

RESP 2190

RESP 2120

RESP 2130

RESP 2190

**RESP 2270: Rehabilitation and Home Care**

Provides an overview of the concepts, procedures, and equipment used in rehabilitation and in the delivery of long-term care to persons with chronic pulmonary disorders. Topics include: cardiopulmonary rehabilitation/home care concepts, cardiopulmonary rehabilitation/home care procedures, and cardiopulmonary rehabilitation/home care equipment.

**Credits:** 1

**Prerequisites:**

RESP 1120

RESP 2120

RESP 2130

RESP 2190

## Sociology Courses

**SOCI 1101: Introduction to Sociology**

Explores the sociological analysis of society, its culture, and structure. Sociology is presented as a science with emphasis placed on its methodology and theoretical foundations. Topics include basic sociological concepts, socialization, social interaction and culture, social groups and institutions, deviance and social control, social stratification, social change, and marriage and family.

**Credits:** 3

## Spanish Courses

### **SPAN 1101: Introduction to Spanish**

A beginner's introduction to the Spanish language and culture. This course stresses the student's ability to acquire a non-native language and to communicate effectively in the target Spanish language. Emphasis is placed on reading, writing, and speaking the language. An overview of Hispanic society is also emphasized, highlighting the differences between American and Hispanic cultures. Not open to native speakers of Spanish.

**Credits:** 3

#### **Prerequisites:**

Minimum NextGen ACCUPLACER Reading score of 236 and minimum NextGen ACCUPLACER Sentence Skills (Writing) of 249.

## Speech Courses

### **SPCH 1101: Public Speaking**

Introduces the student to the fundamentals of oral communication. Topics include selection and organization of materials, preparation and delivery of individual and group presentations, analysis of ideas presented by others, and professionalism.

**Credits:** 3

#### **Prerequisites:**

minimum NextGen ACCUPLACER Reading score of 236 and minimum NextGen ACCUPLACER Sentence Skills (Writing) of 249.

## Surgical Technology Courses

### **SURG 1010: Introduction to Surgical Technology**

Provides an overview of the surgical technology profession and develops the fundamental concepts and principles necessary to successfully participate on a surgical team. Topics include: introduction to preoperative, intraoperative and postoperative principles of surgical technology; assistant circulator role, professionalism as well as health care facility information. ((There are surgical procedures that are similar as far as procedural steps, instrumentation, supplies, patient position, etc. This is referred to as the "Co-Related Procedures Concept." The purpose of using the Co-Related Procedures Concept is to provide the instructor additional time to teach surgical procedures as well as avoid repetition.))

**Credits:** 8

### **SURG 1020: Principles of Surgical Technology**

Provides continued study of surgical team participation by wound management and technological sciences for the operating room. Topics include: technological sciences; patient care concepts; preoperative, intraoperative and postoperative surgical technology; and perioperative case management. ((There are surgical procedures that are similar as far as procedural steps, instrumentation, supplies, patient position, etc. This is referred to as the "Co-Related Procedures Concept." The purpose of using the Co-Related Procedures Concept is to provide the instructor additional time to teach surgical procedures as well as avoid repetition.))

**Credits:** 7

### **SURG 1080: Surgical Microbiology**

Introduces the fundamentals of surgical microbiology. Topics include: cell structure; introduction to microbiology; microorganisms; process of infection; hypersensitivity; fluid movement concepts; and immunologic defense mechanisms.

**Credits:** 2

### **SURG 1100: Surgical Pharmacology**

Introduces the concepts of pharmacology and anesthesia. Topics include: terminology; medication measurement; medications used in surgery; care and handling of medications and solutions; and anesthesia.

**Credits:** 2



**SURG 2030: Surgical Procedures****I**

Introduces the surgical specialties to include General Surgery, Obstetric and Gynecologic Surgery, Genitourinary Surgery, Otorhinolaryngologic Surgery, and Orthopedic Surgery. Topics for each surgical specialty will include Anatomy and Physiology, Pathophysiology, Diagnostic Interventions, and the Surgical Procedure.

**Credits: 4****SURG 2040: Surgical Procedures****II**

Introduces the surgical specialties to include Oral and Maxillofacial Surgery, Plastic and Reconstructive Surgery, Ophthalmic (Eye) Surgery, Cardiothoracic Surgery, Peripheral Vascular Surgery and Neurosurgery. Topics for each surgical specialty will include Anatomy and Physiology, Pathophysiology, Diagnostic Interventions, and the Surgical Procedure.

**Credits: 4****SURG 2110: Surgical Technology  
Clinical I**

Orients students to the clinical environment and provides experience with basic skills necessary to the surgical technologist. Topics include, but are not limited to: scrubbing, gowning, gloving, and draping; assistance with patient care; processing of instruments and supplies; maintenance of a sterile field; and environmental sanitation. In addition, introduces the development of surgical team participation through clinical experience. Emphasis is placed on observation and/or participation in routine procedures for core and specialty surgery. Topics include: general surgery (to include gastrointestinal), cardiothoracic surgery, otorhinolaryngologic surgery (ENT), ophthalmic surgery (Eye), genitourinary surgery, neurological surgery, obstetrical and gynecological surgery, oral and maxillofacial surgery, orthopedic surgery, peripheral vascular surgery, plastic and reconstructive surgery, and procurement/transplant surgery. The total number of cases the student must complete is 120. Students are required to complete 30 cases in the General Surgery specialty. Twenty of the cases must be in the First Scrub Role. Students are required to complete 90 cases in various surgical specialties. Sixty of the cases must be in the First Scrub Role and evenly distributed between a minimum of 5 surgical specialties. However, 15 is the maximum number of cases that can be counted in any one surgical specialty. Diagnostic endoscopy cases and vaginal delivery cases are not mandatory, but up to 10 diagnostic endoscopic cases and 5 vaginal delivery cases can be counted toward the maximum number of Second Scrub Role cases. Cases that are in the Observation role

must be documented but do not count towards the minimum of 120 total cases

**Credits: 3**

**SURG 2120: Surg Tech Clinical II**

Orients students to the clinical environment and provides experience with basic skills necessary to the surgical technologist. Topics include, but are not limited to: scrubbing, gowning, gloving, and draping; assistance with patient care; processing of instruments and supplies; maintenance of a sterile field; and environmental sanitation. In addition, introduces the development of surgical team participation through clinical experience. Emphasis is placed on observation and/or participation in routine procedures for core and specialty surgery. Topics include: general surgery (to include gastrointestinal), cardiothoracic surgery, otorhinolaryngologic surgery (ENT), ophthalmic surgery (Eye), genitourinary surgery, neurological surgery, obstetrical and gynecological surgery, oral and maxillofacial surgery, orthopedic surgery, peripheral vascular surgery, plastic and reconstructive surgery, and procurement/transplant surgery. The total number of cases the student must complete is 120. Students are required to complete 30 cases in the General Surgery specialty. Twenty of the cases must be in the First Scrub Role. Students are required to complete 90 cases in various surgical specialties. Sixty of the cases must be in the First Scrub Role and evenly distributed between a minimum of 5 surgical specialties. However, 15 is the maximum number of cases that can be counted in any one surgical specialty. Diagnostic endoscopy cases and vaginal delivery cases are not mandatory, but up to 10 diagnostic endoscopic cases and 5 vaginal delivery cases can be counted toward the maximum number of Second Scrub Role cases. Cases that are in the Observation role

must be documented but do not count towards the minimum of 120 total cases.

**Credits:** 3

**SURG 2130: Surg Tech Clinical III**

Orients students to the clinical environment and provides experience with basic skills necessary to the surgical technologist. Topics include, but are not limited to: scrubbing, gowning, gloving, and draping; assistance with patient care; processing of instruments and supplies; maintenance of a sterile field; and environmental sanitation. In addition, introduces the development of surgical team participation through clinical experience. Emphasis is placed on observation and/or participation in routine procedures for core and specialty surgery. Topics include: general surgery (to include gastrointestinal), cardiothoracic surgery, otorhinolaryngologic surgery (ENT), ophthalmic surgery (Eye), genitourinary surgery, neurological surgery, obstetrical and gynecological surgery, oral and maxillofacial surgery, orthopedic surgery, peripheral vascular surgery, plastic and reconstructive surgery, and procurement/transplant surgery. The total number of cases the student must complete is 120. Students are required to complete 30 cases in the General Surgery specialty. Twenty of the cases must be in the First Scrub Role. Students are required to complete 90 cases in various surgical specialties. Sixty of the cases must be in the First Scrub Role and evenly distributed between a minimum of 5 surgical specialties. However, 15 is the maximum number of cases that can be counted in any one surgical specialty. Diagnostic endoscopy cases and vaginal delivery cases are not mandatory, but up to 10 diagnostic endoscopic cases and 5 vaginal delivery cases can be counted toward the maximum number of Second Scrub Role cases. Cases that are in the Observation role

must be documented but do not count towards the minimum of 120 total cases.

**Credits:** 3

#### **SURG 2140: Surg Tech Clinical IV**

Orients students to the clinical environment and provides experience with basic skills necessary to the surgical technologist. Topics include, but are not limited to: scrubbing, gowning, gloving, and draping; assistance with patient care; processing of instruments and supplies; maintenance of a sterile field; and environmental sanitation. In addition, introduces the development of surgical team participation through clinical experience. Emphasis is placed on observation and/or participation in routine procedures for core and specialty surgery. Topics include: general surgery (to include gastrointestinal), cardiothoracic surgery, otorhinolaryngologic surgery (ENT), ophthalmic surgery (Eye), genitourinary surgery, neurological surgery, obstetrical and gynecological surgery, oral and maxillofacial surgery, orthopedic surgery, peripheral vascular surgery, plastic and reconstructive surgery, and procurement/transplant surgery. The total number of cases the student must complete is 120. Students are required to complete 30 cases in the General Surgery specialty. Twenty of the cases must be in the First Scrub Role. Students are required to complete 90 cases in various surgical specialties. Sixty of the cases must be in the First Scrub Role and evenly distributed between a minimum of 5 surgical specialties. However, 15 is the maximum number of cases that can be counted in any one surgical specialty. Diagnostic endoscopy cases and vaginal delivery cases are not mandatory, but up to 10 diagnostic endoscopic cases and 5 vaginal delivery cases can be counted toward the maximum number of Second Scrub Role cases. Cases that are in the Observation role

must be documented but do not count towards the minimum of 120 total cases.

**Credits:** 3

#### **SURG 2240: Seminar in Surgical Technology**

Prepares students for entry into careers as surgical technologists and enables them to effectively prepare for the national certification examination. Topics include: employability skills and professional preparation.

**Credits:** 2

## Theater Appreciation Courses

#### **THEA 1101: Theater Appreciation**

Explores history, aesthetics, and craft of the theatrical experience on stage, emphasizing the role of the audience as well as that of the artist. Critical views of theatrical performances are examined alongside scripts. Emphasis is placed on the students' understanding of foundational elements, principles, and theories of dramatic art, including classical and contemporary varieties. The performance components of this course enables students to appreciate the process by which theatre is realized and the creative and cultural significance of theatre as a basic human endeavor.

**Credits:** 3

# Welding Courses

## **WELD 1000: Introduction to Welding Technology**

This course provides an introduction to welding technology with an emphasis on basic welding laboratory principles and operating procedures. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, Oxyacetylene welding and Welding Career potentials.

**Credits:** 4

## **WELD 1010: Oxyfuel and Plasma Cutting**

Introduces fundamental principles, safety practices, equipment, and techniques necessary for metal heating and oxyfuel cutting, and Plasma heating and cutting techniques. Topics include: metal heating and cutting techniques, metal heating and cutting techniques, manual and automatic oxyfuel cutting techniques, and oxyfuel pipe cutting, plasma torch and theory, plasma machine set up and operation and plasma cutting techniques.

**Credits:** 4

### **Co-Requisites:**

WELD 1000  
RESP 1120  
RESP 1193

## **WELD 1030: Blueprint Reading for Welding Technology**

This course introduces the knowledge and skills necessary for reading welding and related blueprints and sketches. An emphasis is placed on identifying types of welds, and the associated abbreviations and symbols.

**Credits:** 4

### **Co-Requisites:**

WELD 1000  
RESP 1120  
RESP 1193

## **WELD 1040: Flat Shielded Metal Arc Welding**

This course introduces the major theory, safety practices, and techniques required for shielded metal arc welding (SMAW) in flat positions. Qualification tests, flat position, are used in the evaluation of student progress toward making industrial welds.

**Credits:** 4

### **Co-Requisites:**

WELD 1000  
RESP 1120  
RESP 1193

## **WELD 1050: Horizontal Shielded Metal Arc Welding**

Introduces the major theory, safety practices, and techniques required for shielded metal arc welding (SMAW) in the horizontal position. Qualification tests, horizontal position, are used in the evaluation of student progress toward making industrial standard welds. Topics include: horizontal SMAW safety and health practices, selection and applications of electrodes, selection and applications for horizontal SMAW, horizontal SMAW joints, and horizontal SMAW to specification.

**Credits:** 4

### **Prerequisites:**

WELD 1000  
RESP 2120  
RESP 2130  
RESP 2190

## **WELD 1060: Vertical Shielded Metal Arc Welding**

Introduces the major theory, safety practices, and techniques required for shielded metal arc welding (SMAW) in the vertical position. Qualification tests, vertical position, are used in the evaluation of student progress toward making industrial standard welds. Topics include: vertical SMAW safety and health practices, selection and applications of electrodes for vertical SMAW, vertical SMAW joints, and vertical SMAW to specification.

**Credits:** 4

### **Prerequisites:**

WELD 1000  
RESP 2120  
RESP 2130  
RESP 2190

### **Co-Requisites:**

WELD 1040  
WELD 1050

## **WELD 1070: Overhead Shield Metal Arc Welding**

Introduces the major theory, safety practices, and techniques required for shielded metal arc welding (SMAW) in the overhead position. Qualification tests, overhead position, are used in the evaluation of student progress toward making industrial standard welds. Topics include: overhead SMAW safety and health practices, selection and applications of electrodes for overhead SMAW, overhead SMAW joints, and overhead SMAW to specification.

**Credits:** 4

### **Prerequisites:**

WELD 1000  
RESP 2120  
RESP 2130  
RESP 2190

**WELD 1090: Gas Metal Arc Welding**

Provides knowledge of theory, safety practices, equipment and techniques required for successful gas metal arc welding. Qualification tests, all positions, are used in the evaluation of student progress toward making industrial standard welds. Topics include: GMAW safety and health practices; GMAW theory, machines, and set up; transfer modes; wire selection; shielded gas selection; and GMAW joints in all positions.

**Credits:** 4

**Co-Requisites:**

WELD 1000  
WELD 1050

**WELD 1110: Gas Tungsten Arc Welding**

Provides knowledge of theory, safety practices, inert gas, equipment, and techniques required for successful gas tungsten arc welding. Qualification tests, all positions, are used in the evaluating of student progress toward making industrial standard welds. Topics include: GTAW safety and health practices; shielding gases; metal cleaning procedures; GTAW machines and set up; selection of filler rods; GTAW weld positions; and production of GTAW beads, bead patterns, and joints.

**Credits:** 4

**Prerequisites:**

WELD 1000  
RESP 2120  
RESP 2130  
RESP 2190

**WELD 1120: Preparation for Industrial Qualification**

Introduces industrial qualification methods, procedures, and requirements. Students are prepared to meet the qualification criteria of selected national welding codes and standards. Topics include: test methods and procedures, national industrial codes and standards, fillet and groove weld specimens, and preparation for qualifications and job entry.

**Credits:** 4

**Prerequisites:**

WELD 1000  
RESP 2120  
RESP 2130  
RESP 2190

**WELD 1150: Advanced Gas Tungsten Arc Welding**

Provides knowledge of theory, safety practices, inert gas, equipment, and techniques required for successful advanced gas tungsten arc welding (GTAW). Qualification tests, all positions, are used in the evaluation of student progress toward making advanced level industrial standard welds. Topics include: GTAW safety and health practices; shielding gases; metal cleaning procedures; GTAW machines and equipment set up; selection of filler rods; GTAW weld positions; and advanced production of GTAW beads, bead patterns, and joints.

**Credits:** 3

**Prerequisites:**

WELD 1000  
RESP 2120  
RESP 2130  
RESP 2190

**WELD 1151: Fabrication Processes**

Presents practices common in the welding and metal fabrication industry. Topics include: metal fabrication safety and health practices and metal fabrication procedures.

**Credits:** 3

**Prerequisites:**

WELD 1030  
RESP 2120  
RESP 2130  
RESP 2190

**WELD 1152: Pipe Welding**

Provides the opportunity to apply skills to pipe welding operations. Topics include: pipe welding safety and health practices, pipe welding nomenclature, pipe layout and preparation, pipe joint assembly, horizontal welds on pipe (2G), vertical welds on pipe (5G), and welds on 45 degree angle pipe (6G).

**Credits:** 4

**WELD 1153: Flux Cored Arc Welding**

Provides knowledge of theory, safety practices, equipment, and techniques required for successful flux cored arc welding (FCAW). Qualification tests, all positions, are used in the evaluation of student progress toward making industrial standards welds. Topics include: FCAW safety and health practices, FCAW theory, machine set up and operation, shielded gas selection, and FCAW joints in all positions.

**Credits:** 4

**Prerequisites:**

WELD 1000.

## World Religion Courses

### **RELG 1101: World Religion**

Introduction to World Religions is a survey course of the history, practice, and modern relevance of the world's religious traditions. Through the study of religion and its influence on history and culture, greater insight and understanding of diverse populations can be attained. Topics include an overview of significant religious traditions from around the world, critical analysis of the relationships between religions and artistic traditions, and critical analysis of the influence of religion on culture, politics, and history.

**Credits:** 3

**Prerequisites:**

ENGL 1101.