

## General Information

### LAST UPDATED:

Jun 1 2014

### DCCC Accreditation

DCCC is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Davidson County Community College.

### Membership and Affiliations:

Achieving the Dream  
American Association of Community Colleges  
Completion By Design  
North Carolina Association of Colleges and Universities

Davidson County Community College is committed to equality of opportunity and does not discriminate on the basis of race, color, religion, gender, age, disability, or national origin consistent with provisions of applicable state and federal law.

### A Message from our President



Welcome to DCCC!

We're Dedicated to Your Journey and Your Success

Thank you for looking to DCCC, the College of Davidson and Davie Counties, for meeting your educational and career goals. We offer top-quality academic programs and services that can open doors of opportunity for your future. We have campuses in Davidson and Davie Counties as well as educational centers in Lexington, Thomasville and Advance.

Your academic and career success within a changing global economy is very important to everyone on our campus, including our faculty, staff and board of trustees. You'll soon learn that Storm Toward Success is not just a motto. It's a creed we live by. Everything we do and every decision we make is about ensuring your success.

When you enter our doors, you become a member of the DCCC family. For more than 50 years, we've been helping students like you. Our values are very important and reflect DCCC's culture of performance and excellence:

- **Community.** We care for our students, each other and the people we serve.
- **Responsibility.** We teach, model and cultivate an attitude of self-direction.
- **Change.** We embrace collaboration, adaptability, creativity, innovation and risk-taking
- **Excellence.** We excel in our programs and services.
- **Trust.** We embody honesty, integrity, openness, equity, inclusion and respect.
- **Passion.** We pursue our mission with purpose, joy and fun.

We hope you're ready for an experience of a lifetime – one that will allow you to engage with new technologies, learn both inside and outside the classroom, meet new people who share your interests, test your leadership skills and send you on your way to becoming all that you can be.

Whether you plan to transfer to a four-year college or university or put your degree, diploma or certificate to immediate use in the world of work, your future begins now. From this day forward, proudly think of yourself among DCCC's alumni. Make the most of each moment you're with us. DCCC is YOUR COLLEGE, and we welcome you.

Sincerely,



Mary E. Rittling, Ed. D.  
DCCC President

**Source URL:** <https://www.davidsonccc.edu/catalog/general-information>

## **Academic Calendar 2013-2014**

### **LAST UPDATED:**

Jun 1 2014

The academic calendar is subject to change. Please refer to the College website at <https://davidsonccc.edu/academic-calendar> for updates.

### **2013 Fall Semester**

Last registration for Fall 2013 full semester & first session courses:

August 12.....Monday

Fall 2013 Saturday classes begin

August 17.....Saturday

Fall semester classes (full session & first session) begin

August 19.....Monday

Last day for 75% refund for first session courses

August 22.....Thursday

Last day for 75% refund for full semester courses

August 29.....Thursday

Labor Day holiday; College closed

September 2.....Monday

Last day to drop a first session course with a grade of "W"

September 30 Monday

Last day for first session classes

October 11.....Friday

Last day to register for second session courses

October 14.....Monday

Fall break; no day or evening curriculum classes

October 14-20.....Monday-Sunday

Last day to apply for December graduation

October 15.....Tuesday

Second session day and evening classes begin

October 21.....Monday

Last day for 75% refund for second session courses

October 24.....Thursday

Last day to drop a full semester course with a grade of "W"

November 18.....Monday

Last day and evening of curriculum classes before Thanksgiving:

November 27

Thanksgiving break; College closed

November 28-December 1.....Thursday-Sunday

Last day to drop a second session course with a grade of "W"

December 3.....Tuesday

Last day for Saturday courses

December 14.....Saturday

Final exams for day classes having final examinations  
December 16-19.....Monday-Thursday

6.1.14

Holiday break; no day or evening classes  
Saturday, December 21.....Monday, January 6

Christmas holidays; College closed  
Tuesday, December 24.....Friday, December 27

## **2014 Spring Semester**

New Year's holiday; College closed  
Wednesday, January 1

Faculty Annual Leave  
Thursday January 2 through Friday January 3

Curriculum faculty report  
Monday, January 6

Last registration for full semester courses and first and second 8-week session courses  
Monday, January 6

Faculty professional days: advising, registration, planning, professional development, preparation meetings, orientation, etc.  
Monday through Friday, January 6, 7, 8, 9, 10

Saturday classes begin  
Saturday, January 11

Full semester and first 8-week session classes begin  
Monday, January 13

Last day for 75% refund for first 8-week session courses or declare audit  
Thursday, January 16

Martin Luther King, Jr. holiday; College closed  
Monday, January 20

Last day for 75% refund for full semester courses or declare audit  
Thursday, January 23

Emergency Services College  
Friday, February 21 through Sunday, February 23

Last day to drop a first 8-week session course with a grade of W  
Monday, February 24

Last day to apply for May graduation  
Saturday, March 1

Last day for first 8-week session courses  
Friday, March 7

Last day to register for second 8-week session courses  
Monday, March 10

Spring break; no day or evening curriculum classes  
Monday, March 10 through Sunday, March 16

Faculty Report Days  
Monday, March 10 through Tuesday, March 11

Faculty Annual Leave  
Wednesday March 12 Through Friday March 14

Second 8-week session day and evening classes begin  
Monday, March 17

Last day for 75% refund for second 8-week session courses or declare an audit  
Thursday, March 20

Last day to drop a full semester course with a grade of W  
Monday April 14

Last day and evening of classes before Easter holiday  
Thursday, April 17

Easter holiday; College closed  
Friday, April 18 through Sunday, April 20

6.1.14

Last day to drop a second 8-week session course with a grade of W  
Monday, April 28

Final exams for day curriculum classes  
Monday, May 12 – Thursday, May 15

Faculty professional day  
Friday, May 16

Commencement  
Saturday, May 17

Ten-month faculty professional days  
May 19, 20, 21, 22

Ten-Month Faculty Report  
May 23

Memorial Day holiday; College closed  
Monday, May 26

Ten-month Faculty Report  
May 27, 28, 29, 30

### **2014 Summer Session**

Basic Skills Commencement  
Wednesday, May 21

Memorial Day Holiday, College Closed  
Monday, May 26

Last registration for Summer 2014 & advisement for Fall 2014  
Tuesday, May 27

Last day to apply for July Graduation  
Sunday, June 1

Summer Curriculum classes begin  
Monday, June 2

Last day for 75% refund for Summer 2014 courses  
Thursday, June 5

Independence Day holiday, College Closed  
Friday, July 4

Last day to drop a course with a grade of "W"  
Monday, July 14

Last day of classes  
Friday, July 25

**Source URL:** <https://www.davidsonccc.edu/catalog/general-information/academic-calendar-2013-2014>

## **Academic Calendar 2014-2015**

### **LAST UPDATED:**

Jun 1 2014

<b>2014 Fall Semester</b>	
August 1	Ten-month curriculum faculty report
August 4,5,6,7	Faculty professional days (ten-month faculty): advising, registration, planning, professional development, preparation, meetings, orientation, etc.
August 8	Ten-month faculty report day
August 11	Nine-month curriculum faculty report
August 11, 12, 13	Faculty professional days (nine/ten-month faculty): advising, registration, planning, professional development, preparation, meetings, orientation, etc.
August 12	Last registration for full semester and first 8-week session
August 14 & 15	Faculty Report Days
August 16	Fall 2014 Saturday classes begin
August 18	Fall semester classes (full session and first 8-week sessions) begin
August 21	Last day for 75% refund for first 8-week session courses or declare an audit
August 28	Last day for 75% refund for full semester courses or declare an audit
August 29	Last day of classes before Labor Day
August 30 – September 1	Labor Day break; no classes
September 1	Labor Day holiday; College closed
September 29	Last day to drop a first 8-week session course with a grade of W
October 1	Last day to apply for December graduation
October 10	Last day for first 8-week session classes
October 14	Last day to register for second 8-week session courses
October 13-19	Fall break, no curriculum classes
October 13-14	Faculty Professional Days
October 15-17	Faculty Annual Leave
October 20	Second 8-week session day and evening classes begin
October 23	Last day for 75% refund for second 8-week session courses or declare an audit
November 17	Last day to drop a full semester course with a grade of W
November 26	Last day and evening of curriculum classes before Thanksgiving
November 27-30	Thanksgiving break; no day or evening classes
November 27 & 28	Thanksgiving holidays; College closed
December 2	Last day to drop a second 8-week session course with a grade of W

December 12	Last day of classes for day courses having final examinations
December 13	Last day for Saturday courses
December 15-18	Final exams for day classes having final examinations
December 19	Faculty professional days
December 22, 23,29,30,31	Faculty Annual Leave
December 20 - January 4	Holiday break; no day or evening classes; faculty do not report
December 24 - December 26	Christmas holidays; College closed
December 29-31	Staff annual leave days (optional)

## 2015 Spring Semester

January 1-2	New Year's holiday; College closed
January 5	Curriculum faculty report
January 5-9	Faculty professional days: advising, registration, planning, professional development, preparation meetings, orientation, etc.
January 6	Last registration for full semester courses and first and second 8-week session courses
January 10	Saturday classes begin
January 12	Full semester and first 8-week session classes begin
January 15	Last day for 75% refund for first 8-week session courses or declare audit
January 19	Martin Luther King, Jr. holiday; College closed
January 22	Last day for 75% refund for full semester courses or declare audit
February 13-15	Emergency Services College
February 23	Last day to drop a first 8-week session course with a grade of W
March 1	Last day to apply for May graduation
March 6	Last day for first 8-week session courses
March 9-15	Spring break; no day or evening curriculum classes
March 9-10	Faculty Report Days
March 10	Last day to register for second 8-week session courses
March 11-13	Faculty Annual Leave
March 16	Second 8-week session day and evening classes begin
March 19	Last day for 75% refund for second 8-week session courses or declare an audit
April 2	Last day and evening of classes before Easter holiday
April 3-5	Easter holiday; College closed
April 13	Last day to drop a full semester course with a grade of W
April 27	Last day to drop a second 8-week session course with a grade of W
May 8	Last day of classes for day courses having final exams
May 11-14	Final exams for day curriculum classes
May 15	Faculty professional day
May 16	Commencement
May 18-21	Ten-month faculty professional days
May 22	Ten-month faculty report day

May 25	Memorial Day holiday; College closed	
May 26-29	Ten-month Faculty Report	6.1.14
<b>2015 Summer Session</b>		
May 25	Memorial Day holiday; College closed	
May 26	Last registration for Summer 2014 and advisement for Fall 2015	
June 1	Summer curriculum classes begin	
June 1	Last day to apply for Summer graduation	
June 4	Last day for 75% refund for Summer 2014 classes or declare an audit	
July 3	Independence Day holiday; College closed	
July 13	Last day to drop a course with a grade of W	
July 24	Last day of classes	

**Source URL:** <https://www.davidsonccc.edu/catalog/general-information/academic-calendar-2014-2015>



## **Mission, Values, and Vision of the College**

### **LAST UPDATED:**

Jun 1 2014

### **Mission**

Davidson County Community College develops minds, inspires imaginations, and prepares students for enhanced career and educational opportunities within a changing global environment.

### **Values**

**Community** – caring about our students, each other, and the people we serve and responding to their needs

**Responsibility** – teaching, modeling, and cultivating an attitude of self-direction for our students and ourselves

**Change** – embracing collaboration, adaptability, creativity, innovation, and risk-taking

**Excellence** – committing to excellence in the programs and services we offer

**Trust** – embodying honesty, integrity, openness, equity, inclusion, and respect for all

**Passion** – pursuing our mission with purpose, joy, and fun

### **Strategic Vision**

#### **The College is a strong and effective organization capable of addressing emerging needs:**

- Mutual trust pervades the campus climate.
- A positive organizational climate is maintained through intentional selection and development of faculty and staff.
- Learning, growth, and improvement are encouraged and nurtured as we adapt to change in a global environment.
- Students, faculty, and staff assume responsibility for their own future.

#### **Programs and services help build, rebuild, and move the community forward.**

- Programs and services stress learning outcomes.
- Learning outcomes of programs and services prepare students for enhanced employment and educational opportunities.
- The College continues to lead and partner in community and economic recovery, growth, and development.
- International connections help expand student, faculty, and staff concepts of the changing world and our role in it.

#### **The College's primary focus is teaching and learning:**

- Excellent programs and services meet the needs of individuals and organizations.
- Faculty and staff model and inspire a passion for learning.
- Core competencies for lifelong learning are integrated into programs and services.
- Green and sustainable practices protect our natural resources and model best practices for the local community.

*Reaffirmed by the DCCC Board of Trustees, July 10, 2012*

## **History of the College**

### **LAST UPDATED:**

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Davidson County Community College was initially chartered in 1958 as an Industrial Education Center (IEC). Like other industrial education centers chartered in the 1950s and consolidated under the Community College Act of 1963, this center was designed to equip adults with the skills needed to move from an agricultural to a manufacturing-based economy. When the William E. Sinclair Building opened on a 22-acre site in 1963, the Davidson County IEC enrolled 125 students in vocational and technical programs and 51 students in adult education and service programs.

In 1965, the institution was chartered as Davidson County Community College (DCCC). The Associate in Arts and Associate in Science degrees were added to the existing Associate in Applied Science degree, diploma, and certificate offerings.

The Davidson Campus has 13 buildings and two emergency services training facilities on approximately 97 acres. This includes recent additions of a Technology and Conference Center, a Transportation Technology Center, and a bookstore.

The Davie Campus opened in the spring of 1994 at 1205 Salisbury Road in Mocksville with support from Davie County, the Town of Mocksville, business and industry, and citizens.

The campus consists of 45 acres, three classroom and lab buildings, and an emergency services training facility.

The Davie Campus achieved multi-campus status by the state in 2004. A major expansion project in 2008 added 8,500 square feet of new space to the Laboratory Building. The first floor of the Community Building was renovated to include a state-of-the-art library and Internet cafe.

Due to support from many community partners, DCCC opened three satellite education centers in 2004, 2005, and 2008. The Uptown Lexington Education Center at 20 East First Street opened its doors in May 2004, with the Thomasville Education Center first offering courses in June 2005 at 305 Randolph Street. The Davie Education Center opened in April 2008, located in Advance.

Today, DCCC continues to grow, including the addition of state-of-the-art classrooms and new Macintosh-based computer, advanced manufacturing, and automotive labs. DCCC serves approximately 16,000 students each year and has more than 50 curriculum programs.

**Source URL:** <https://www.davidsonccc.edu/catalog/general-information/history-college>

## **Admissions, Enrollment & Financial Aid**

### **LAST UPDATED:**

Jun 1 2014

### **Student Success Center**

The Student Success Center is located in the B.E. Mendenhall Jr., Building. The Center represents Davidson County Community College's commitment to student success and degree or credential completion. Several important offices that offer significant support for students are located within or close by the Student Success Center.

The College has sought to integrate and conveniently locate services for efficiency and ease of student access.

The Student Success Center includes the following offices: Enrollment, Financial Aid, Student Records, Career Development, and Academic Advising.

**Source URL:** <https://www.davidsonccc.edu/catalog/admissions-enrollment-financial-aid>

## **Admissions**

### **LAST UPDATED:**

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### **All Curriculum Programs**

Any person who is at least 18 years of age and is able to benefit from a program at the College may be admitted as a curriculum student or a special credit student. Admission to a specific course of study is based upon criteria developed to help the student determine his/her chances for success in that course of study. These criteria are followed to prevent loss of student time and effort as a result of unsatisfactory achievement. The College uses academic skills assessments, academic records, and/or other indicators to determine the potential for success in programs offered by the College. Should a student desire a course of study but does not have the appropriate educational background, pre-curriculum studies are available to prepare him/her for the desired program.

The admission process is essentially the same for all students applying for associate degree, diploma, and certificate programs; however, several programs have additional requirements, which are described in the Curriculum Programs section of this catalog. An abbreviated procedure has been developed for Special Credit (non-degree) Students; i.e., students not working towards an associate degree, diploma, and specific certificates from Davidson County Community College. Refer to Special Credit Students Section for more information. Refer to the Continuing Education Programs section for admission information about continuing education courses.

The College welcomes the opportunity to assist each prospective student in evaluating his/her educational and career objectives. Enrollment Services lists its hours on the College website. The website also contains a great deal of useful information available to applicants and students at all times.

The steps in the general admissions process are briefly outlined below and should be followed carefully. All forms and correspondence should be addressed to: Enrollment Services Office, Davidson County Community College, P. O. Box 1287, Lexington, NC 27293-1287.

1. The applicant should complete the online Application for Admission. All application materials are available in the Admissions Office or through the College's website, [www.davidsonccc.edu](http://www.davidsonccc.edu).
2. The applicant is encouraged to visit the Enrollment Services Center to discuss his/her educational and career objectives and review the necessary planning that is needed to support college enrollment. The Enrollment Services Center is located on the first floor of the B.E. Mendenhall, Jr., Building on the Davidson Campus and the Administrative Building on the Davie Campus
3. The applicant will request and submit his/her high school transcript to the Enrollment Services Office. The applicant may need to remind his/her counselor to send his/her final transcript to the College upon graduation from high school. If the applicant received the GED, he/she will need to have the official GED® Score report sent to the Enrollment Services Office. A final high school transcript or GED must be received in the Enrollment Services Office in order for students to qualify for financial aid.
4. The applicant will request and submit an official transcript of work completed at any previously attended college, university, technical institute, or institution of higher education from which they are seeking placement or prerequisite information or transfer credit. Transcripts should be sent to the Enrollment Services Office. Faxed transcripts are not official, however the College may accept hand-carried copies if they are enclosed in the original sealed college stationery envelope.
5. North Carolina law requires that to qualify for in-state tuition, a legal resident must have maintained his/her permanent domicile in North Carolina for at least the 12 consecutive months immediately prior to his/her application. Accordingly, every applicant for admission or readmission to Davidson County Community College must complete the residency information requested when applying for admission.
6. Applicants who plan to obtain a degree, diploma, or certificate are required to complete assessments in academic skills, and computer skills or submit acceptable scores on the SAT, ACT, Accuplacer, ASSET, Compass, or the North Carolina Diagnostic Assessment and Placement (NC DAP) assessments. Scores may not be more than five years old. Students who provide official transcripts showing completion of certain high school courses with a satisfactory unweighted GPA, college-level English, mathematics, and computer courses completed with a grade of C or better, or completion of a Bachelor's degree may be exempt from all or part of the academic or computer skills assessment. Once the applicant submits an application and meets with an Enrollment Advisor, he/she will be instructed to visit the Learning Commons Test Center to take the College's placement assessment. Walk-in testing is provided during Testing Center hours or appointments can be made by visiting [www.davidsonccc.edu/adademics/placement-testing](http://www.davidsonccc.edu/adademics/placement-testing).
7. Following completion of the placement assessment, the applicant will make an appointment with his/her academic advisor to discuss the results and begin his/her academic plan.

## Denial of Admission

Davidson County Community College reserves the right, per section 02C.0301 (e) and (f) of the NC Administrative Code, to refuse admission to any applicant when there is an articulable, imminent, and significant safety threat to the applicant or other individuals. Decisions to refuse admission are based upon the following definitions:

- **Articulable:** A community college official can provide specification about what leads the official to conclude that an applicant poses a safety threat. The college official should be able to document specific words or specific actions that create a safety threat for the threat to be articulable.
- **Imminent:** Statements or actions by an applicant that pose a threat that is likely to occur at any moment.
- **Significant:** An applicant could cause substantial bodily injury to any person. The State Board of Community Colleges has granted community colleges the authority to determine what is a significant safety threat.

Davidson County Community College has the authority to evaluate whether an applicant has exhibited behavior or made statements that would constitute an articulable, imminent, and significant threat to the applicant or others. The College will not deny admission to any applicant because of any disability the applicant may have.

Upon denial of admission, the applicant will receive a letter including the following information:

- Detailed facts supporting the decision to deny admission;
- The time period in which the applicant will not be admitted and the rationale for determining the time;
- Conditions under which the applicant would be eligible for admission; and
- The process for filing an appeal.

Davidson County Community College also reserves the right, per section 02C.0301 of the NC Administrative Code, to refuse admission to any applicant during any period of time that the student is suspended or expelled from any other educational entity.

## Appeal Process

Applicants who have been denied admission and wish to appeal should follow instructions in the College's General Complaint Policy starting with Step 2.

**Source URL:** <https://www.davidsonccc.edu/catalog/admissions-enrollment-financial-aid/admissions>

## **Admission Requirements for Selected Programs**

### **LAST UPDATED:**

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Some programs have specific admissions requirements in addition to those listed below. Additional information is available from the Admissions Office and online at [www.davidsonccc.edu](http://www.davidsonccc.edu).

- Associate Degree Nursing
  - Traditional Option
  - LPN to ADN Option
- Basic Law Enforcement Training
- Cancer Information Management
- Central Sterile Processing
- Cosmetology
- Esthetics Technology
- Health Information Technology
- Healthcare Interpreting
- Histotechnology
- Human Services Technology
- Medical Assisting
- Medical Laboratory Technology
- Nursing Assistant
- Pharmacy Technology
- Phlebotomy
- Practical Nurse Education
- Surgical Technology
- Truck Driver Training
- Zoo & Aquarium Science

### **Continuing Education Students**

For admission to Continuing Education non-credit courses, it is recommended that the student be at least 18 years of age. Some continuing education courses have special admissions requirements.

### **International Students**

- An international student is defined as one for whom an I-20 (F-1 student visa) form must be issued.
- The College cannot encourage the admission of international students for whom the lack of permanent residency and/or difficulty with the English language is a factor in adjustment to college work.
- Davidson County Community College is not authorized to issue I-20 forms or accept I-20 transfer students for the Basic Skills, GED®, ESL, or Adult High School programs.
- International students are required to observe the regulations of the United States Department of Homeland Security, as well as those of the College.
- A person holding a student (F-1) visa cannot be classified as a North Carolina resident for tuition purposes and shall be required

to pay out-of-state tuition.

- If an international student owes a debt to any College, he/she will not be allowed to enroll at the College the following semester and will thereby jeopardize his/her F-1 student status. 6.1.14
- International students wishing to transfer their I-20 to DCCC from another United States institution must complete all application procedures at least 60 days prior to the beginning of the semester in which they wish to enroll.
- The College is required to enroll all international students in the Student and Exchange Visitor Information System (SEVIS) of the Bureau of Citizenship and Immigration Services.
- Current undocumented residents who have maintained residency in North Carolina for at least 12 months prior to application to DCCC may be eligible for in-state status if the student can provide proof of Application for Permanent U.S. Residency and the letter stating that the Department of Homeland Security has received the application. However, these students may not be eligible for federal or state financial aid.

## **ADMISSIONS CHECKLIST for International Students**

### **1. TOEFL Scores (Test of English as a Foreign Language)**

- a. Anyone wishing to apply for admission as an international student whose native language is not English must first make arrangements through the American Consulate in his/her own country to take the Test of English as a Foreign Language (TOEFL).
- b. No international applicant can be approved for admission (even if he/she meets all other requirements) until a satisfactory score is achieved on the TOEFL exam. For the paper-based TOEFL, a minimum score of 550 is required. For the computer-based TOEFL, a minimum score of 213 is required. For the iBT TOEFL exam, required scores are as follows for each portion of the test: Reading 17; Listening 17; Speaking 16; and Writing 16.

### **2. DCCC Application for Admission**

- a. Some DCCC programs have additional admission requirements.

### **3. Placement Assessment Scores**

- a. Make an appointment to take the DCCC Placement Assessment online or by calling the Davidson Campus at 336.249.8186, extension 6787, or the Davie Campus at 336.751.2885.
- b. Applicants with previous college level English and/or math credits from regionally accredited college may be exempt from taking a portion of the Placement Assessment.

### **4. Official Transcripts from High School and/or GED and all Colleges attended.**

- a. Course work completed at institutions outside of the United States must be submitted with a notarized or certified English translation.
- b. Credential evaluations performed by World Education Services ([www.wes.org](http://www.wes.org)) are accepted.

### **5. Evidence of Financial Resources**

- a. All international applicants must submit evidence of adequate financial resources to support them throughout their educational program including evidence of satisfactory housing and transportation arrangements.
- b. The documentary evidence must be in the form of either a statement signed by a bank official on bank stationery in English from the individual's bank in the home country that he/she has access to \$9,500 plus out-of-state tuition and fees for one year or a signed notarized statement from the bank of a sponsor who is a U.S. citizen that the sponsor has access to \$9,500 plus out-of-state tuition and fees for one year and a signed notarized statement of intent to provide support from the sponsor.
- c. Federal and state funds for financial assistance to international students are not available.

Once all steps above have been completed and verified, the Director, Records and Registration will issue an I-20 (student visa).

## **Special Credit Students**

An applicant to the College who wishes to enroll in one or more credit-curricular course(s) but who does not plan to pursue a degree, diploma, or certificate may be accepted and may enroll as a special credit student. A student who has not completed the academic and computer skills assessment and is seeking enrollment in a course must demonstrate competence, which prepares him/her for success in the course. Options for demonstration of competence include ASSET, Accuplacer, Compass, SAT, ACT, and Computer Skills Assessment scores no more than three years old or prior degree/course work. The student who cannot demonstrate competence through skills assessments or prior degree/course work may be enrolled on a conditional basis, if, in the judgment of the Associate Dean responsible for the course, the student is prepared to be successful in the course. A student may not receive a degree, diploma, or certificate until competence in reading, writing, mathematics, and computer literacy is demonstrated through placement assessment or prior degree/course work. Special credit student enrollment status does not qualify for federal financial assistance.

## **Career and College Promise**

Career and College Promise provides dual enrollment opportunities for North Carolina high school students to accelerate completion of

college certificates, diplomas, and associate degrees that lead to college transfer or provide entry-level job skills. DCCC offers the following Career and College Promise pathways aligned with the K-12 curriculum and career and college read standards adopted by the State Board of Education:

6.1.14

1. A Core 44 College Transfer Pathway leading to a minimum of 30 hours of college transfer credit;
2. A Career and Technical Education Pathway leading to a certificate, diploma or degree;
3. A Cooperative Innovative High School Pathway (Early College High School).

### **Core 44 College Transfer Pathway**

1. The Career and College Promise Core 44 College Transfer Pathway leads to a college transfer certificate and may include up to 30 semester hours of transfer courses, including English and mathematics.
2. To be eligible for enrollment, a high school student must meet the following criteria:
  - a. Be a high school junior or senior;
  - b. Have a weighted GPA of 3.0 on high school courses; and
  - c. Demonstrate college readiness on an assessment or placement test.
3. To maintain eligibility for continued enrollment, a student must
  - a. Continue to make progress toward high school graduation, and
  - b. Maintain a 2.0 GPA in college coursework after completing two courses.

### **Career Technical Education Pathway**

1. The Career and College Promise Technical Education Pathway leads to a certificate or diploma aligned with a high school Career Cluster.
2. To be eligible for enrollment, a high school student must meet the following criteria:
  - a. Be a high school junior or senior;
  - b. Have a weighted GPA of 3.0 on high school courses or have the recommendation of the high school principal or his/her designee; and
  - c. Meet the prerequisites for the career pathway.
3. To measure eligibility for continued enrollment, a student must
  - a. Continue to make progress toward high school graduation; and
  - b. Maintain a 2.0 in college coursework after completing two courses.

For additional information, contact the Career and College Promise Coordinator at 249-8186, extension 6178.

### **Early College High Schools**

Davidson and Davie Early College High Schools are small high schools located on the Davidson and Davie campuses of Davidson County Community College. They are collaborative efforts of Davidson County Schools, Davie County Schools, and Davidson County Community College. The Valley Academy is a collaborative effort with Davidson County Schools and is located at 2065 East Holly Grove Road Lexington, NC 27292. Each early college is a public school offering students who attend the opportunity to complete a high school education and an associate degree concurrently in four or five years. Tuition is free of charge, and class sizes are small.

Information about the application process is available by contacting the principal's office of the [Davidson Early College High School](#), [Davie Early College High School](#) or the [Valley Academy](#).

### **Readmission Policy**

Davidson County Community College recognizes that circumstances may cause a disruption in the progress of a student toward the completion of his/her course of study and that the student may find it necessary to withdraw from his/her program of study or from the College. The student is encouraged, when the circumstances causing the disruption in academic progress have been corrected, to contact the Enrollment Services Office to reenroll. After a two-year absence, the student must reapply.

Students who have been suspended for disciplinary or academic reasons or have been administratively withdrawn from the College must apply for readmission. Consideration of requests for readmission of students who have been suspended for any reason will be made in light of the applicant's prior academic and disciplinary record, evidence of growth and maturity, good citizenship record, credits earned at another institution, and time elapsed since leaving the College.

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Students readmitted to the College after an academic or disciplinary suspension will automatically be placed on probation for a period of



one semester and may be required to participate in an appropriate support program as a term of probation.

Students seeking readmission after an administrative withdrawal period are required to submit written documentation from a healthcare provider demonstrating that he/she is emotionally, psychologically, and/or physically ready to resume study. Documentation must explicitly state that (1) the student has complied with treatment; (2) the student is stable and ready to return to the unstructured and sometimes stressful college environment; (3) the student has addressed issues that led him/her to be withdrawn from school; and (4) it is in the best interest of the student to return to school. A diagnosis, prognosis, and recommendation for follow-up treatment should also be included. The Vice President, Student Affairs, in collaboration with appropriate faculty and staff, will review information supplied by the student and the student's prior academic and disciplinary records. Readmission may be granted upon the Vice President's satisfaction that the student is prepared to return to the College.

### **Readmission to Health, Wellness and Public Safety Programs**

Re-entry into a Health, Wellness, and Public Safety program is contingent upon space being available in the class, lab, or clinical component of the program and faculty resources. Qualified applicants re-enter with appropriate placement as determined by the applicant's prior academic record and/or curriculum changes. Readmission to a program is determined by the program director and/or the dean responsible for the program, is limited to one time, and must be initiated with a letter from the student requesting program reinstatement.

- Associate Degree Nursing
- Cancer Information Management
- Central Sterile Processing
- Emergency Medical Science
- Fire Protection Technology
- Health Information Technology
- Healthcare Interpreting
- Histotechnology
- Human Services Technology
- Medical Assisting
- Medical Laboratory Technology
- Nursing Assistant
- Pharmacy Technology
- Phlebotomy
- Practical Nurse Education
- Surgical Technology
- Therapeutic Massage

### **Change of Major/Program of Study**

If a student decides to change his/her program of study, he/she should first obtain the Change of Major form from the Office of Academic Advisement in the Student Success Center or on the College's website. To complete the process, the student should discuss the program change with his/her academic advisor. The intent is to ensure well-informed decision-making and an awareness of how program changes may affect the student's enrollment. The student's readiness to enroll in the new program will be determined by the academic advisor, and the change finalized by the Records Office.

When a student changes programs, the program grade point average (GPA) will be recomputed at the time of graduation to reflect only those specific courses applicable to the new program.

**Source URL:** <https://www.davidsonccc.edu/catalog/admissions-enrollment/admission-requirements-selected-programs>

## Multiple Measures for Placement Policy

### LAST UPDATED:

Jun 1 2014

*Multiple Measures for Placement Policy from System Office (Approved February 15, 2013)*

The Multiple Measures for Placement Policy establishes a hierarchy of measures that colleges will use to determine students' readiness for college-level courses:

- 1) A recent high school graduate who meets the specified GPA benchmark will be exempt from diagnostic placement testing and will be considered "college-ready" for gateway math and English courses.
- 2) If a recent high school graduate does not meet the GPA benchmark, the college will use specified ACT or SAT subject area test scores to determine placement.
- 3) If a recent high school graduate does not meet the GPA threshold or have college-ready ACT or SAT scores, the college will administer the diagnostic placement test to determine placement.
- 4) If an applicant does not have a recent high school transcript or ACT or SAT scores, the College will administer the diagnostic placement test to determine placement.

Unweighted GPA = or > 2.6 And FRC Code 1, 2, 3, or 4*	Student is college ready for any gateway math course and any course that has a DMA prerequisite. Colleges may require students with a GPA <3.0 enrolling in MAT 151, 155, 161, or 171 to take a supplemental math lab as a co-requisite.
Unweighted GPA = or > 2.6 And FRC Code 1, 2, 3, or 4*	Student is college ready for any English course up to and including English 111 and any course that has a DRE prerequisite. Colleges may require students with a GPA < 3.0 enrolling in ENG 110 and ENG 111 to take a supplemental English composition lab as a co-requisite.
Unweighted GPA < 2.6	College will evaluate subject-area ACT or SAT scores to determine if student is college ready in math and English using the following scores (based on national and state validation studies):  <b>English:</b> CT Reading 20 OR ACT English 18 SAT Writing 500 OR SAT Critical Reading 500  <b>Math:</b> ACT Math 22 SAT Math 500
Unweighted GPA < 2.6 and subject-area score(s) below college ready	Student will take the subject-area diagnostic assessment(s) to determine placement. (Colleges will continue to use Accuplacer, Asset or COMPASS until NC's custom diagnostic assessment is fully implemented.)
Students without a recent transcript GPA or without ACT or SAT scores	Student will take the subject-area diagnostic assessment(s) to determine placement. (Colleges will continue to use Accuplacer, Asset or COMPASS until NC's custom diagnostic assessment is fully implemented.)

## **Academic Skills Assessment Policy**

### **LAST UPDATED:**

Jun 1 2014

The purpose of skills assessment is to match the academic readiness of the incoming student with the academic requirements of the curriculum. Based on assessment information, a student may be placed directly into college-level English, math, computer or other courses or into one of the pre-curriculum courses that are designed to prepare the student for successful entry into his/her chosen field of study. Students who provide official transcripts showing completion of certain high school courses with a satisfactory unweighted GPA, college-level English, mathematics, and computer courses completed with a grade of C or better, or completion of a Bachelor's degree may be exempt from all or part of the academic or computer skills assessment. Acceptable scores less than three years old on the SAT or ACT may also qualify the applicant for placement into college level English or math courses without further assessment. DCCC does not retain assessment scores and records more than five years old.

It is important for applicants to prepare for the academic skills assessment. Preparation information for the academic skills assessment is available in the Enrollment Services Office on the first floor of the B.E. Mendenhall, Jr., Building and on the Davie Campus or can be accessed at [www.davidsonccc.edu](http://www.davidsonccc.edu). In addition, free refresher classes, called ACE (Achieving College Entry), are available through College and Career Readiness to brush up on reading, writing, and math skills. Contact the ACE program staff for information and schedules at 336.249.8186, extension 4571.

Research shows that students who take advantage of the ACE program refresher classes are more likely to improve assessment scores and place into curriculum courses.

### **Repeating the Skills Assessment**

Persons completing the academic skills assessment may request one additional assessment during the three-year period following the first assessment. To reassess, students must complete a skills review either through the ACE program or online. Reassessment in computer literacy is not permitted. Permission for exception to the assessment policy must be obtained in advance from the Director of Advising or his/her designee. Assessment results that do not comply with this policy will not be considered.

Students currently enrolled in pre-curriculum English, reading, mathematics, algebra, or computer courses are not eligible to retake the placement assessment in that subject.

### **Assessment Policy – High School Students**

(For Career and College Promise, Home School, and Davidson and Davie Early College)

High school students applying for admission to the College through these programs may assess two times at the time of application. The second assessment can occur no sooner than 30 days following the initial assessment. Students will be permitted to reassess once per year after the successful completion of an English or math course. Students may also meet placement requirements by meeting benchmark scores on: PLAN, PSAT, SAT, or ACT.

**Source URL:** <https://www.davidsonccc.edu/catalog/admissions-enrollment/academic-skills-assessment-policy>

## **Financial Aid**

### **LAST UPDATED:**

Jun 1 2014

The College makes every effort within available financial aid resources to assist students who lack the financial means to obtain a college education. The student and his/her family are expected to make reasonable contributions to meet college expenses. Financial assistance may be available to a student through the College in the form of federal and state grants, scholarships, federal work-study program, and federal student loans.

The primary purpose of financial aid at DCCC is to help pay for tuition, fees, books, and supplies. Opportunities for financial aid, though not unlimited, are within the reach of almost every student who can show satisfactory academic progress, graduation from high school or GED® completion, and demonstrate financial need. Financial aid is awarded when a student has been admitted to a program of study, submitted the FAFSA (Free Application for Federal Student Aid), and financial aid requirements are complete. This must be done by the posted priority deadlines listed on the College's website. In order for students to continue receiving financial aid, they must apply annually to demonstrate financial need and maintain satisfactory academic progress.

### **Federal Aid Programs**

#### **Federal Pell Grant**

The Federal Pell Grant Program is a financial aid entitlement program for students who attend a post-secondary institution and have not received a bachelor's degree or have not received more than six years (or its equivalent) of maximum Pell eligibility (which ever comes first). All students seeking financial assistance begin the application process by completing the FAFSA (Free Application for Federal Student Aid) at [www.fafsa.gov](http://www.fafsa.gov). Davidson County Community College's **federal code is 002919** and must be listed on the FAFSA for DCCC to receive student application information. To be eligible, a student must have a high school diploma from an accredited school or state-approved home school or GED, enter an eligible college program, and be enrolled in that program. Satisfactory academic progress is required to continue to receive federal financial assistance. The grant will not fund audited courses or those that do not contribute to the timely completion of the student's approved program of study. The student should consult with his/her academic advisor to assist with appropriate course selection.

The United States Department of Education requires the college to refrain from awarding federal financial aid to students with a high school diploma that was issued based only on a test and/or payment of fees. This requirement also applies to some state financial aid awarded through the North Carolina State Education Assistance Authority.

As a measure of validation under this requirement, the college will not award federal or state financial aid to students who have been issued a high school diploma based only on a test and/or payment, obtained a diploma from a high school not listed as an accredited institution by the Distance Education and Training Council (DETC), or obtained a diploma from a high school that is not accredited by one of the recognized regional accrediting associations listed below:

- New England Association of Schools and Colleges (NEASC)
- North Central Association Commission on Accreditation and School Improvement (NCA)
- Middle States Association of Schools and Colleges (MSA)
- Southern Association of Schools and Colleges (SACS)
- Western Association of Schools and Colleges (WASC)
- Northwest Association of Schools and Colleges (NWCCU)

The United States Department of Education recognizes that students who have completed a GED, an Adult High School Equivalency Diploma or homeschooling at the secondary level as defined by state law are qualified to receive federal student aid. Therefore, the college will award federal and state financial aid to students who have earned a GED, Adult High School Equivalency Diploma or completed homeschooling as defined by state law.

These standards do not apply to college admission and placement policies.

#### **Federal Supplemental Educational Opportunity Grant**

The Federal Supplemental Educational Opportunity Grant (SEOG) is for students who have demonstrated exceptional financial need<sup>20</sup> based on FAFSA results. This grant varies in amount and is awarded based upon student need. Students are encouraged to complete the FAFSA early, as SEOG funds are very limited and awarded on a first-come, first-served basis.

## Federal Work-Study

The Federal Work-Study program utilizes funds to provide part-time campus employment for students with financial need to help with educational expenses. Students who are enrolled at least halftime may work an average of 10-16 hours per week. Students are paid monthly, based on the number of hours worked the preceding month. The allocation of work-study funds is limited to availability of position, completion of financial aid eligibility and individual student financial need.

## Federal Student Loans

The Federal Direct Student Loan Program provides loans to help students pay for college educational costs not covered by other financial resources. Loans are federal funds that must be repaid by the student-borrower regardless of program completion. Davidson County Community College determines the maximum amount of loan eligibility based upon financial need, student classification, and cost of attendance. Students must be enrolled in six credit hours to be eligible for student loans.

## North Carolina State Aid Programs

### North Carolina Community College Grant

The North Carolina Community College Grant is designed to assist students who (1) qualify as bona fide residents of North Carolina for tuition purposes, (2) enroll in a minimum of six semester hours of credit in fall and spring semesters at a North Carolina Community College, and (3) demonstrate financial need based on FAFSA results.

### North Carolina Education Lottery Scholarship

The North Carolina Education Lottery Scholarship is designed to assist students who (1) qualify as bona fide residents of North Carolina for tuition purposes, (2) enroll in a minimum of six hours of credit in fall and spring semesters at a North Carolina Community College, and (3) have demonstrated financial need based on FAFSA results.

The college will refrain from awarding state financial administered through the North Carolina State Education Assistance Authority to students with a high school diploma that was issued based only on a test and/or payment of fees. The full high school diploma policy may be found in this catalog under Financial Aid Programs – Federal Pell Grant.

## Scholarships

The Davidson County Community College Foundation, Inc., through the generosity of local industries, businesses, professional organizations, civic clubs, and individuals, provides scholarships. The scholarship program consists of two types of awards: merit-based scholarships and need-based scholarships. While the majority of scholarships are need-based, additional criteria may further direct the awarding of many need-based and merit-based scholarships. Awards may provide tuition assistance and require the recipient to maintain a minimum GPA (grade point average). Scholarships are typically awarded for one academic year beginning with the fall semester, with preference given to second-year students. Students must complete the FAFSA (Free Application for Student Financial Aid) each year in order to be eligible for scholarships. The Financial Aid Office and the College's website provide scholarship information, application forms and deadlines.

## Special Circumstances

Students and their families are primarily responsible for financing education expenses; however, the FAFSA may not always accurately reflect changes in a family's household size or income. Students whose families have experienced change to household size income, or anticipated expenses may request Professional Judgment Request Form for re-evaluation of their financial aid eligibility information through the Financial Aid Office.

Any student who finds it difficult to continue his/her education due to such changes should submit a completed Professional Judgment Request Form, along with the required supporting documentation, to the College's Financial Aid Compliance Officer. The Compliance Officer will verify the current FAFSA data and determine if Professional Judgment is appropriate. The decision of the Financial Aid Compliance Officer is final.

## Satisfactory Academic Progress Policy and Time Limitations

Federal regulations require that colleges establish minimum standards of satisfactory academic progress (SAP) for students receiving financial aid that is at least as strict as that for all general students. Financial aid students are expected to achieve satisfactory grades and progress toward the completion of their program in a reasonable period of time and within a reasonable number of credit hours. It is the responsibility of students to be aware of their Satisfactory Academic Progress status for financial aid eligibility because their progress will be reviewed at the end of each term. SAP is evaluated by both qualitative (GPA) and quantitative (completion percentage) standards and there are limits on how long a student may receive aid.

## SAP Requirements

- Qualitative standard: Students must **maintain a minimum cumulative grade point average (GPA) of 2.0.**
- Quantitative standard: Students must **successfully complete 67% of the cumulative credit hours attempted.**
  - o Hours attempted are measured at the 10% (census date) of the term.

- o Successful completion means the student receives a passing final grade on the DCCC transcript.
- o Example: if the student attempts 12 credit hours during a term, the student must successfully complete 8 credit hours to meet the 67% standard (12 hours attempted x 67% = 8 hours). 6.1.14
- Time Limit Standard: Students **may not exceed 150% of the Maximum Time Frame** for their original program. Maximum time frame is measured in credit hours.
  - o When the 150% maximum time frame has been reached, financial aid will cease even if the student is meeting other measures of SAP.
  - o Clock-hour programs such as Cosmetology, Esthetics, 1st-year Therapeutic Massage and BLET are an exception and are only allowed 100% of the program length for completion.
  - o Example: if an associate degree requires 64 credit hours for completion, a student may attempt a maximum of 96 hours before exceeding eligibility (64 credit hours x 150% = 96).
- Effective July 1, 2012 there is a 6-year **lifetime limit on the use of the Pell Grant**.
  - o The measure refers to Lifetime Eligibility Used or LEU.
  - o Students have eligibility for no more than six academic years (or its equivalent) of full-time Pell Grant funding.
  - o This will be calculated by the federal processors.
  - o Part-time students will have the terms reviewed on a fractional basis.
  - o Those planning to transfer to a 4-year institution should not exhaust more than 6 of their full-time semester awards at DCCC to allow for remaining eligibility to complete their first bachelor's degree.
- A maximum of **30 credit hours of Pre-curricular classes may be attempted** and counted towards enrollment for financial aid purposes. After reaching or exceeding 30 attempted hours, no further federal or state aid may be paid for those courses.

### SAP and Maximum Time Frame Factors

- **Audits** – Audited courses may not be counted towards the total number of hours of enrollment for a term as no credit will be earned.
- **Incompletes** – Incompletes (I) will not affect a student's GPA in the SAP review because it is temporary and will be replaced with a final grade. SAP will be evaluated on the final grade during the next term's review.
- **Pre-curriculum (Developmental) Courses** – Pre-curriculum courses (courses numbered less than 100) are allowed and calculated in a student's enrollment status for students needing skill-building course work. A maximum of 30 credit hours of pre-curriculum work is allowed and these hours are considered in SAP calculations. After the maximum has been met, no further federal or state aid may be disbursed for pre-curriculum hours.
- **Repeats** – Courses may be repeated by students. When a course is repeated the most recent final grade will be used to determine eligibility. The previous hours attempted will be counted as hours attempted when reviewing SAP completion rate and maximum time frame.
- **Summer Courses** – Summer Session grades and hours attempted and earned will be included in the calculation of SAP as for any other term.
- **Transfer Credits** – Hours accepted from other institutions and evaluated in the student's current program are included in the calculation of the completion rate and maximum time frame. Transfer hours count both as hours attempted and hours completed.
- **Withdrawals** – Withdrawals (W) Withdrawal-Failing (WF) and Withdrawal-Passing (WP) adversely affect a student's SAP by reducing the number of hours successfully completed and may result in a recalculation of a student's award for the term.

### Evaluation and Financial Aid Statuses

Satisfactory Academic Progress (SAP) will be evaluated at the end of each term after final grades have been posted with the Records Office. Students will be notified of their status via their DCCC email account.

- **Satisfactory** – Students in their first term at DCCC or those who have attended and meet or exceed the SAP requirements are considered in satisfactory status for financial aid purposes.
- **Financial Aid Warning** – The first term a student fails to meet SAP, the student will be notified that he or she has been placed on financial aid warning for the next academic term. The student may continue to receive financial aid during the warning term, but must improve GPA and/or completion rate to prevent progressing to financial aid probation.
- **Financial Aid Suspension** – The second or subsequent term a student does not meet SAP, the student will be notified that financial aid has been suspended.

### Appeals

Students may appeal the Suspension of Aid if there were extenuating circumstances affecting their academic performance within 30 days

of notification of their status.

- Appeals must include the Financial Aid (SAP) Appeal Form as a cover sheet accompanied by a statement and any other supporting documentation.
- The appeal must detail the circumstances resulting in the students of unsatisfactory progress such as:
  - o Extended illness/injury of student or family member (documentation is required),
  - o Death of a relative (documentation is required),
  - o Change of program (documentation is required).
- Students should schedule a SAP review appointment with the Financial Aid Office to discuss the appeal.
- Students awaiting review of SAP appeals are responsible for any enrollment charges. Financial aid will not be available, nor students' school charges held.

Students will be notified of the results of the appeal via their DCCC email account.

- Successful appeals will result in the students returning to the status of Probation (on Appeal).
  - o **Probation on Appeal** status requires students to meet a higher term-based standard for SAP evaluation. This is in an effort to improved cumulative SAP measures in the shortest possible time.
  - o Students granted Probation on Appeal (unless otherwise documented) must earn a minimum term-based GPA of 3.0 and complete 100% of term hours attempted.
  - o Students meeting Probation on Appeal standards will be granted continued Probation on Appeal status and the same term-based requirements will continue until the student achieves cumulative SAP standards and returns to Satisfactory status.

Students who are unsuccessful in meeting probation on appeal standards will have financial aid at DCCC terminated.

- Denial of appeal will be communicated to the student in the SAP meeting and via campus email. Denial of appeal will result in financial aid termination.

Students not satisfied with the result may appeal the decision following the process outlined in the College's General Complaint Policy, beginning with Step 2.-

### **Reinstatement of Financial Aid**

Students whose aid has been terminated may seek reinstatement of financial aid after meeting Satisfactory Academic Progress standards. He/she must also present evidence of meeting all SAP standards for at least two consecutive terms and include at least 12 total credit hours.

- Requests for reinstatement of financial aid must include the Financial Aid Reinstatement Form as a cover sheet accompanied by a statement regarding the circumstances now contributing to the student's progress.
- Reinstatement requests must include an official transcript from a regionally accredited college demonstrating the student meeting all SAP standards since Suspension of Aid and within the last 5 years.
- Reinstatement requests should be submitted to the Financial Aid Compliance Officer and will be reviewed within 15 business days of receipt.
- Students awaiting review of reinstatement requests are responsible for any enrollment charges. Financial aid will not be available, nor students' school charges held during this time.

Students will be notified of the results of the review via their DCCC email account.

### **Withdrawal and Return of Federal and State funds Policy for Financial Aid Students**

Federal financial aid is awarded to eligible students under the assumption that they will remain enrolled for the full length of the enrollment period. It is earned by students in a prorated manner based upon the percentage of the term they attend. If a student completely withdraws, resulting in zero current hours of enrollment, the school must determine if there is a portion of financial aid that is unearned. The review of withdrawals will take place within 30 days of the processed withdrawal form and return of funds completed no later than 45 days after.

- Students receiving federal financial aid who find it necessary to withdraw from all classes after the 10% census date, but before completing 60% of the academic term will have the amount of their federal and state financial aid award(s), recalculated.
  - o Students are responsible for submitting the Schedule Change Form to the Office of Academic Advising to officially withdraw from classes. The last date of enrollment is supplied by instructors on this form and is recorded by the Records Office.
  - o Students may be required to contact the Financial Aid Office to ensure they are informed of the impact the total withdrawal may have on their current award and ability to meet satisfactory academic progress (SAP) requirements.
- If, in the recalculation, the student has earned federal financial aid funds for the current term that have not yet been disbursed, a Post-

withdrawal Disbursement of Federal Financial Aid will be processed and mailed to the student.

- Recalculation of financial aid may result in overpayment and the need to return funds to the appropriate federal and/or state program(s) such as direct loans, Pell and other federal and state scholarships and grants. 6.1.14
  - o When an overpayment has been calculated, the student must repay any unearned portion of the award to the College. The College will return the funds to the appropriate federal and/or state programs.
  - o Unearned aid is returned to federal programs in the following order (unless the student did not receive aid from that source): Unsubsidized Direct Loans, Subsidized Direct Loans, PLUS Loans, Pell Grant, SEOG, other federal grant programs.
- The amount of federal aid to be returned (overpayment) is calculated by multiplying total institutional charges (tuition and fees) by the percentage of unearned aid.
  - o The earned portion of federal financial aid is determined by dividing the number of days completed by the student by the total days in the term. This determines the percentage of the term completed and the percentage of aid earned by the student.
  - o The unearned portion of financial aid will be 100% minus the percent earned.
  - o Unearned aid shall be returned first by the College from the student's account.
  - o If the total amount of unearned aid is greater than the amount returned by the College from the student's account, the student owes an overpayment to DCCC.
  - o The student will be responsible for any portion of institutional charges outstanding after financial aid funds are returned and will be billed accordingly.
  - o E-mail notification will be sent to the student's campus e-mail to notify them of the calculation. Students must check their StormTrac account for the exact amount of the return owed to DCCC if applicable.
  - o If the student fails to repay their portion of the refund to the College, within 45 days the debt will be reported to the U.S. Department of Education as an overpayment and federal aid eligibility will be lost until satisfactory arrangements are made to pay the debt.

## Consumer Information and Gainful Employment

Find information on the college website for [Consumer Information](#) and [Gainful Employment](#).

## Department of Veteran Affairs

The College is approved by the North Carolina State Approving Agency for the enrollment of persons eligible for education assistance benefits from the U.S. Department of Veteran Affairs. Anyone seeking additional information regarding benefits should contact the College Veteran Service/Financial Aid Counselor in Enrollment Services located on the first floor of the B. E. Mendenhall, Jr., Building and are also encouraged to visit [www.qibill.va.gov](http://www.qibill.va.gov).

## Course Load for Veterans, Dependents and Reservists

A student receiving Department of Veteran Affairs benefits is required to enroll in a full-time academic load (12 or more credit hours each semester in order to receive full educational benefits. Students enrolled for 3/4 or 1/2 of the full-time requirements are eligible for prorated compensation. Students enrolled less than 1/2 time status are compensated for in-state tuition and fees only. Additional information is available from the Financial Aid/Veteran Affairs Representative at the College.

## Workforce Investment Act Program

This program sponsors students who are preparing themselves for a job or career in Davidson County's local labor market. Financial assistance may be provided for skills training to include degree, diploma, and certificate programs, as well as occupational related training offered through the Workforce and Continuing Education Division.

- Financial assistance is evaluated by an employment counselor through the student's county of residence. The applicant must meet economic and employment guidelines.
- An applicants' ability to be successful in selected curriculum is evaluated.
- Students must attend full-time as defined by the curriculum.
- Students must maintain a minimum "C" or 2.0 GPA.

## How to Apply

Applicants must apply through Davidson Works or the JobLink Career Centers, participating partners in the JobLink Career Center systems in Davidson and Davie counties. Locations are:

**Lexington Office:**  
Davidson Works  
555A West Center Street Extension



**Thomasville Office:**

JobLink Career Center  
211 West Colonial Drive  
336.474.2655

**Mocksville Office:**

Davie WIA  
450 W. Hanes Mill Road, 2nd Floor  
Winston-Salem  
336.776.6720

**Report of Performance Measures and Standards**

Refer to the summary of the College's results on the North Carolina Community College System Performance Measures and Standards at the back of this catalog.

**Source URL:** <https://www.davidsonccc.edu/catalog/financial-aid>

## **Career Development**

### **LAST UPDATED:**

Jun 1 2014

The Career Development Office is located on the second floor of the B. E. Mendenhall, Jr., Building in the Student Success Center. Career Counselors provide assistance with choosing a college major and career path, employment outlook for occupations, job search resources, resume and cover letter writing, interview preparation, and access to a wealth of career related information. Job search resources are available to help students and alumni develop job seeking, resume writing, and interviewing knowledge in order to make a successful transition from college to employment. Services include classroom workshops and one-on-one career counseling, a free Web based job bank, a list of current job search engines, an online resume and cover letter builder, and interview coaching and video recorded mock interviews. Visit <https://davidsonccc.edu/student-life/campus-services/career-development> to access a wide range of career resources online, including Career Coach or call 336.249.8186 ext. 6245 to make an appointment.

**Source URL:** <https://www.davidsonccc.edu/catalog/admissions-enrollment-financial-aid/career-development>

## **Academic Advising**

### **LAST UPDATED:**

Jun 1 2014

Academic advisors, in partnership with students, are responsible for helping them develop an educational plan and for monitoring student progress toward goal completion. The purpose of the office is to create for students a seamless advising process that promotes achievement of academic and career goals and greater appreciation for the relationship between education, self reliance, and life long learning. All students must participate in academic advising prior to registering for courses.

The Office of Academic Advising is located in the Student Success Center on the second floor of the B. E. Mendenhall, Jr., Building on the Davidson Campus. The Davie Campus Advisement Center is located in the Administration Building. Hours of operation are posted on the College's website.

Advisors guide and support students and collaborate with academic departments and support services to promote diverse educational experiences that foster success and responsible citizenship. Academic Advisors are knowledgeable about the College's academic departments, policies and procedures, as well as four year institutions and can assist with information related to application deadlines, programs of study, campus visits, financial assistance, and other frequently asked questions. Students who are interested in transferring to a four year institution are encouraged to discuss transfer options with the student's Academic Advisor.

**Source URL:** <https://www.davidsonccc.edu/catalog/admissions-enrollment-financial-aid/academic-advising>

## **New Student Orientation**

### **LAST UPDATED:**

Jun 1 2014

After meeting with your designated advisor, you will schedule new student orientation.

### **What you'll learn at a New Student Orientation Session:**

- Information on your School of Learning
- Information on your Program of Study
- How to register for your first semester at DCCC
- Information on student life at DCCC

DCCC is committed to helping students achieve their educational and career goals. Faculty and staff are dedicated to get students on the right track in the first year to help them complete their program of study.

**Source URL:** <https://www.davidsonccc.edu/catalog/admissions-enrollment-financial-aid/new-student-orientation>

**Tuition, Fees & Refunds**

**LAST UPDATED:**

Jun 1 2014

**Tuition and Fees for Curriculum Programs**

Since the College receives financial support from local, state, and federal sources, tuition is kept at a minimum. Tuition charges are set by the State Legislature and are subject to change without notice. See the Course Descriptions section for a description of semester hour credit.

**Tuition**

Subject to change by the North Carolina General Assembly

Credit Hours	NC Resident/In-state Tuition	Non-Residential/Out-of-state Tuition
1	\$71.50	\$263.50
2	\$143.00	\$527.00
3	\$214.50	\$790.50
4	\$286.00	\$1,054.00
5	\$357.50	\$1,317.50
6	\$429.00	\$1,581.00
7	\$500.50	\$1,844.50
8	\$572.00	\$2,108.00
9	\$643.50	\$2,371.50
10	\$715.00	\$2,635.00
11	\$786.50	\$2,898.50
12	\$858.00	\$3,162.00

13	\$929.50	\$3,425.50
14	\$1,001.00	\$3,689.00
15	\$1,072.50	\$3,952.50
16 or more	\$1,144.00	\$4,216.00

## Fees

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Student Activity Fee	\$32.50 maximum per semester
Technology Fee	\$16.00 maximum per semester
Accident Insurance Fee	\$1.25 per semester
Campus Access, Parking & Security Fee	\$25.00 per semester

In addition to the fees listed above, certain courses have applicable course specific fees, including:

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Liability Insurance Fee	\$8.00
HVAC Supply Fee	\$10.00
Massage Therapy Supply Fee	\$350.00
ZAS Internship Fee	\$75.00
ZAS Vaccination Fee	\$685.00
Bowling Fee	\$65.00
Drug Testing Fee	\$44.50
Fuel Surcharge Fee	varies based on price of fuel

## North Carolina Residency for Tuition Purposes

To qualify for in-state tuition, an applicant must be a permanent United States citizen or hold a Permanent Resident card issued by the U. S. Department of Homeland Security. Also, the applicant must have maintained his/her primary and permanent residence in North Carolina for at least the 12 months immediately prior to the semester for which application is being made. In order to be eligible for in-state classification, the individual must document that his/her presence in the State during such 12-month period was for purposes of maintaining a permanent residence rather than a temporary residence; for example, enrollment in an institution of higher education. Further, dependent students follow the residency classification of his/her custodial parent or court appointed legal guardian. (G.S. 116-143.1)

Students with a change in residency status during the course of enrollment should provide proof of North Carolina and/or United States residency to the Director of Admissions for consideration. The change in status will take effect the term following establishment of in-state residency.

Additional residency guidelines are set forth in detail in A Manual to Assist the Public Higher Education Institutions of North Carolina in the Matter of Student Residence Classification for Tuition Purposes, which is available from the Director of Admissions.

A student dissatisfied with the decision rendered by the College concerning his/her residency has the option to appeal in writing to the Vice President, Student Affairs, within five business days of the decision. Should the student not be satisfied with the Vice President's decision, he/she may appeal in writing to the N.C. State Residence Committee whose decision is final.

## College Fees

College fees are used to cover the cost of such expenses as those associated with instructional technology, student activities, student parking, degrees, diplomas, special programs and events, etc.

## Textbooks and Supplies

Costs of textbooks and supplies are additional expenses for which the student should plan. These expenses vary according to the program of study and the number of courses taken but approximately range from \$200 to \$800 per semester. These items may be purchased from the College bookstore or online at [www.efollett.com](http://www.efollett.com).

## Accident Insurance

Insurance covering accidents on campus or at College-sponsored events is provided to all enrolled curricular students through a required insurance fee. Information on the insurance is available from Student Affairs office on the second floor of the Brooks Student Center.

## Refund Policy - Curriculum Courses

The refund policy is established by state legislative action and is subject to change without prior notice to students. The College will make a 100% refund of tuition and fees if a student officially withdraws from classes before the semester's first day of classes. To officially withdraw, it is the student's responsibility to complete a Schedule Change form and submit it to the Office of Academic Advisement in the Student Success Center in the B. E. Mendenhall, Jr., Building.

The College will refund 75% of tuition if a student officially withdraws between the first day of class and the 10% point of the class. The last date to receive a 75% refund is listed in the calendar in the General Catalog/Student Handbook. Fees are not refundable after classes begin.

No refund of tuition and fees may be given after the 10% date. No refund shall be made for any amount less than five dollars (\$5.00). The refund policy also applies to administrative and medical withdrawals and when the student is suspended or expelled for academic or disciplinary reasons.

## Student Transcripts and Records

The College maintains a permanent record on each student, including the original application information, a transcript of courses taken at DCCC, and documentation regarding changes to this data. Student transcripts from other institutions received by the College become DCCC's sole property, subject only to inspection by the student. Students have a right to review transcripts on file from another college but not to obtain a copy.

Transcripts of the student's DCCC record will be sent to other colleges, universities, employers, and to the student himself/herself, when an official request is made by the student. (**Note:** Transcripts sent or issued directly to a student will be stamped "Issued to Student.") A transcript request form should be submitted a minimum of one week prior to the time a student wants his/her transcript mailed.

In order to assure that transcripts will not be mailed until a student has met all financial obligations to the College, the student must complete a transcript request form available [online](#) or in the Student Success Center in the B. E. Mendenhall, Jr., Building. Official transcripts are issued only when individuals are in good financial standing with the College. The charge for an official transcript is \$5.00; however, students may access their unofficial transcript through StormTrac.

It is the responsibility of the student to keep the College informed of his/her current address and contact information.

## Family Educational Rights and Privacy Act

The College is in full compliance with the provisions of the Family Educational Rights and Privacy Act of 1974, as amended. This Act protects the privacy of education records, establishes the right of students to inspect, review, and challenge their education records, provides guidelines for the correction of inaccurate or misleading data through informal and formal hearings, and provides for complaint procedures. Copies of the policy established by the College in compliance with the Act are available in the Student Records Office. Questions concerning the Family Educational Rights and Privacy Act may be referred to the Student Records Office. In complying with the provisions of the Act, the College has designated the following categories of information about students as directory information: the student's name, address, telephone listing, date and place of birth, major field of study, current enrollment status, participation in officially recognized activities, dates of attendance, degrees and awards received, the most recent educational institution attended by the student, photos and videos. Currently enrolled students may prevent disclosure of any of the above categories of directory information under the Family Educational Rights and Privacy Act. To prevent disclosure of the information designated as directory information, the student must submit a written request to the Student Records Office.

[top](#)

**Source URL:** <https://www.davidsonccc.edu/catalog/admissions-enrollment-financial-aid/tuition-fees-refunds>

## **Student Support Services & Student Life**

### **LAST UPDATED:**

Jun 1 2014

### **SUPPORT SERVICES**

The College offers a comprehensive program of student services designed to meet the needs of part-time and full-time students. Commitment of College personnel to the concept of total student development involves extending traditional teaching/learning experiences beyond the classroom into other out-of-class teaching/learning situations, which may or may not involve typical classroom activities. While student development is a College-wide priority, the primary responsibility for developing and coordinating student development services lies with the Vice President, Student Affairs.

In an effort to facilitate total student development, Student Affairs staff will provide students with learning opportunities to meet their intellectual, academic, personal, social, cultural, and physical needs; help with making realistic career choices; help in developing a greater sense of self-worth, self-confidence, and responsibility for their own behavior; assist with becoming more open, honest, and trusting in their relationships with others; and assist with developing the life skills necessary to live productive and fulfilled lives.

### **TRiO Student Support Services Program**

Student Support Services is a TRiO Program funded through a grant from the U. S. Department of Education for students who are first generation college students, low income eligible and/or have a documented disability. The Student Support Services Program provides opportunities for academic improvement and mastery of basic college skills, as well as activities that motivate and propel students toward a successful completion of their postsecondary education. The program offers academic monitoring, co-advisement, career and personal counseling, tutoring, study skills, and educational/cultural enrichment experiences. The Student Support Services Program seeks to increase college retention and the graduation rates of its participants as well as to encourage transfer to a four-year institution. For more information, contact the Student Support Services Office, located in the J. Bryan Brooks Student Center, second floor, room 202.

Specific program services include:

- Academic, career, and personal counseling
- Supplemental financial assistance for eligible students
- College transfer advisement and assistance
- Individual tutorial services
- Monitoring of classroom progress
- Workshops for academic career, and personal success
- Financial literacy information and workshops
- Assistance with completing the FAFSA and college applications
- Space for homework and tutoring
- Opportunities to visit colleges and participate in cultural activities

How to apply to the program:

1. Obtain an application from the Student Support Services Program (SSSP) website under the Division of Student Affairs or come to the Student Support Services Program Office located in the J. Bryan Brooks Student Center, second floor, room 202.
2. Complete the application and schedule an appointment with the Program Director.

Office hours for SSS are Monday-Friday, 8:00 a.m.-5:00 p.m. Phone number 336.249.8186, extension 6799.

### **Disability Services**

Disability services are provided by the Disability Services Counselor, located in the J. Bryan Brooks Student Center.

The College is committed to providing access to facilities and reasonable accommodation in the instructional process, in compliance with



Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Both require institutions of higher education to "provide equal access to educational opportunities to otherwise qualified 'persons with disabilities.'" It is the responsibility of the student with a disability to provide documentation of the disability. The documentation must certify that the disability creates a substantial limitation of a major life activity in order to establish eligibility for protection under the law. This documentation may include results of medical, psychological, or emotional diagnostic tests, or other professional evaluations to verify the need for adjustments or aids. Requests for information and assistance should be directed to the Disability Services Counselor or the Director, Student Services, on the Davie Campus.

## **Career Development**

The Career Development Office is located on the second floor of the B. E. Mendenhall, Jr., Building in the Student Success Center. Career Counselors provide assistance with choosing a college major and career path, employment outlook for occupations, job search resources, resume and cover letter writing, interview preparation, and access to a wealth of career related information. Job search resources are available to help students and alumni develop job seeking, resume writing, and interviewing knowledge in order to make a successful transition from college to employment. Services include classroom workshops and one-on-one career counseling, a free Web based job bank, a list of current job search engines, an online resume and cover letter builder, and interview coaching and video recorded mock interviews. Contact the Career Development Office for an appointment by calling 336.249.8186, extension 6245, email [cs@davidsonccc.edu](mailto:cs@davidsonccc.edu), or visit [www.davidsonccc.edu](http://www.davidsonccc.edu) to access a wide range of career resources online, including Career Coach.

## **Bookstore**

A College Bookstore is provided on campus as a service to the student body, faculty, and staff. Textbooks, school supplies, and other course-related materials are available. The Bookstore also provides opportunities for students to sell and buy used books. Hours of operation are posted on the [DCCC bookstore website](#).

## **Child Development Center**

In 1981, the College opened a Child Development Center on the Davidson Campus. The purpose of the CDC is to provide a hands-on laboratory site for students enrolled in the Early Childhood Education degree program by offering exemplary care and education for pre-school children. The center offers students of the College opportunities to learn about the development and education of children by observing and interacting with young children under the supervision of qualified teachers and staff. In addition, the center serves as a collaborative partner with local childcare providers and community agencies committed to enhancing the quality of care and education for young children.

The CDC enrolls children from infancy through five years of age and operates with a five-star license. Awarded by the N.C. Division of Child Development, which regulates licensed early care and education facilities in the state, the five-star rating is the highest granted under the state licensure system. Operational hours for the Davidson Campus CDC are 7:30 a.m. to 5:30 p.m., Monday through Friday.

## **Nurse and Mental Health Counselor**

Through agreement with the Davidson County Health Department, a nurse is available for consultation on Monday and Tuesday mornings in the B. E. Mendenhall, Jr., Building, room 230b. Through agreement with Davidson County Family Services a mental health counselor is available for assessment, counseling, and referral in room 230b several days each week. Hours are published on the [College website](#).

## **First Aid**

The location of the College is such that the campuses are easily accessible to medical attention and hospital care at the hospitals of Thomasville, Lexington, and Davie County. Public ambulances are available on a 24-hour schedule. First-aid supplies are also available to students in all shops and laboratories, in the Student Success Center located in the B.E. Mendenhall, Jr., Building and at the campus receptionist area on the Davie Campus. In the event of accident or medical emergency at any DCCC campus location, call 911.

## **Davie Campus Services**

The College makes every effort to provide access to Student Services for students at the Davie Campus in Mocksville. Students may request assistance with services indicated in this catalog by contacting the Davie Campus or the Davidson Campus. Davie Campus personnel will assist students in obtaining information or receiving help from campus services housed at the Davidson Campus.

## **Food Services**

Food service is available in the Storm Cellar on the first floor of the J. Bryan Brooks Student Center on the Davidson Campus. Hot meals are available from 7:00 a.m. to 2:00 p.m. Monday through Friday. Vending machines with snacks, beverages, confections, etc., are available in most buildings on both campuses.

## **STUDENT LIFE**

Student activities are viewed as an important dimension of each student's experience while attending Davidson County Community College, and the College encourages student involvement in all aspects of student and campus life. Students gain enjoyment, friends on campus, leadership skills, and experiences that are valued by both employers and four-year universities.

## **Athletics**

Davidson County Community College offers an intercollegiate [athletic program](#) to enhance the college experience for students. Women's

volleyball and men's basketball programs are available to students. Each program is committed to providing a comprehensive and well-rounded athletic experience in support of the College's educational initiatives.

The College is a member of the National Junior College Athletic Association (NJCAA). The teams compete in Division III, Region 10. Division III teams do not offer scholarship support to players. In accordance with DCCC's open door admissions policy, students admitted to the College who plan to participate in intercollegiate athletics must meet all admissions criteria set forth in the College General Catalog/Student Handbook. Player eligibility includes standards established by DCCC and NJCAA. Student-athletes must be enrolled each semester as a full-time student with 12 or more semester hours and maintain a grade point average of 2.0 or higher to meet eligibility.

## **Student Organizations and Activities**

The College encourages student involvement in all activities of student and campus life. Student activities are viewed as an important dimension of each student's learning experience while attending DCCC. Student organizations and activities at Davidson County Community College are open to all students regardless of race, national origin, religion, age, sex, or disability.

The area of Student Activities is committed to educating and challenging students to reach their full potential and operates with the belief that all students are potential leaders of society and the world. To that end, student development in some form serves as the major point of emphasis in the services and programs provided.

Through student organizations and activities, students enhance their leadership, intellectual, cultural and personal development, establish lifelong friendships by participating and working with others who share the same interests, and gain experiences valued by both employers and four-year colleges and universities.

Students have the opportunity to participate in activities such as Fall Fest, Spring Fling, International Night, Halloween Extravaganza, formal dances, service projects, and membership in any of the more than 30 campus clubs and organizations.

## **Student Government Association (SGA)**

The purpose of the Student Government Association (SGA) is to serve as the voice of the student body by promoting campus involvement, fostering leadership development, and overseeing and assisting in the development of student clubs and organizations, and by acting as a liaison between student organizations and campus administration.

All students, full-time or part-time, are a part of the Student Government Association and can attend SGA Council meetings and participate in all activities sponsored by the SGA.

## **Ambassadors**

Ambassadors are students who have excellent interpersonal skills, strong academic records, and a strong commitment to Davidson County Community College. By an application process and recommendations from faculty or staff members, these students represent the College at special events, give tours, and generally act as representatives to the community. Ambassadors receive leadership development training to assist them with their responsibilities.

## **Civic Engagement/Service Learning**

Davidson County Community College is committed to developing our students, both inside and outside the classroom. The Civic Engagement initiative is the product of a campus community effort to provide our students with meaningful experiences, leadership skills, and a sense of civic responsibility through structured curricular and co-curricular activities.

### **Curricular Emphasis – Service Learning**

Service Learning engages students in organized activities that address community needs while strengthening their academic skills. Faculty will provide students opportunities throughout the semester to reflect on their service and how it relates to their course objectives.

### **Co-curricular Emphasis – Service Projects**

Working in conjunction with Student Affairs, service projects will allow students to participate in service activities and reflections without having to be affiliated with a specific course. By bringing together students, faculty, staff, and alumni for a common goal, co-curricular service projects will allow greater opportunities for the campus community.

## **Fitness Centers**

The [Fitness Center](#) on the Davidson Campus is a state-of-the-art workout facility in the North Carolina Community College System. This Center provides faculty, staff, students, and alumni the opportunity to stay fit and healthy. The equipment includes Cybex pin-select weight training machines, treadmills, elliptical trainers, stair climbers, stationary and spin cycles, and a full free weight training area. A certified aerobics instructor and personal trainer are on staff to assist anyone in meeting their fitness goals. Group exercise classes are also offered free of charge to all students and staff throughout the week.

The Davie Fitness Center is located in the Health and Technology Building. The equipment includes new Cybex pin-select weight training machines, treadmills, elliptical trainers, stair climbers, stationary and spin cycles, and a full free weight training area.

Hours of operation are posted each semester.

## **Student Lounges**

In an effort to help meet the needs of commuting students, the College provides informal student lounges in the J. Bryan Brooks Student Center, Gee, Finch, and Sinclair buildings on the Davidson Campus and in the Davie Community (Classroom) Building on the Davie Campus. Students are encouraged to use these areas for relaxation and study between classes. For a quieter environment to study or do homework, students are encouraged to make use of study rooms in the Learning Commons and Library in the Edward Love LRC building.

## **Publications**

The D-Triple-C Dispatch is published at the beginning of each semester and provides back-to-school information students need to know.

**Source URL:** <https://www.davidsonccc.edu/catalog/student-support-services-student-life>

## Campus Security and Safety

### **LAST UPDATED:**

Jun 1 2014

Davidson County Community College is committed to providing the best possible education for all its students and a good working environment for all its employees. In striving to achieve this goal, it is important to assure the physical and emotional safety for all students, faculty, and staff. All College employees and students are responsible for taking safety seriously, preventing and/or reporting any unsafe conditions, and continuously practicing safety while performing any work or using any College facilities. Members of the campus community are encouraged to immediately report safety concerns of any kind to the following individuals:

- Campus Resource Officers, Davidson and Davie Campuses
- Security Personnel, Davidson and Davie Campuses
- Director, Campus Safety and Community Standards
- Director, Human Resources
- Vice President, Student Affairs
- Any supervisor of an academic program or campus service

Confidential crime reports may be made to the Davidson and Davie Campus Resource Officers.

The College's safety program includes the following:

### **Security and Personnel:**

- **Director, Campus Safety and Community Standards** – The Director is a full-time staff member in the Student Affairs division of the College responsible for all campus safety efforts, student conduct resolution, and leading the DCCC CARE Team. The Director, in collaboration with Campus Resource Officers, prepares the annual disclosure of crime statistics for the College.
- **Campus Resource Officers** - Two Davidson County sheriff's deputies serve as Campus Resource Officers (CRO) on the Davidson Campus and are on campus from 7:30 a.m.-10:00 p.m. Monday-Thursday and 7:30 a.m.-4:30 p.m. Friday. A Davie County sheriff's deputy serves as a Campus Resource Officer for the Davie Campus from 7:30 a.m.-4:30 p.m. Monday-Friday. All Resource Officers are sheriff's department employees authorized to carry weapons and make arrests. Resource Officers can provide information about registered sex offenders.
- **Security officers** - assist with building security and administering campus safety plans.
- **Mental Health Counselor** - assists students with personal and campus situations which may interfere with academic achievement or personal safety. The Counselor is an employee of Family Services of Davidson County and follows agency procedures for confidential crime reporting.
- **The DCCC Care Team** - comprised of faculty and staff with expertise in working with students and responding to emergency situations. The primary responsibility of the Care Team is to provide early assistance to students in distress in order to ensure wellbeing and safety and help prevent situations of concern, either before or after a conduct violation has occurred, from becoming more serious. When needed, the Care Team will conduct a threat assessment to determine the best, most appropriate ways to help students.

**Facilities:** Video cameras are installed in select buildings and exterior locations to assist security personnel with identifying unsafe situations and mitigating property loss.

### **Notification Systems:**

- **Calls to 911 Emergency** are automatically routed to Davidson and Davie county first responders, and the campus phone extension and building location are automatically identified in the call.
- **Panic buttons** that automatically dial 911 are located in all classrooms and main office locations of the Davidson and Davie campuses and education centers.
- **An all-building audio mass notification system** and a **text, email, and phone notification system** serve to quickly disseminate emergency messages across campus.
- Emergency messaging is communicated to the community via the **College's website**.

In the event of an emergency that may affect the safety of individuals, property or the continuity of college operations (Clery), the campus community will be notified in a timely manner through the following means, in the order listed:

1. An alert will be disseminated to the campus via an all-building audio mass-notification system. A phone message will also disseminate through this system to all campus phones.
2. An email, voice message, and text alert will be disseminated to the campus community via Blackboard Connect, a second mass notification system used by the College.
3. Emergency messaging will be displayed on desktop and mobile device versions of the College's website. Messaging will appear

**Note:** All forms of emergency messaging will contain the same information and directives for faculty, staff and students to follow. Messaging in all forms will be updated every half hour during an emergency.

## **Policies:**

- **Behavior Intervention/Threat Assessment Policy** - assists faculty and staff with determining responses to potentially threatening situations.
- **Student Code of Conduct** – assists faculty and staff with resolving student behavior concerns.
- **General Complaint** – assists faculty and staff with resolving complaints.
- **Administrative Withdrawal** – provides a way for the College to involuntarily withdraw a student who demonstrates potential for harm to self or others or who cannot function in the campus environment due to substance abuse.
- **Readmission Policy** – provides a structured process for suspended students to return to the College. Students seeking readmission following a suspension must complete an Application for Readmission and meet with faculty and staff.

**Planning and Response:** DCCC is committed to emergency preparedness and has engaged in response planning and practice emergency response drills. The College’s emergency plan is based on the National Incident Management System model. All employees have access to the College’s Emergency Response (make this a hyperlink) Handbook to assist with managing an emergency. Additionally, designated employees in each building assume leadership for building safety in the event of an emergency, and Maintenance staff members are assigned to buildings to assist during emergencies. These individuals receive training every August prior to the start of fall semester classes. The College’s emergency response procedures are tested and evaluated at least twice per year through practice drills facilitated by an external agency in the field of emergency preparedness. Additionally, the College’s evacuation building procedures are tested once per year through planned fire drills.

## **Disclosure:**

Twice per year, the College’s safety and emergency response procedures and crime statistics are disseminated to students, faculty and staff via email. Campus Resource Officers on the Davidson and Davie Campuses keep records of crime statistics and make these records available to the public upon request.

## **Education:**

The Director, Campus Safety and Community Standards, Campus Resource Officers and/or other community professionals conduct safety, crime prevention, and sexual assault prevention seminars open to all members of the campus community twice per year.

## **Campus Threat Assessment Policy**

### **I. Preamble**

Davidson County Community College is committed to providing the best possible education for all its students and a good working environment for all its employees. In striving to achieve this goal, it is important to ensure the physical and emotional safety for all students, faculty, and staff. A threat assessment is a tool the College may use when facing an extraordinary discipline and safety issue. A threat assessment is a way to assess a student’s particular physical, emotional, and psychological wellbeing and help that student receive the assistance needed in order to continue being a productive member of the campus community. The primary goal of the threat assessment process at DCCC is to provide early assistance to students in distress in order to ensure wellbeing and safety and help prevent situations of concern, either before or after a conduct violation has occurred, from becoming more serious. A student is defined as any person applying to the College or currently enrolled in any course at any campus location and/or online, including high school students applying to DCCC programs or currently enrolled in DCCC coursework at any campus location and/or online. A threat is defined as any conduct that presents a clear and present danger to self, others, or the campus community in general. In immediate and serious threatening situations, the President or his or her designee reserves the right to waive the assessment process outlined in this document and act in the best interest of campus safety. While some threat assessment resolutions may result in disciplinary action against the student, it is the sincere hope that through the threat assessment process, resources and assistance can be provided to the student in such a way that the student can continue to receive a quality education and DCCC can continue to be a friendly, safe environment for students and staff.

### **II. Convening the Care Team**

Faculty, staff, and students may contact any member of the Care Team at any time to report observations of unusual student behavior, regardless of whether or not a Code of Conduct violation has occurred. The first point of contact may be either the campus CRO (Davidson or Davie) or the Vice President, Student Affairs (Davidson Campus)/Director, Student Services (Davie Campus) if the situation presents imminent and serious danger. Upon receiving a report, the Vice President, Student Affairs, together with the Campus Resource Officer(s), will immediately conduct a preliminary investigation to determine if the report needs to be reviewed by the Care Team. A preliminary investigation will include, but is not limited to contacting faculty and staff who know the student, and, if deemed appropriate and necessary, meeting with the student. Should the student refuse to meet, and if it is determined by the Care Team as reasonably necessary to conduct and conclude its preliminary investigation and to address immediate safety concerns, the student may be immediately removed from campus. The President and/or Vice President, Student Affairs has the discretion to call for a Team review when facing an extraordinary discipline and/or safety issue.

In addition to results of the preliminary investigation, factors the Vice President should consider, including, but are not limited to, the following:

- Is this student possibly a threat to the health, safety, and welfare of himself/herself and/or others? Why?
- Could this student benefit from additional psychological, physical, and emotional services? How?

- Does this student have a past history of disciplinary problems?
- Does the allegation include an altercation with another student or a member of the faculty or staff?
- Has the student already taken some action to apologize or take responsibility for the conduct?
- Has the student sought or is the student currently seeking outside help (i.e. private counseling)?
- Given the situation, is there adequate time for review by the Team?

The Vice President, Student Affairs should consider convening the Team anytime a student is immediately removed from campus. Such action would be especially important when the student engages in serious criminal activity or demonstrates threatening behavior that constitutes a clear and present danger to the physical and/or emotional wellbeing of the student and/or other students, faculty, and staff. In such cases, the Vice President will immediately suspend the student and remove her/him from campus for no more than ten school days pending a hearing (refer to the Temporary Suspension Procedures section).

### III. Composition of the Care Team

The Care Team membership will be as follows:

Position	Rationale
Vice President, Student Affairs	Responsible for campus safety and Student Code of Conduct
Campus Resource Officers, Davie & Davidson	Responsible for overall safety of the campus community
Director, Student Services, Davie Campus	Responsible for providing student development services at the Davie Campus
Early College Liaison, Davidson Campus	Responsible for Davidson Early College
Early College Liaison, Davie Campus	Responsible for Davie Early College
Faculty, EMS	Responsible for student instruction; expertise in responding to incidents.
Director, Student Activities & Evening/Weekend Programs	Holds evening hours and can respond to emergencies during that time
Executive Director, Marketing & Communications	Responsible for public relations
Mental Health Counselor	Responsible for providing mental health services to students

The Vice President, Student Affairs, at his/her discretion, may include additional staff or faculty with expertise in dealing with the perceived threat to the Team as needed. If a conflict of interest occurs or the appearance of a conflict of interest arises for any of the Team members, the Vice President shall appoint a substitute for that individual.

### IV. Notification to the Care Team and Student

After the Vice President, Student Affairs and the Campus Resource Officer(s) review a situation and decide that it warrants a review by the Team, it shall be the Vice President's responsibility to assemble the Team in accordance with the provisions of Section II. If the situation involves a Code of Conduct violation, the Vice President will make a reasonable effort to provide timely written notification of the charges to the student that includes requirements for cooperation with the investigation, and the Team's investigation will serve as due process.

Notification may be delivered by hand or through standard mail to the student. In the absence of a conduct violation, written notification to the student explaining that a Team has been assembled to evaluate the situation will be at the discretion of the Team. The Vice President shall provide the Team with:

6.1.14

- A full account (includes all relevant evidence) of the alleged concern or Code of Conduct violation.
- Factors for justifying a review by the Team.
- Any additional relevant information that would be useful to the Team to assist in their assessment.

#### **V. Role of the Care Team**

The role of the Team is to assist students in distress and help prevent situations of safety concern, either before or after a conduct violation has occurred, from becoming more serious. Specifically, the Team will:

- Review the alleged safety concern or Code of Conduct violation.
- Evaluate the student's behavior in light of the accumulated evidence.
- Provide appropriate recommendations to the President.
- Complete the assessment within five business days if the student has been removed from campus.

At its discretion, the Team will have full investigatory authority when reviewing the alleged concern or conduct violation and evaluating the student's behavior. If a conduct violation has occurred, the investigation serves as the student's due process. The Team has the right to:

- Interview the student.
- Interview all relevant witnesses.
- Interview any individual that the Team deems helpful in providing a proper assessment.
- If applicable, interview the accuser(s).
- Inspect any of the student's school records.

**NOTE:** The Team has a legitimate educational interest in the student's school records.

- Request the student to release medical records to the College.
- Request information from law enforcement regarding the student's criminal history.
- Request information from prior colleges the student has attended.
- If deemed necessary to the investigation, request the student to sign a waiver allowing elementary and secondary school records to be released to the College.

Nothing herein prevents the President and the Team from segregating multiple violations of the student Code of Conduct and/or reported concerns and proceeding with an investigation on violations/concerns that may be related to any alleged threatening behavior. For example, the Team may proceed with an investigation regarding alleged sexual harassment while analyzing other threatening behavior exhibited by the student.

#### **VI. Student Cooperation with the Care Team's Investigation**

The student shall fully cooperate with the Team and their investigation. A student's failure to cooperate with the Team in any way shall be considered by the Team and will be reflected in the Team's recommendation to the President. If the student's cooperation requested requirements for cooperation and consequences for failure to cooperate shall be stated in written communication to the student.

#### **VII. Recommendations by the Care Team**

Once the Team has concluded their investigation, the Team will report its findings and recommendations to the president. A written record should be kept of all proceedings. These recommendations may include:

- An opinion as to whether or not the student may constitute a threat to the health, safety, and welfare to himself/herself or others.
- A suggested Action Plan for the student, if any. An Action Plan may include, but is not limited to the following:
  - o Anger management counseling
  - o Psychological counseling
  - o Professional psychological assessment
  - o Waiver from the student allowing the release of the student's school records to local mental health authorities and/or law enforcement

- o Waiver from the student allowing the release of the student's health records and prior educational records to the College
- o Scheduled meetings with Student Affairs staff
- o In the case of a conduct violation, appropriate discipline sanctions, if any
- o Administrative withdrawal from the College
- o Hold on the student's application for admission or course request form.

6.1.14

The President reserves the right to disagree with the recommendations of the Team and implement other action consistent with the Code of Conduct and/or in the best interest of campus safety, as appropriate. In such a case, a revised recommendation report will be prepared by the Team and approved by the President. A copy of this recommendation report shall be included in the student's school records.

### **VIII. Use of the Care Team's Recommendations**

Once the Team has presented its report to the President and recommendations are finalized, the Vice President, Student Affairs or designee will have a meeting with the student and explain the Team's recommendations. At this meeting, for an alleged safety concern or Code of Conduct violation, the student will be given:

1. Written notification, of the investigation, findings, recommendations, and if applicable, discipline sanctions and the appeal process. Conditions under which the student may remain in good standing or return to campus and follow-up requirements will also be outlined.
2. If applicable and in accordance with the Team's recommendations, an agreement for signature by the student forgoing the right to a future hearing and all future appeals and bound by the Team's recommendations.

In the case of a safety concern absent a conduct violation, if the student does not voluntarily agree to the Team's recommendations, the Team may file the appropriate Code of Conduct charge and pursue the student discipline process.

### **IX. Review Period**

The Team shall meet at least once per semester, or more frequently when required, for one school year to monitor the progress of the student and create a written progress report after each meeting that will be included in the student's school records. If the student has been removed from campus, the student's record will be flagged and efforts will be made, to the best of the Team's ability and according to the availability of information, to monitor the student's progress and/or readiness to return to school. At the end of the one-year review period, the Team will decide if additional monitoring is necessary and for how long. Once additional monitoring is deemed unnecessary, the Team will create a final written progress report and include that report in the student's school records.

If a student agrees to be bound by the recommendations of the Team, and the student violates any of those recommendations, the violation will be treated as a violation of the Student Code of Conduct, and normal disciplinary procedures will follow.

**Source URL:** <https://www.davidsonccc.edu/catalog/student-support-services-campus-life/campus-security-and-safety>



## College Policies

### **LAST UPDATED:**

Jun 1 2014

## CODE OF CONDUCT

### **Preamble**

The members of this academic community share a belief in the freedom to learn. The College, therefore, has a duty to develop policies and procedures, which provide and safeguard this freedom. Many members of the College community helped to establish the policies and procedures outlined below within a framework of general standards. The purposes of the policies, regulations, and procedures listed on the following pages are to provide an academic environment that will promote quality educational outcomes.

Under these policies, regulations, and procedures, students are free to pursue their educational goals. The College has the right to establish standards of behavior for students that promote a safe learning environment. When evaluation of student behavior is necessary, the College commits to following due process, as outlined in the policies and procedures below, before imposing disciplinary sanctions. Admonition, warning, reprimand, and temporary suspension are sanctions that may be imposed without due process.

### **Definitions and Terms**

**Student:** A student is defined as any person applying to the College or currently enrolled in any course at any campus location and/or online, including high school students applying to DCCC programs or currently enrolled in DCCC coursework at any campus location and/or online. The College reserves the right to dismiss any student prior to his or her enrollment by rescinding that student's admission upon finding a cause to do so. Such a finding will be an administrative decision issued by the Vice President, Student Affairs or his/her designee. The College may proceed with unresolved charges under the Student Code of Conduct regardless of an individual's enrollment status.

**Conduct Officer:** Designated by the Vice President, Student Affairs, the conduct officer is a staff member in Student Affairs authorized to review alleged violations of the Student Code of Conduct, to impose sanctions upon students who have violated the Code, and to perform other duties as assigned related to Student Rights and Responsibilities. The Vice President may authorize several Conduct Officers and also serve as Conduct Officer.

**Danger to Self:** The individual has attempted or threatened suicide or expressed or acted in manner to reflect suicidal intent, and there is a reasonable probability of suicide unless adequate treatment is given; the individual has or attempted to mutilate him/herself or there is a reasonable probability of mutilation unless adequate treatment is given. A threat assessment may be issued in such instances.

**Danger to Others:** Within the relevant past, the individual has inflicted or attempted to inflict or threatened to inflict serious bodily harm on another, or has acted in such a manner as to create a substantial risk of serious bodily harm on another, or has engaged in extreme destruction of property; and there is a reasonable probability this conduct may be repeated. Previous instances of dangerousness to others, when applicable, may be considered when determining reasonable probability of future dangerous conduct. Cogent and convincing evidence that an individual has committed a homicide in the relevant past is evidence of dangerousness to others (from NCGS 122C-3(11)b). The individual has expressed or acted in a manner to reflect intent to harm others. The individual is involved in a serious drug offense as defined by the College or state and federal law.

**Threat:** A threat is defined as any conduct that presents a clear and present danger to self, others, or the campus community in general. In immediate and serious threatening situations, the President reserves the right to waive due process and act in the best interest of campus safety.

**Threat Assessment:** A threat assessment is a tool the College may use when facing an extraordinary discipline and safety issue. A threat assessment is a way to assess a student's particular physical, emotional, and psychological wellbeing and help that student receive the assistance needed in order to continue being a productive member of the campus community. The primary goal of the threat assessment process at DCCC is to provide early assistance to students in distress in order to ensure wellbeing and safety and help prevent situations of concern, either before or after a conduct violation has occurred, from becoming more serious.

### **General Policies**

1. The College believes that when students understand and take responsibility for their conduct and educational achievement they will more likely have a successful collegiate experience and achieve their personal goals. The College, in order to protect its educational purpose, has the right to discipline students who do not meet its standards of conduct. Disciplinary procedures, however, are not as important in developing responsible student conduct as counseling, guidance, example, and admonition. When such means fail to resolve problems of student conduct, certain procedures will be followed so that students will not have serious

penalties imposed upon them unfairly.

2. Procedural fairness is basic to the proper enforcement of all College rules. A student may not have an adverse notation written on any permanent record or a disciplinary sanction imposed except admonition, reprimand, warning, or temporary suspension unless the following procedures have been followed.

- a. The student has been informed of the charges against him or her.
- b. The student has an opportunity to appear before a designated College hearing officer.
- c. The student has the opportunity to know the nature of the evidence and to present evidence on his or her behalf.
- d. The student has the opportunity to file a petition of an appeal of the action.

3. The procedures for handling violations of College regulations are designed to assure due process, fairness, and prompt and objective review by third parties, with appropriate appeals procedures. There is a general intent to maintain confidentiality, to avoid unnecessary formality, and to resolve issues at the lowest possible level. Time limits listed in these procedures are guidelines to help ensure timely response. The College will make every attempt to meet those time limits. Some time limits may be exceeded in the attempt to ensure fairness and thoroughness.

4. Students shall have an opportunity to participate in the formulation of policies or rules relating to student conduct and in the enforcement of all such rules through the Student Government Association and through membership on College committees.

5. When a student has been apprehended for the violation of a law of the community, state, or nation, the College will not request or agree to special consideration for the student because of his status as a student. The College will cooperate, however, with the law enforcement agencies and other agencies in any reasonable program for the rehabilitation of the student. Though an offense may be the subject of legal action by civil authorities, the College is nonetheless free to initiate disciplinary action that may result in additional penalties.

6. The College may apply sanctions (penalties) or take other appropriate action when student conduct directly and significantly interferes with the College's (1) primary educational responsibility of ensuring the opportunity of all members of the College community to attain their educational objectives, (2) commitment to providing a safe learning environment, or (3) responsibility of protecting property, keeping necessary records, providing necessary services, and sponsoring non-classroom activities such as lectures, concerts, athletic events, and social functions.

7. A student who is involved in a Code of Conduct violation has the right to (1) review all information related to the case and ask questions, (2) respond to information and offer additional information related to the situation, and (3) present witnesses.

8. A student in the presence of a Code of Conduct violation and who is not actively involved has three choices: (1) leave the situation; (2) ask the student(s) to stop the behavior and/or leave the area; or (3) ask a College staff or faculty member for help. A student who does not choose any of these three options may be held responsible for the conduct violation.

9. In the event a conduct violation or student behavior concern poses a threat to the safety of individuals, college property or the continuity of college operations, a timely warning of the threat will be issued to the campus community through the College's mass notification systems.

## Code of Conduct

All students and staff, regardless of the location or delivery method of their services and classes, have the right to a safe, peaceful, and honest educational environment. Therefore, when in the judgment of College personnel a student's conduct disrupts or threatens to disrupt the College community, appropriate disciplinary action will be taken to restore and protect the safety, peace, and integrity of the community. This policy applies to conduct on College property or part of College sponsored activities. It applies as well to off-campus conduct when in the judgment of College personnel a student's conduct disrupts or threatens to disrupt the College community. Students are expected to conduct themselves according to generally accepted standards of scholarship and conduct. The purpose of the Student Code of Conduct is not to restrict student freedoms but to protect the rights of individuals in their academic pursuits. Therefore, students are prohibited from engaging in any conduct that materially and adversely affects the educational process including, but not limited to, the following:

1. Academic dishonesty.
2. Theft of, misuse of, or damage to College property, or theft of or damage to property of a member of the College community or a campus visitor on College premises or at College functions, on or off campus.
3. Trespass, including unauthorized entry or presence on the property of the College, including College computers, or in a College facility or any portion of it to which entry or presence is restricted.
4. Unauthorized possession, duplication, or use of keys to any College premises.
5. Violation of the Drug-Free Campus Policy.
6. Disorderly, lewd, or indecent conduct or materials on College premises, College computer systems, or at a College-sponsored or College-supervised function. Disorderly conduct includes but is not limited to: Any unauthorized use of electronic or other devices to make an audio or video record of any person while on College premises without his/her knowledge, or without his/her effective consent when such recording is likely to cause injury or distress. This includes, but is not limited to, surreptitiously taking pictures of another person in a gym, locker room, or restroom. Indecent materials are defined as publications or material that includes inappropriate language as defined by the College's Solicitation and On-Campus Employment Recruiting policy.

7. Mental or physical abuse of any person or any other such form of behavior on College premises or at College-sponsored or College-supervised functions, including communication in any form, (e.g. standard mail, electronic and digital media, or telephone), physical abuse, verbal abuse, threats, intimidation, harassment, sexual assault, stalking, coercion and/or conduct which threatens or endangers an individual's health, wellbeing, or safety.

6.1.14

#### **8. Violation of the No-Harassment and Consensual Relationship Policy.**

9. Excessive use of profanity; obscene and offensive language and conduct.

10. Sexual misconduct or inappropriate sexual behavior, both consensual and non-consensual, including but not limited to inappropriate displays of affection, sending graphic or sexually explicit materials through electronic and digital media, explicit behavior, **sexual harassment**, sexual assault, public sexual indecency, or indecent exposure on College property.

11. Intentional obstruction or disruption of teaching, administration, or disciplinary proceedings, or other College activities, including public service functions on or off campus, or of other authorized non-College activities when the conduct occurs on the College premises.

12. Occupation or seizure in any manner of College property, a College facility or any portion thereof for a use inconsistent with prescribed, customary, or authorized use.

13. Participating in or conducting an assembly, demonstration or gathering in a way that threatens or causes injury to person or property; which interferes with free access to, entering, or leaving College facilities; which is harmful, obstructive, or disruptive to the functions of the College; or remaining at the scene of such an assembly after being asked to leave by a representative of the College.

14. Possession or use of a weapon, as defined by State law, on College premises or at College-sponsored or College-supervised functions, as prohibited under N.C. Statute 14-269.2. This includes carrying a concealed weapon on campus or to a College-sponsored activity even though in possession of a valid permit. Exceptions may apply to on-duty law enforcement officers attending College classes or activities.

15. Issuing a bomb threat, setting off a fire alarm, or using or tampering with any fire safety equipment on College premises or at College-sponsored or College-supervised functions, except with reasonable belief of the need for such alarm or equipment.

16. Gambling on College premises or at College-sponsored or College-supervised functions.

17. Smoking and/or using other forms of tobacco products anywhere on College premises or in College vehicles.

18. Violation of College regulations regarding the operation and parking of motor vehicles.

19. Forgery, alteration, copyright violation, or misuse of College documents, records, computer software, computer equipment, or instruments of identification with intent to deceive or disrupt.

20. Failure to comply with instructions of College faculty and staff acting in performance of their duties, including willfully refusing or failure to leave the property of any building or other facility owned, operated, or controlled by the College when requested to do so by a College employee.

21. Failure to respond to a notice of conduct charges.

22. Acting as an accessory to a conduct violation or helping another individual commit a violation.

23. Violation of the terms of disciplinary probation, suspension, or expulsion or any College regulation during probation.

24. Fiscal irresponsibility such as failure to pay College-levied fines, failure to repay College-funded loans, or the passing of worthless checks to College personnel.

25. Violation of a local, state, or federal criminal law, which adversely affects the College community's pursuit of its proper educational purposes.

26. Hazing, defined as an act which endangers the mental or physical health or safety of a student, or which destroys or removes public or private property, for the purpose of initiation, admission into, affiliation with, or as a condition for continued membership in a group or organization. The express implied consent of the victim would not be a defense. Apathy or acquiescence in the presence of hazing are not neutral acts; they are violations of this rule.

27. Obstruction of the free flow of pedestrian or vehicular traffic on College premises or at College sponsored or supervised functions.

28. Any violation of North Carolina State Penal Law, including a charge of violation of the Penal Law, whether occurring on or off-campus, may be processed as a Code of Conduct violation. Code of Conduct proceedings may be carried out prior to, simultaneously with, or following civil or criminal proceedings.

**NOTE:** Certain programs such as Associate Degree Nursing and Basic Law Enforcement Training also have supplementary codes of conduct to which students within those programs must adhere.

#### **Code of Conduct Disciplinary Procedure**

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The Code of Conduct Disciplinary Procedure is used when students violate the disciplinary Code of Conduct, which can include in-class

- Students are given notice of the charges against them,
- Students have a hearing before the appropriate Student Conduct Administrator to share their perception of the events,
- Witnesses are interviewed,
- Sanctions as described in the General Catalog/Student Handbook can be applied, and
- An appeal process is delineated.

Any instructor or staff member may use his/her discretion to give a sanction of admonition, warning, reprimand, or temporary suspension to any student in violation of the Student Code of Conduct and who is disrupting the educational process. Other sanctions can only be imposed in accordance with the process called for under the Disciplinary Procedures.

1. Temporary Suspension Procedures: If an instructor or staff member determines that a student is in violation of the Student Code of Conduct and is disrupting the educational process, he/she may suspend the student from a course or the College until the Conduct Officer, or designee, can investigate the student's conduct. Temporary suspension is a substantial act carrying implications of a significant conduct violation and is thus different from dismissing a student for a day for disruptive behavior. Temporary suspension means that a student may not return to class until given permission by the College's Conduct Officer or designee and should be reserved for situations where the student's continued presence would be a substantial disruption to the learning environment or present an immediate danger to him/herself or others. Prior to suspension, the student(s) will be given the opportunity to explain his/her conduct to the instructor or staff member who is taking the suspension action. The College will make every effort to convene a hearing as quickly as possible.

2. The instructor or staff member invoking such suspension will file a Student Code of Conduct charge with the Conduct Officer or designee, within two working days following the temporary suspension. The Conduct Officer will resolve the matter in a timely manner using the steps outlined under Disciplinary Procedures.

3. Responsibility for Implementation: The Conduct Officer or designee, is responsible for implementing student discipline procedures.

4. Disciplinary Procedures: To provide an orderly procedure for handling student disciplinary cases, the following procedures will be followed:

- Charges: Any faculty or staff member, or student may file charges with the Conduct Officer or designee, against any student or student organization for violations of College regulations. The individual(s) making the charge should submit a written statement, which includes:

- a. Name of the student(s) involved;
- b. The specific violation of the Code of Conduct;
- c. A description of the incident(s), including the time, place, and date of the incident(s);
- d. Names of person(s) directly involved or witnesses to the incident(s);
- e. Any action taken that related to the matter. The statement of the charge should be forwarded directly to the Conduct Officer or designee.

- Preliminary Investigation and Decision: Within ten (10) working days after the charge is filed, the Conduct Officer, or designee will complete a preliminary investigation of the charge which will include a meeting with the student. During the meeting with the Conduct Officer the student will be confronted with the evidence against him/her and will be given the opportunity to respond.

- In instances where the student cannot be reached to schedule an appointment with the Conduct Officer or where the student does not respond to the notice of charges or refuses to cooperate, the student forfeits the right to a hearing. The Conduct Officer will proceed with an investigation, whether or not the student is present, and if the student is found to be in violation of the Code of Conduct, appropriate sanctions will be determined. A certified letter sent to the student's last known address will inform the student of the charges, the results of the Officer's preliminary investigation, the Officer's decision, and the appeals process.

- Within ten working days after the meeting with the charged student, the Conduct Officer will notify the student of his/her decision in writing. The Officer's decision will include a statement of the determination of whether the student violated the Student Code of Conduct.

5. If the Conduct Officer determines that the student has violated the student code, the decision will include:

- a statement of the specific provision(s) of the student code that the student violated;
- a statement of sanctions imposed;
- a statement of the student's right to appeal the decision and instructions regarding the appeals procedure.

6. If the Conduct Officer determines that the student did not violate a provision of the Student Code of Conduct, then the decision shall state that the charge has been dismissed.

• In instances where the student poses an immediate danger to self or others, the Care Team will be involved, and the process of the Team will serve as the student's disciplinary due process.

• In cases of sexual assault or harassment, the College reserves the right to contact law enforcement officials if necessary to ensure safety for the victim. Further, the College commits to evaluating and implementing changes to the victim's academic situation that may be necessary for ensuring safety. Additionally, victims will be referred to Family Services of Davidson County for assistive services.

## Sanctions

Student Code of Conduct sanctions or penalties are defined below. Any of these may be applied for any student applying to the College, enrolled full-time or part-time in any curricular, high school, continuing education, or College and Career Readiness programs of the College at any campus location or online, and to identifiable groups and organizations which are a part of the College community. Subsequent violations of the Code of Conduct will be grounds for the imposition of a more severe sanction.

Repeating an offense for which a sanction has been imposed will be grounds for the imposition of a more severe sanction.

Any student, staff, faculty member or other College employee may give any student or group an admonition, warning, or reprimand at any time without due process. Temporary suspension should be reserved for instances where the student presents an immediate danger to him/herself or others.

Parents/guardians of students under the age of 18 will be notified regarding the disciplinary sanctions listed.

Disciplinary sanctions are designed to educate students, guide future decision-making and deter further inappropriate behavior. Students found in violation of the Code of Conduct will be challenged to evaluate their behavior and reflect on their actions and the effects on the campus community.

## Individual Sanctions

**Admonition:** Friendly advice, counsel, criticism, or rebuke which may be given in oral or written form.

**Warning:** Oral or written notice that continuation of specified conduct may be cause for more severe disciplinary action.

**Reprimand:** Written criticism for violation of specified College policy or regulation.

**Temporary Suspension:** Exclusion from class and/or other privileges or activities as set forth in the notice, until a final decision has been made concerning the alleged violation.

**Restitution:** Paying for damaging, misusing, destroying or losing property belonging to the College, College personnel, or students.

**Other Sanctions:** Students may be required to complete other sanctions to develop skills needed for avoiding future conduct code violations. Examples of such sanctions include but are not limited to attending workshops, researching topics pertaining to the behavior that violated the Code of Conduct, engaging in community service, writing and sending a letter of apology, or attending counseling sessions with the Mental Health and Disability Services counselor.

**General Probation:** General Probation has two important implications: (1) the individual is given a chance to show his/her capability and willingness to observe the Student Code of Conduct without further penalty; and (2) if he/she violates the code again, additional sanctions will be imposed.

**Restrictive Probation:** Restrictive Probation results in loss of good standing and notation of this is made in the individual's record. Restrictive conditions may limit activity in the College community. Generally, the individual will not be eligible for initiation into any local or national organization and may not receive any College award or other honorary recognition. The individual may not occupy a position of leadership or responsibility with any College or student organization, publication, or activity. Any violation of Restrictive Probation may result in immediate suspension.

**Suspension from Campus Activities:** Exclusion from participation in designated student clubs, organizations, or activities for a specified period of time and/or loss of officer standing within a student organization.

**Suspension:** Exclusion from class(es), and/or all other privileges or activities of the College for a specified time. This sanction is reserved for those offenses warranting discipline more severe than probation or for repeated misconduct. Students who receive this sanction must apply for readmission before returning to campus. Suspended students are liable for all tuition and fees.

**Expulsion:** Permanently dismissing a student from campus. Expulsion is the most severe disciplinary sanction and shall be imposed only with the approval of the Vice President, Student Affairs. The student loses his/her student status and may not return to campus. The student may not be readmitted to the College. Expelled students are liable for all tuition and fees.

**Group General Probation:** This is given to a College club or other organized group for a specified period. If group violations are repeated during the term of the probation, the charter may be revoked or activities restricted.

**Group Restrictive Probation:** Removing College recognition during the semester in which the offense occurred or for a longer period. While under restriction the group may not seek or add members, hold or sponsor events in the College community, or engage in other activities as specified.

**Group Charter Revocation:** Removal of College recognition for a group, club, society, or other organization. Recharter after that time must be approved by the President or his/her designee.

## Appealing Disciplinary Decisions

Students are entitled to a fair review of disciplinary decisions made by the Conduct Officer. Appeals should follow the College's General Complaint Policy beginning with Step 2.

**Source URL:** <https://www.davidsonccc.edu/catalog/college-policies>

## **General Complaint Policy**

### **LAST UPDATED:**

Jun 1 2014

To file complaints regarding Davidson County Community College's operations, policies, procedures, or to seek appeals for decisions made regarding admission to the College, financial aid, academic suspension, code of conduct or other matters, follow the resolution process below.

For grade appeals, see the [Appeal of Final Course Grade policy](#). For harassment, see the [No Harassment policy](#).

The College values prompt resolution of complaints/appeals. Individuals are encouraged to raise a complaint/appeal within five (5) workdays following the event or decision giving rise to the complaint on a matter. A work day is defined as any day the College is in operation as specified in the College calendar.

### **Process for Complaint Resolution**

#### **Step One**

Typically, most complaints can be resolved informally through communication between the individual and appropriate College personnel. As a first step, the individual should meet with the College employee with whom the individual has a complaint or dispute. Should that not be appropriate or feasible, the individual should meet with the employee's supervisor. In the meeting, the individual should identify the complaint and the specific action being sought to resolve it. In a situation where the complaint does not concern a specific employee, the individual should contact the College employee with administrative responsibility for the policy, procedure, or operation at issue. Every reasonable effort should be made to resolve the matter informally and in a timely manner. Should that not be possible or appropriate, the individual may proceed to Step Two.

#### **Step Two**

If the complaint cannot be resolved through the process described in Step One, the individual should file a written complaint/appeal with the appropriate vice president or executive director within 5 work days following the conclusion of Step 1. If the complaint/appeal directly involves a vice president or executive director, the President will designate some other member of the administration to receive and hear the Step Two complaint/appeal.

The letter shall identify:

- the name of the individual filing the complaint/appeal,
- a concise statement of the nature of the complaint/appeal,
- reasons for dissatisfaction with the decision from step one/decision from other process, and
- the specific action or resolution sought by the individual.

The following individuals from Student Affairs are available to assist individuals with writing a complaint/appeal:

- Director, Student Services, Davie Campus
- Dean, Student Success

After receiving the letter, the administrator will:

- review the complaint/appeal,
- interview the parties, as necessary,
- offer to call a hearing to gather additional information, and
- issue a resolution.

Within 10 workdays of receiving the complaint/appeal, the administrator will provide a written decision on the complaint/appeal to the individual or call a hearing. This time limitation may be extended by mutual agreement. If a hearing is called, the administrator will contact the individual to arrange a date.

#### **Hearing**

If a hearing is deemed necessary, the individual and College may each, if they choose, be accompanied at the hearing by legal counsel. The individual must notify the College in advance of his or her wish to be accompanied by legal counsel. The individual and College may present evidence in the form of documentation and/or witness testimony. The administrator reserves the right to set reasonable limitations

as to the length of the hearing.

Within 10 workdays following the hearing, the administrator will provide a written decision on the complaint/appeal to the individual. This time limitation may be extended by mutual agreement. All documents considered at Level Two shall constitute the record of the complaint/appeal. <sup>6.1.14</sup>

### **Step Three – Final Appeal**

If the individual is not satisfied with the decision of the administrator at Step Two, the individual may appeal that decision to the President. The appeal shall be in writing and delivered to the President within 5 workdays of the individual's receipt of the administrator's written decision from Step Two. The final appeal shall include

- the written complaint/appeal described in Step Two,
- a concise explanation of the basis of the final appeal, and
- the action/resolution being sought.

The President will review the record from Step Two, interview parties as necessary, and issue a decision. The President's review will be based upon the record of the complaint/appeal. The president, may, in his or her discretion, request the parties to give a brief written or oral summary of their contentions if deemed necessary to understanding the facts/issues in the case. The President's decision is final and shall be made in writing to the parties within 10 workdays. This time limitation may be extended by mutual agreement.

## **General Provisions**

### **Time Periods and Limitations**

Reasonable efforts shall be made by all parties to expedite the complaint/appeal process. If there is no mutual written agreement to extend the time limits, and if a complaint/appeal is not taken to the next step within the specified time period of this policy, the right of the individual to further appeal is terminated.

### **Complaint Log**

Davidson County Community College maintains a comprehensive record of all written complaints/appeals. Vice Presidents and Executive Directors are responsible for ensuring that all written complaints/appeals filed in their respective areas are documented in the College's electronic Complaint Log. The College uses the complaint log to assess complaint/appeal patterns for indications of institutional policy, process, or quality issues. The following information regarding complaints/appeals is recorded in the Complaint Log:

- date of receipt,
- individuals involved in resolving the complaint,
- category of the complaint,
- summary of the complaint/appeal with general details and
- final resolution.

The Complaint Log is protected to ensure the maintenance of privacy and confidentiality. Informal complaints are not documented in the Complaint Log.

**Source URL:** <https://www.davidsonccc.edu/catalog/college-policies/general-complaint-policy>



## **General Student Policies**

### **LAST UPDATED:**

Jun 1 2014

### **Cell Phones and Other Electronic Devices**

Classrooms should be free of all unnecessary distractions from the task of learning. Therefore, as a general rule, students should silence all personal devices not being used for coursework prior to entering the classroom. Please consult individual course syllabi for specific policies related to the use of electronic devices in the classroom, as they may vary depending upon the nature of the course or the guidelines of the instructor.

### **Inclement Weather**

In compliance with Title 23 of the North Carolina Administrative Code, Section 02C.0210, the following policy outlines the policy and procedures for closing or delaying the College schedule due to inclement weather or other events disrupting normal operations.

#### **Closing of College**

In case of inclement weather, the President or authorized representative may close one of the campuses, or begin classes at a later hour. Announcement of College or campus closings or delayed starting times will be announced on local television stations (hopefully by 6 a.m.), the College website ([www.davidsonccc.edu](http://www.davidsonccc.edu)), and College phone system (336.249.8186). In the absence of such an announcement, the College will be open as usual.

In situations involving inclement weather, natural disasters, or other events that result in the cancellation of curriculum or continuing education classes, the College will implement a plan for rescheduling, making-up or adjusting instruction.

An announcement concerning the cancellation of night classes will be made by 4 p.m. Cancellation of day classes will not mean that night classes are also canceled. A separate cancellation announcement will be made unless the early morning announcement specifically states that night classes are canceled. In the absence of a cancellation announcement, night classes will be held as scheduled.

#### **Inclement Weather Procedures**

Assumptions:

1. President's staff and designated other staff will evaluate weather reports, road conditions and campus preparedness to make decisions regarding the closing of the College, cancellation of classes or delayed opening.
2. College faculty and staff will use their personal judgment in determining if weather conditions permit their safe travel to work.
3. The College reserves the right to designate specific faculty or staff as essential personnel whose functions are vital to key operations of the College such as physical plant services and administrative services with deadlines that must be met regardless of weather conditions. Employees will be informed of their status as essential by their supervisor or College officials as circumstances deem appropriate. Essential personnel may be assisted in getting to the campus via use of a College vehicle only.

Media Messages:

It should be noted that each television station applies unique constraints to what can be broadcast regarding inclement weather closings and delays. Often the message broadcast is different from the message the College delivered. It is recommended that employees check two different sources to confirm a consistent message, including media, College website, and phone system. In order to reduce the level of confusion, one of the following will be specified: open, closed, or delayed opening.

1. No public media announcement will be made if the College will be open and classes will be held as scheduled. Every effort will be made to include an announcement on the College website and on the telephone automated attendant about the decision to go forward with classes either day, evening, or both.
2. If the decision is made not to hold classes, the message "**College Closed**" (some stations may use "Classes Canceled") will be followed by one of the following:
  - "...Employees follow Plan A" – only designated essential personnel should report. This will be used when conditions are generally poor throughout the area. Non-exempt personnel designated as essential personnel are entitled to overtime pay or compensatory time as outlined in the Faculty/Staff Handbook. Essential personnel unable to report to work are required to take

annual leave or compensatory time.

- "...Employees follow Plan B" – This will be an "Optional Employee Work Day." College will be open to faculty and staff. This announcement will be used when conditions are judged to make travel possible for a significant number of staff, but when driving conditions will probably result in low student attendance.

- o Faculty are not required to report unless requested by supervisor.
- o Staff who are able to travel safely should report to work as soon as possible.
- o Staff who cannot make it to work should contact their supervisor and arrange to take vacation leave.

3. Delayed Opening: "College will open at \_\_\_\_\_ (a.m./p.m.)"

- Faculty should report before or by starting time of their next class after College opens.
- Staff report by the announced opening time.
- Faculty and staff contact supervisor if unable to make next class or opening time.
- Faculty and staff deciding not to report will take vacation leave.

## **Procedure for Rescheduling, Making-up or Adjusting Instructional Time**

### **Adjusting Instructional Time**

1. If the census date (date class has met 10% of total class days) was reached prior to missed day(s), no adjustment in the date is necessary.
2. If the class has met at least once prior to the original census date but the census date has not been reached prior to the missed day(s), the College will apply one of two options:
  - Use original census date
  - Recalculate census dates based on revised class schedule
3. If the class has never met, the College will recalculate the census date based on the new class schedule.
4. Documentation of any adjustments to census dates will be attached to each official class attendance roster.

### **Making Up Missed Instructional Time**

Missed instructional time will normally be made up using one or more of the following or similar methods approved by the appropriate Dean:

- Reschedule class time
- Schedule individual student or small group conferences
- Require extra assignments
- Provide handouts such as lecture notes to cover missed content

The Makeup of Lost Instructional Time form, which is located in the Forms section on the College Intranet, will be used to document the method used for making up lost instructional time. The completed form will be attached to the official class roster.

## **Religious Observance Policy**

In compliance with 23 N.C.A.C. 02C.0213, "School Absence for Religious Observances," Davidson County Community College authorizes two absences from classes each academic year for religious observances required by the faith of the student. For the purposes of this policy, an academic year begins on the first day of fall classes in August and ends on the last day of summer classes in July each year. Absences due to religious observance are in addition to allowed absences set forth by instructors in course syllabi.

Students requesting absence from class for religious observance must complete a Request for Religious Observance Absence form and obtain approval from the Student Records Office in the Student Success Center at least two weeks prior to the date of the absence. Students who miss class for religious observance will be granted the opportunity to make up work missed due to the absence.

## **Communicable Disease Policy**

It is the objective of the College to promote good health and safety of employees and students and to prohibit discrimination against persons afflicted with "Communicable disease" shall be defined as an illness due to an infectious agent or its toxic products which is transmitted directly or indirectly to a person from an infected person or animal through the agency of an intermediate animal, host, or vector, or through the inanimate environment (N.C. Gen. Stat. Section 130A-2). For purposes of this policy, the following are examples of communicable diseases (list is not all-inclusive):

## CLASS A

- Anthrax
- Meningitis
- Chicken pox
- Pertussis (Whooping Cough)
- Conjunctivitis
- SARS
- Hepatitis A
- Small pox
- H1N1
- Tuberculosis
- Influenza
- Measles
- Infectious Mononucleosis
- Other conditions that can be transmitted through casual contact

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## CLASS B

- Acquired Immune Deficiency Syndrome (“AIDS”) or AIDS-related complex
- Hepatitis B or C
- Human Immunodeficiency Virus (“HIV”)
- Other conditions that can be transmitted through exchange of bodily fluids, shared needles, sexual intimacy, or other non-casual means

Any employee with a Class A condition must promptly notify the Human Resource Services office and any student with a Class A condition must promptly notify the Vice President, Student Affairs so that appropriate arrangements can be made for the protection of the individual as well as his/her co-workers or fellow students. The College will make every effort to accommodate employees and students with Class A communicable diseases as appropriate under the circumstances.

Employees and students with Class B conditions are not required to notify the College unless necessary for a particular assignment or assignments (e.g., a job or class that entails a risk of exchange of bodily fluids) or unless required by law. In the event of disclosure of a Class B condition to Human Resource Services or the Vice President, Student Affairs, the College will make every effort to accommodate the employee or student as appropriate under the circumstances.

For all communicable diseases, whether Class A or Class B, the infected student or employee is expected to behave responsibly and in a manner that will protect others. Employees and students with communicable diseases who are physically able to perform, and who do not pose a risk to themselves or others, may continue to work, attend classes, and perform other activities without restriction.

It is the policy of the College to comply with all state and federal laws relating to the protection of qualified persons with a disability or handicapping condition. The College will make every effort to ensure that individuals considered handicapped by a communicable disease who are employed by the College or admitted to the College as students are afforded all the rights and privileges of these laws. However, it is not discriminatory action under North Carolina law to fail to hire, transfer, promote, or discharge, nor enroll or withdraw from enrollment a handicapped person because the individual has a communicable disease in which the risk of contagion cannot be eliminated by reasonable accommodation.

Persons with communicable diseases are expected to seek expert medical advice and are encouraged to advise local health authorities. Local health authorities can offer counseling to these persons about measures which can be taken to prevent the spread of infection and about ways to protect their own health.

Any information disclosed by a student or employee about a communicable disease will be kept strictly confidential and disclosed only to those individuals with a legitimate need to know. Such information will not be used in a manner that violates any applicable laws.

Unless otherwise required by federal or state law, no person, group, agency, insurer, employer, or institution will be provided medical information without the prior specific written consent of the individual. All medical information relating to communicable diseases will be maintained in accordance with the Family Education Rights and Privacy Act of 1974 (FERPA), as amended.

## Children on Campus

This policy applies to all who come to campus, including visitors, College employees, and registered students. Davidson County Community College strives to provide a comfortable learning environment for adults pursuing higher and/or continuing education; therefore, it is typically not appropriate for young children to participate in learning opportunities provided by the College such as workshops, orientation, classroom instruction, labs etc. However, the College does recognize that in certain circumstances children will accompany other students, visitors, and/or employees to the campus or a DCCC event.

For the purpose of safety and to avoid disruptive behavior, children accompanying students, visitors, or employees of DCCC must constantly be supervised by a responsible adult while on College property or while attending an off-campus class or other DCCC event. Children and any other persons

not registered for a class are not allowed in laboratories or classrooms at any time, at any campus or off-campus site unless authorized by an instructor or staff member. The individual who makes the decision to bring a child to the campus or DCCC sponsored event should be

aware and respectful of the needs others have for a quiet educational and work setting and should adhere to the following:

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1. Children must not be left unattended in any area of the College. DCCC employees cannot assume supervisory responsibility of unattended children.
2. The College assumes no responsibility or liability for children, nor for any accidents or injuries incurred by children, in any unsupervised situation not approved by the college administration.
3. For the purposes of this policy, the terms “child” or “children” mean any youth under the age of 18 not enrolled in a college course, whether or not such youth is the offspring of the person whom he or she accompanies.
4. Employees are expected to provide for the care of their children away from the work site. In emergency situations, if it is necessary for the employee to bring a child to the workplace during working hours, the employee’s supervisor must approve.
5. Children accompanying employees, students, or visitors are not permitted in classrooms, labs, or shops while instruction is being delivered, without the expressed permission of the instructor. College syllabi will include notice of this policy.
6. Persons wishing to patronize DCCC services to the public (cosmetology, esthetics, etc.) may be refused service if accompanied by a child who will be unattended during the time the patron is receiving services. College staff will not be expected to provide supervision of such children.
7. If a child is found to be disruptive while the student/responsible adult is attending a class, workshop, orientation, or other DCCC event, the student/responsible adult may be asked to step out of the event with the child.
8. If a child is found or identified as “unattended”, Campus Security should be notified. A Campus Security officer will locate the parent (or the adult responsible for the child), and inform him/her of the College’s rule regarding unattended children. The parent/responsible adult will be asked to assume direct supervision of the child(ren) at that time.

A violation of this policy may result in appropriate disciplinary action.

### Animals on Campus

It is important for all members of the campus community to feel safe and secure on campus. Therefore, animals and pets are not permitted on property owned or leased by Davidson County Community College, on campus grounds, in facilities, or in vehicles on the property of the campus. Animals that are part of instructional activities in any class and service animals are the only exceptions to this policy.

Students in violation of this policy will be in violation of the student Code of Conduct. In the case of faculty or staff, violations shall be reported to the appropriate supervisor to initiate corrective action.

**Service Animals** – Service animals are defined as dogs that are individually trained to do work or perform tasks for people with disabilities. Examples of such work or tasks include guiding people who are blind, alerting people who are deaf, pulling a wheelchair, alerting and protecting a person who is having a seizure, reminding a person with mental illness to take prescribed medications, calming a person with Post Traumatic Stress Disorder (PTSD) during an anxiety attack, or performing other duties. Service animals are working animals, not pets. The work or task a dog has been trained to provide must be directly related to the person’s disability. Dogs whose sole function is to provide comfort or emotional support do not qualify as service animals under the ADA.

### Solicitation and On-Campus Employment Recruiting Policy

Solicitations are defined as attempts to address all or portions of the College community to express social, political, religious, or other views; to disseminate written materials; to request, accept, or collect donations or contributions for a particular cause; or to gather information (other than information gathered for College use) through focus groups, surveys, or other means. Access to the campus will not be denied due to a speaker’s beliefs, point of view, or the content of the speech. Employers wishing to recruit DCCC students for employment are also frequent visitors to campus, and processes are in place to guide those visits.

Below are the rules that govern solicitations and on-campus employment recruiting:

#### Elected Officials

Current elected officials at the local, state, and federal levels may hold town hall meetings and other generally accepted public forums for the purpose of communicating with and serving constituents. These events are subject to regular campus operating hours and room availability and must be scheduled accordingly through the scheduling coordinator for the desired location.

#### Political Candidates

The following schedule and designated locations have been established by the College for solicitation events by political candidates:

Monday-Friday	8:00 a.m.-7:00 p.m., 2-hour block per event
Davidson Campus	Gee Gazebo, Courtyard Fountain, Conference Center (right of the building), Brooks Student Center Lobby, Love Learning Resources Building walkway (left of the courtyard door when facing it)

Davie Campus	Patio area behind Administration Building
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Political candidates wishing to address the campus community in a public forum on any property owned, leased, or operated by the College must contact the External Affairs office ([extaffairs@davidsonccc.edu](mailto:extaffairs@ davidsonccc.edu)) to request a visit. Visits will be scheduled no less than seven business days from the date of the initial contact. Candidates must complete and return the request form to the External Affairs office seven business days prior to the desired visit date. Candidates may not arrange a visit more than two weeks in advance. The External Affairs office will respond to the request in writing within five business days of receiving it. Once a solicitation event is approved, the candidate must read, sign, and submit the solicitation agreement form to the External Affairs office prior to the visit.

See the final section of this policy, Additional Information for Political Candidates and Groups External and Internal to Campus, for complete rules about visits to campus.

#### **Other Individuals/Groups External to Davidson County Community College**

The following schedule and designated locations have been established by the College for solicitation events by those external to the College:

Monday-Friday	8:00 a.m.-7:00 p.m., 2-hour block per event
Davidson Campus	Gee Gazebo, Courtyard Fountain, Conference Center (right of the building), Brooks Student Center Lobby, Love Learning Resources Building walkway (left of the courtyard door when facing it)
Davie Campus	Patio area behind Administration Building

Individuals or groups external to the College wishing to address the campus community in a public forum on any property owned, leased, or operated by the College to provide goods or services, collect donations and contributions, gather information, or otherwise solicit as defined by this policy must complete a request form and submit it the External Affairs office ([extaffairs@davidsonccc.edu](mailto:extaffairs@ davidsonccc.edu)) to request a visit. Visits will be scheduled no less than seven business days from the date of the initial contact. A responsible group representative must complete and return the request form to the External Affairs office seven business days prior to the desired visit date. Groups may not arrange a visit more than two weeks in advance. The External Affairs office will respond to the request in writing within five business days of receiving it. Once a solicitation event is approved, a responsible group representative must read, sign, and submit the solicitation agreement form to the External Affairs office prior to the visit.

See the final section of this policy, Additional Information for Political Candidates and Groups External and Internal to Campus, for complete rules about visits to campus.

#### **Other Individuals/Groups Internal to Davidson County Community College**

The following schedule and designated locations have been established by the College for solicitation events by those internal to the College:

Monday-Friday	8:00 a.m.-7:00 p.m., 2-hour block per event
Davidson Campus	Gee Gazebo, Courtyard Fountain, Conference Center (right of the building), Brooks Student Center Lobby, Love Learning Resources Building walkway (left of the courtyard door when facing it)
Davie Campus	Patio area behind Administration Building

Individuals or groups internal to the College wishing to address the campus community on any property owned, leased, or operated by the College to provide goods or services, collect donations and contributions, gather information, or otherwise solicit as defined by this policy must complete a request form and submit it to the appropriate office at the College: the Student Affairs office will accept student request forms and the Human Resources office will accept request forms from faculty/staff. The offices will respond to the request in writing within five business days of receiving it. Once a solicitation event is approved, the candidate must read, sign, and submit a solicitation agreement form to the designated office prior to the visit.

See the final section of this policy, Additional Information for Political Candidates and Groups External and Internal to Campus, for complete rules about visits to campus.

## On-Campus Employment Recruiting

Employers wishing to recruit DCCC students for employment must contact Career Services staff at 336-249-8186 ext. 6245 or [cs@davidsonccc.edu](mailto:cs@davidsonccc.edu) to arrange a visit. Visits will be scheduled no less than seven business days from the date of the initial contact. So that a quality experience can be arranged, employers must read, sign, and return a recruiting agreement form to the Career Services office seven business days prior to the scheduled visit. The College reserves the right to decline recruitment requests at its discretion. Operating guidelines for recruitment visits are listed below:

Recruiters will:

- Check in at the reception desk in the B. E. Mendenhall, Jr. Building lobby upon arrival.
- Wear a campus visitor badge during the entire visit.
- Recruit only during time periods scheduled.
- Remain located in the scheduled designated area.

Recruiters may:

- Provide company literature (general information, annual reports, facility pictures, etc.).
- Use appropriate displays (including pictures, self-provided multimedia equipment, or product samples, etc.).
- Set up on-campus interview times, if needed, by contacting Career Services at ext. 6245.

Recruiters may not:

- Schedule on-campus recruitment dates for pyramid-type organizations and/or organizations that charge a fee (certification or licensing fee, equipment purchase, initial investment in the company, etc.).
- Distribute material on campus in locations other than those designated by the College.
- Give free gifts to students. (Company logo items such as pencils, pens, key chains, etc., are permissible.)
- Solicit donations or sell merchandise.
- Leave designated area to recruit in other areas of the campus.
- Harass students (using any means of coercion to stop students who do not volunteer to talk with recruiter).

### Additional Information for Political Candidates and Groups External and Internal to Campus

Due to space limitations and close proximity to other businesses, activity is not permitted at the Thomasville Education Center, the Uptown Lexington Center, or the Davie Education Center.

Designated space will be reserved on a first-come, first-served basis as long as the visit does not conflict with a previously scheduled campus event and the area is not temporarily deemed inaccessible or unsafe due to weather conditions or construction.

While posters, flyers, signs, and banners will not be screened for viewpoint, the College shall designate locations for distribution or display of such posters, flyers, signs, and banners. The College shall further prohibit the distribution or display of any publication or material that (a) is vulgar, indecent, or obscene; (b) contains libelous statements, personal attacks or abusive language such as language defaming a person's character, race, religion, ethnic origin, gender, family status, or disability; (c) causes or clearly threatens to cause a material and substantial disruption of a school activity; (d) encourages the commission of unlawful acts or the violation of lawful school regulations; or (e) contains information that is inaccurate, misleading or false. "Obscene" describes any speech or work that the average person, applying contemporary community standards (as opposed to "national standards"), would find, taken as a whole, appeal to prurient interest; or that depicts or describes, in a patently offensive way, sexual conduct specifically defined by applicable law; and that, taken as a whole, lacks serious literary, artistic, political or scientific value. "Libelous Statement" is defined as statements which are false and unprivileged statements about a specific person that injure that person's reputation in the community. Any failure to comply with the terms and conditions of this policy shall result in immediate removal of the poster, flyer, sign, and/or banner. The allowance or removal of the display of material under this policy does not imply approval or disapproval of the material's contents by the Davidson County Community College, its Administrators, the Davidson County Community College Board of Trustees or the Davidson County Community College Foundation.

Those who are approved to conduct an event on any property owned, leased, or operated by the College must comply with the guidelines listed below:

Groups or individuals will:

- Complete a solicitation agreement form and submit it to the appropriate office prior to the scheduled visit.
- Check in at the reception desk in the B. E. Mendenhall, Jr. Building lobby upon arrival.
- Wear a campus visitor badge during the entire visit. Students, faculty, and staff must wear their campus ID badge.
- Speak only during time periods scheduled.

- Remain located in the scheduled designated area.

Groups or individuals may:

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- Distribute written materials by hand at the designated time and place of the solicitation event as approved by the appropriate office through the solicitation agreement form. Distribution of written materials will not be denied solely on the basis of content or viewpoints expressed therein. Groups distributing written materials will be billed by the College for cleanup costs associated with the distribution.
- Solicit, accept, or collect donations or contributions for not-for-profit activities only at the designated time and place of the solicitation event as approved by the appropriate office through the solicitation agreement form.
- Display written or other visual materials on designated community bulletin boards only. Materials may be posted on the day of the solicitation activity and remain posted up to one day following the event.

Groups or individuals may not:

- Use sound amplification or generate noise to the level that it disrupts the learning environment or normal College operations.
- Communicate racial epithets, sexual comments, etc. or other language that may evoke violence.
- Advocate illegal conduct that directs, incites, or produces imminent lawless action.
- Touch, strike, or impede the progress of pedestrians, except for incidental or accidental contact, or contact initiated by a pedestrian.
- Photograph or audio or video record any faculty, staff, or student without first obtaining written permission from the person.
- Engage in disruptive or disorderly conduct that is reasonably likely to cause a disruption in the learning environment or normal College operations.
- Damage, destroy, or steal College or private property.
- Possess or use firearms, explosives, or other weapons as defined by the College's weapon's policy.
- Possess, be under the influence of, or sell illegal drugs.
- Obstruct free flowing pedestrian or vehicular traffic.
- Distribute written material on campus through the College's intercampus mail system.
- Display written or other visual materials on any surface other than designated community bulletin boards.
- Leave the designated area to solicit in other areas of the campus.
- Harass students, faculty, and staff (using any means of coercion to stop individuals who do not volunteer to engage in the solicitation).
- Canvass, sell, offer for sale, or promote the sale or advancement of goods or services. (Applies to external groups only; DCCC students, faculty, and staff must obtain approval.)

## Alcohol and Drug-Free Campus Policy and Assistance

Davidson County Community College is committed to a drug-free environment. The unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance, paraphernalia, or alcohol are prohibited on College premises and at any College-sponsored activities. Lawful consumption and possession of alcohol is also prohibited with the exception of catered use at special College or Foundation events as per **DCCC Conference Center Policy**.

If any student is found in violation of the College policy or convicted of violating any criminal drug or alcoholic beverage control statute while on College premises or at any College-sponsored activity, he or she will be subject to disciplinary action up to and including expulsion. Additionally any student found in violation of this policy may be subject to punishment to the full extent of the law under applicable local, state and federal law. It is further noted that the use of illegal substances poses a serious health risk including but not limited to severe reactions and death. Records of student drug and alcohol violations are maintained in the Office of Campus Safety and Community Standards; records of employee drug and alcohol violations are maintained in the Human Resource Services Office.

Students needing assistance for any reason related to the use of drugs, including alcohol, should contact a member of the DCCC Student Affairs staff, who will act as a referral source to an appropriate human services agency.

Twice per academic year, the College conducts drug and alcohol abuse programming open to all members of the campus community. Typical programming includes speakers (from law enforcement, health or counseling agencies) or demonstrations of the effects of drug and alcohol use.

## Emergency Messages

College staff members do not have instant access to classrooms, instructors, or students. Students are encouraged to inform family and friends of alternate ways to be contacted while on campus. If other methods of contact are not available or not successful, College staff will

only attempt to deliver emergency medical messages to students and employees who are not allowed to give information regarding a student's schedule, presence on campus, or delivery status of the message. Callers should dial 336.249.8186 for the Davidson Campus and 336.751.2885 for the Davie Campus. Campus visitors must go to the reception desk in the B.E. Mendenhall, Jr., Building on the Davidson Campus and to the reception area in the Laboratory Building on the Davie Campus for assistance.

## **No Harassment Policy**

Davidson County Community College is committed to maintaining a learning and working environment that is free from discrimination and in which students and employees at all levels can devote their full attention and best efforts to their studies and their jobs. Harassment of any kind has no place in the College environment. The College does not authorize and will not tolerate any form of harassment based on the following factors: race, sex, national origin, disability, religion, or any other characteristic that is protected by law. This policy applies to all students, to faculty and staff, and even to non-employees such as visitors, vendors, etc., who harass College students or employees (including volunteers), or campus visitors. Examples of "harassment" covered by this policy include offensive language, jokes, or other physical, verbal, written, or pictorial conduct relating to the student's or employee's sex, race, religion, national origin, age, disability, or other factor protected by law that would make a reasonable person experiencing such behavior feel uncomfortable or would interfere with the person's studies or work performance. The examples are just that - examples. It is impossible to list every type of behavior that can be considered harassment in violation of this policy. In general, any conduct based on these traits that could interfere with an individual's studies or work performance or could create an offensive environment will be considered harassment in violation of this policy. This is the case even if the offending person did not mean to be offensive. It is essential that members of the College community be sensitive to the feelings of others.

### **Sexual Harassment**

Sexual harassment (whether opposite-sex or same-sex) is strictly prohibited. Examples of the types of behavior that are considered sexual harassment in violation of this policy include:

- Sexually offensive jokes or comments.
- Physical assaults or other touching that is sexual in nature.
- Promising favorable treatment or threatening unfavorable treatment based on the student's or employee's response to sexual demands.
- Displays of sexually oriented reading materials or pictures, including electronic material.
- Punishing a student or employee for complaining of sexual harassment.

### **Harassment Based on Race, Sex, National Origin, Age, Disability, or Religion**

Harassment based on these other traits deserves special mention and is also strictly prohibited. Examples of the types of behavior that will be considered based on these characteristics include:

- Jokes or negative comments about these characteristics.
- Displays of reading materials or pictures containing negative material about these characteristics including electronic materials.
- Vandalism or "pranks" based on these characteristics.
- Name-calling based on these characteristics.
- Punishing a student or an employee for complaining of these types of harassment.

### **Consensual Relationship Policy**

Consensual relationships are not absolutely prohibited by the no-harassment policy; however, because of the potential for misuses or the perception of misuse of authority, certain consensual relationships are prohibited. Anyone who violates this policy will be subject to discipline up to and including immediate termination of employment. All faculty and staff members are prohibited from having an intimate amorous relationship with any student who is under the academic supervision of that faculty or staff member. Both the fact and the appearance of such a relationship must be avoided. Academic supervision includes supervising, tutoring, providing guidance to or working with a student in any capacity, either directly or indirectly in the classroom, outside the classroom, or as a work-study student. Academic supervision also includes counseling, advising a student or student group, in a formal or informal capacity, and participating in award, grant, or scholarship decisions. An intimate amorous relationship includes a romantic and/or sexual relationship between members of the same sex or members of the opposite sex. A relationship that is not consensual is governed by the College's no-harassment policy. Under no circumstances may a faculty or staff member have an intimate amorous relationship with any student who is a minor. This prohibition applies whether or not the relationship is consensual and whether or not the student is under the academic supervision of the faculty or staff member. A minor is anyone under the age of eighteen. A faculty or staff member who is aware that he or she is violating this policy or who is aware that he or she may appear to be violating this policy is encouraged to consult immediately with the appropriate supervisor to discuss a means of resolution.

### **Reporting Procedures**

The College cannot resolve matters that it does not know about. Every student and employee has a duty to immediately report harassment or violations of the consensual relationship policy so that the College can try to resolve the situation. Harassment or violations of the consensual relationship policy should be reported when:



- An individual feels that he/she has been harassed or subject to a violation of the consensual relationship policy
- An individual has knowledge of someone else being harassed or being subjected to a violation of the consensual relationship policy.

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This is true in cases of harassment whether the alleged harasser is a student, faculty, staff, or even a non-employee, such as a customer or vendor with whom the College does business.

To report harassment or violations of the consensual relationship policy: Students must contact the Vice President, Student Affairs, at 336.249.8186, extension 6311; room 210, J. Bryan Brooks Student Center. Employees must contact Human Resources at 336.249.8186, extension 6200; room 118, B. E. Mendenhall, Jr., Building. These individuals have been trained to respond appropriately to such reports. Once a report has been received, the College will:

- Conduct a prompt and thorough investigation
- Contact law enforcement officials if necessary to ensure the safety of the complaining student or employee
- Make appropriate referrals to Family Services of Davidson County for victim assistance services
- Evaluate and/or implement changes to the victim's academic or work environment to ensure safety
- Discuss the results with the complaining student or employee and, where appropriate, the action to be taken
- Keep the investigation and results as confidential as possible
- If the complaint is verified, take appropriate corrective action, up through and including dismissal from the College or termination of employment.

No student or employee will be punished for bringing information to the College's attention or for cooperating in an investigation; however, a person who self-reports a violation of the College policy is still subject to investigation and appropriate actions.

### **College Commitment to Effective Policy**

Finally, any person who feels that the College has not met its obligations under this policy or is not satisfied with the way in which the report of harassment was handled should contact the President, or her/his designee. Effective No-Harassment and Consensual Relationship policies depend on everyone working together to address these very important subjects.

### **Campus Access, Parking, and Security (CAPS)**

A Campus Access, Parking, and Security fee is charged to curriculum students in fall, spring, and summer semesters. Revenues collected from this fee will be used to pay for acquiring, constructing, and maintaining the College's parking facilities, parking enforcement, and security of college property.

Violations of Campus parking regulations may result in vehicles being towed at the owner's expense. Additionally, students who violate parking regulations multiple times may be subject to disciplinary action as outlined in the Student Rights and Responsibilities Policy.

Campus Parking Permits should be displayed in the lower right corner of the front windshield, or for motorcycles the rear fender. North Carolina General Statute 115D-19 authorizes and empowers the Trustees of the College to establish rules and regulations for the operation of motor vehicles on the College campus.

1. All vehicles parked on campus by students and College employees must be registered with the College and should be parked in the appropriate lined areas as designated.
2. Parking permits are available during registration and at other times from the Business Office. Permits are nontransferable.
3. Vehicles must be parked in approved parking spaces.
4. Handicapped parking is available for vehicles displaying a State issued hang card or Handicapped License Tag. Illegally parked vehicles will be towed at the owner's expense.
5. Motorcycles should be parked in designated motorcycle parking areas.
6. Loading and unloading will be permitted in "Loading Zones."
7. Vehicles must be operated in a safe manner. Campus wide speed limit is 15 mph.
8. Vehicles parked in marked fire lanes or other designated "No Parking" areas may be towed.

### **Physically Disabled Parking**

Students needing a special parking space should see Campus Security in the J. Bryan Brooks Student Center for information and assistance. Spaces may be assigned on a temporary or permanent basis. Proof of need will be required.

### **Tobacco-Free and Smoke-Free Campus Policy**

Davidson County Community College recognizes that the use of tobacco products and smoking on campus grounds is detrimental to the health and safety of students, faculty, staff, vendors, and visitors and is committed to providing the campus community with a safe and healthful environment. [\[1\]](#) Under G.S. 14-313, electronic cigarettes and other electronic smoking devices are defined as tobacco products. Thus, in addition to remaining a 100% tobacco-free campus, the College will become a 100% smoke-free campus effective May 1, 2014.

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1. Use of tobacco products and electronic smoking devices as set forth above is prohibited by students, staff, faculty, vendors, and visitors

- in all campus buildings, facilities, or property owned or leased by Davidson County Community College,
- on campus grounds, facilities, or vehicles on the property of the campus, and
- at lectures, conferences, meetings, social, and cultural events held on campus property or campus grounds.

2. The sale or free distribution of tobacco products, including merchandise and electronic smoking devices, on campus is prohibited.

3. Davidson County Community College provides free, accessible tobacco and smoking cessation resources on campus, including counseling or assistance for those who request help in quitting use of tobacco products.

4. Implementation and Compliance

- Davidson County Community College insures that appropriate signage and other physical indicators of the policy are provided.
- Students, faculty, staff, vendors, and visitors who violate the policy shall be issued a verbal reminder of the policy. Repeat offenses will be handled as indicated below:
  - Students who repeatedly violate the policy will be issued a conduct violation through the college's Code of Conduct as outlined in the Student Handbook and Calendar.
  - Staff and faculty who repeatedly violate the policy shall be referred to their supervisor. Repeated violations by staff or faculty may result in further disciplinary action.
  - Visitors who repeatedly violate the policy shall be asked to leave campus.
  - Repeat violations by vendors will be considered breach of contract.

[1] The College further recognizes that it has the legal authority to prohibit tobacco use pursuant to North Carolina G.S. 143-599.

## Visitors

Visitors, including sales persons, vendors, and recruiters must check in at the reception desk in the B. E. Mendenhall, Jr. Building lobby on the Davidson Campus, or the reception desk in the Laboratory Building on the Davie Campus upon arrival. Visitors will sign in and receive a visitor badge, which must be worn at all times during the visit.

Visitors who need assistance in locating a student must also check in at the reception desk upon arrival. Classes can only be interrupted by the Campus Resource Officer or a Security team member and only for the purpose of delivering medical emergency messages. In accordance with the Family Educational Rights and Privacy Act (FERPA), College employees are not at liberty to share student schedule information with anyone, except by court subpoena.

Visitors are not allowed in classroom, shop, or lab areas without prior permission of a College official. Visitors who violate this policy or cause disruption may be removed from campus.

## Weapons Policy

Possession or use of a weapon, as defined by State law, on College premises or at Collegesponsored or College-supervised functions, is prohibited under North Carolina G.S. 14-269.2 This includes carrying: any gun, rifle, pistol, any BB gun, stun gun, air rifle, air pistol, or other firearm, dynamite cartridge, bomb, grenade, mine, tear gas or powerful explosive, bowie knife, dirk, dagger, slingshot, leaded cane, switchblade knife, blackjack, metallic knuckles, razors and razor blades (except solely for personal shaving), firework, or any sharp-pointed or edged instrument except instructional supplies, unaltered nail files and clips and tools used solely for preparation of food, instruction, and maintenance, on educational property. Exceptions may apply to:

Exceptions **may** apply to:

- authorized College security personnel,
- on-duty law enforcement officers attending College classes or activities, and to
- law enforcement faculty possessing weapons for instructional purposes.

This prohibition **does not apply** to an individual who has

- a concealed handgun permit issued in accordance with Article 54B of this Chapter,
- has a concealed handgun permit considered valid under G.S. 14-415.24, or
- is exempt from obtaining a permit pursuant to G.S. 14-415.25,

provided the weapon is

- a handgun, AND
- the handgun remains in a closed compartment or container within the individual with a permit's locked vehicle or a locked container securely affixed to the individual with the permit's locked vehicle, AND
- the vehicle is only unlocked when the individual with the permit is entering or exiting the vehicle, AND
- the handgun remains in the closed compartment at all times.

Any violation of the above standards is a violation of state law and the Davidson County Community College Student Code of Conduct and employee policies.



## **Information Technology Services Policy**

### **LAST UPDATED:**

Jun 1 2014

The purpose of Information Technology Services (ITS) is to provide leadership, communication, and support for the effective and efficient use of information systems for learning, resource management, decision-making, and innovation.

### **Acceptable Use of IT Resources**

The College endeavors to respond to changing needs in providing and maintaining IT resources to support its teaching, learning, and support functions. College IT resources are for use by students, faculty, staff, and other community users. Academic use takes priority over personal use across all user categories.

Responsible, ethical behavior is expected of persons using IT resources. To assist College personnel in making decisions regarding the use of IT resources, the following guidelines have been adopted. Different divisions may have additional guidelines concerning practices, procedures, and scheduling of IT resources.

### **Minimum Security Rules & Requirements**

- Users will use only DCCC authorized hardware and software while on the DCCC network to include wireless technology (personal computers on the wireless network are authorized).
- Users will not introduce or download executable code (such as, but not limited to, .exe, .com, .vbs, or .bat files) into the DCCC network without authorization, nor write malicious code.
- Users will not utilize DCCC provided IT resources for personal financial gain or illegal activities.
- Other than designated curriculum computer networking labs, authorized DCCC personnel will perform maintenance only. Physical relocation or changes to DCCC hardware (i.e. workstations), software, network configurations, or telephone systems are unauthorized without DCCC ITs approval.
- Users will address any questions regarding policy, responsibilities, and duties to a faculty or staff member or the DCCC Informational Technology Services Help Desk.
- Phishing and Social Engineering are prohibited. These are techniques (sometimes malicious) used to fraudulently acquire sensitive information, such as passwords, pins, personal information (identity theft), College operations, credit card/financial details (online banking), etc. by masquerading as a trustworthy entity in electronic communications which is predominately performed through Internet email attachments, bogus Web links, and telephone systems.
- Users will not create, store, or transmit defamatory material within the College network. Users will not vandalize, damage, or disable intellectual property of an individual or the DCCC organization.

### **Internet Resources**

Users are advised that the information available via the Internet is broad in content and uncensored. Availability of such information at DCCC does not imply that the College approves of, condones, endorses, or accepts responsibility for any content not under its control.

### **Review of Computer Usage**

DCCC reserves the right to examine and monitor computer usage, computer files, accounting information, and backups, and to take action to ensure appropriate use, integrity, and operation of its computing systems. Limits may be placed on the duration and purpose of computer usage, particularly during hours of peak usage.

### **Software — Unauthorized Copying or Use**

The College licenses the use of software from a variety of vendors. The College does not own that software or its related documentation and unless authorized by the software developer, does not have the right to reproduce it. Unauthorized duplication or use of software violates the U.S. Copyright Law and exposes the individuals involved and the College to possible civil and criminal liability

**NOTE:** Individuals found to be in violation of this policy will be subject to disciplinary action in accordance with the College's Code of Conduct Policy and Procedures.



## **Academics**

### **LAST UPDATED:**

Jun 1 2014

Davidson County Community College is committed to helping students reach their full academic potential and to preparing them for success in their careers and further academic pursuits. The College has adopted academic policies that are intended to help students achieve their educational goals. Each student is expected to make satisfactory progress toward reaching those goals.

### **Learning Competencies**

Learning competencies are embedded in each associate degree program at the College. Each competency is equally important for the success of our graduates as they pursue careers and further study.

1. Communicate effectively.
2. Think critically.
3. Demonstrate information literacy.
4. Demonstrate interdependence.

### **Rights and Responsibilities**

Students, instructors, administrators, and advisors have certain rights and responsibilities in order to ensure that the DCCC grading system is used to improve academic performance.

#### **The student has the following rights:**

1. to know the basis for his/her evaluation in each course;
2. to appeal a grade;
3. to have all policies and procedures, which he/she does not understand, explained simply and completely;
4. to be able with reasonable effort to make arrangements for appointments with instructors, administrators, and other staff members;
5. to be informed of his/her academic progress; and
6. to be given appropriate accommodations for documented disability.

#### **The student has the following responsibilities:**

1. to make a reasonable effort to meet all objectives and goals for each course taken;
2. to meet with his/her instructor(s) and advisor, particularly at the first indication of academic difficulty;
3. to set realistic educational goals with the help of an instructor and advisor;
4. to make arrangements with his/her instructor to complete necessary work and to remove an incomplete ("I") grade within the time allowed but before the end of the subsequent semester;
5. to know and follow the procedures of the College when dropping a course and/or withdrawing from the College;
6. to meet periodically with his/her advisor to review his/her progress toward graduation;
7. to understand and follow all academic policies and procedures of the College as presented in the College catalog and to ask for help when he/she does not understand; and
8. to make his/her disability known and to provide valid documentation of the disability.

#### **The instructor has the following rights:**

1. to define performance requirements for specific grades;
2. to determine the best methods of developing information, knowledge, and skills for courses; and

3. to expect reasonable effort on the student's part to attain the goals and objectives of the course.

**The instructor has the following responsibilities:**

1. to evaluate grading procedures periodically;
2. to inform students at the beginning of the course of the objectives of the course and the grading system to be used;
3. to investigate new and different ways to enhance and develop skills and to evaluate students;
4. to provide students with periodic feedback and opportunities for individualized assistance;
5. to maintain an atmosphere that facilitates learning; and
6. to maintain a relationship and rapport with students that facilitates learning.

**Advisors and administrators have the following rights:**

1. to have access to student records;
2. to receive a response regarding the disposition of referrals made to other programs and/or services in the College; and
3. to be provided with needed materials and information.

**Advisors and administrators have the following responsibilities:**

1. to provide means whereby students are informed of any policy and procedural changes;
2. to provide the necessary time, resources, and facilities needed for teaching and learning to take place;
3. to provide a grade appeal process;
4. to provide appropriate counseling and advisement services;
5. to provide leadership in continuing development and evaluation of a standard grading system; and
6. to respect the confidentiality of the student's records.

**Academic Integrity Policy**

The College is committed to fostering a learning environment where students perform to the best of their own abilities and where academic integrity and honesty pervades.

True intellectual growth is dependent upon honest work. As scholars, Davidson County Community College students are expected to demonstrate integrity in all of their academic pursuits by doing their own work, without unauthorized assistance from others. **The College will not tolerate academically dishonest acts such as, but not limited to, cheating, fabricating, plagiarizing (including multiple submissions of one's own work), and/or assisting others in academically dishonest acts.**

**Cheating** is defined by the College as gaining or receiving unauthorized help during any academic assignment including using or attempting to use **unauthorized**:

- information (e.g. notes, someone else's work, test bank information),
- communication (e.g. talking, writing, or signing/signaling others),
- electronic devices (e.g. cell phones, blackberries, mp3 players, calculators, digital recorders/cameras, or other data storage device) during any academic assignment or test.

**Fabricating** is defined as generating false data, sources, or citations for any academic assignment.

**Plagiarizing** includes any attempt to pass another's work off as one's own, in part or in whole, without properly acknowledging the source. This includes directly quoting, summarizing, or using ideas, images, or data from another's work without properly citing the source as well as submitting purchased or borrowed papers as one's own. **Submitting one's own work for multiple assignments without the express consent of the instructor is also prohibited.**

**Assisting others in academically dishonest acts** includes any activity that is intended to help another person cheat, fabricate, or plagiarize. These acts include, but are not limited to, allowing another to copy work, providing test questions or answers, unsanctioned collaboration, and completing an academic assignment for someone else.

**Academic penalties** for academic dishonesty include, but are not limited to, the following:

- Verbal warning
- Written warning
- Failing grade for the assignment involved

- Failing grade for the course
- Removal from the course

Via the course syllabus, faculty will inform students in writing of the College's Academic Integrity Policy. Therein, the faculty will list specific penalties they will invoke for academic dishonesty in the course. Students who remain enrolled and engaged in courses beyond the review of the syllabi are considered to have read and agree to both the College's policy and the academic penalties that may be invoked by each faculty member in each individual course. **Academic penalties for violation of the policy can and may be applied differently by the faculty of the College.**

Assessing the academic work of students is the purview of the instructor; therefore, issues regarding academic dishonesty should be resolved between the instructor and the student. However, any unresolved issues will be referred to the appropriate Academic Dean for further review. On the rare occasion when resolution is still unreachable, the infraction may be referred to the Vice President for Academic Programs and Services. The Vice President's decision will be final.

**Please note: Violation of the Academic Integrity policy is a violation of the Student Code of Conduct.** As outlined in the DCCC Student Code of Conduct, academic dishonesty is **strictly prohibited**. Students who violate the academic integrity policy will be reported to the Vice President, Student Affairs and Enrollment Management. **Multiple violations may result in the Vice President issuing additional sanctions, up to and including expulsion, as outlined in the Student Code of Conduct Section.**

## Student Classification

The College uses the following student classification system:

1. **Full-time:** A student who is enrolled for 12 or more semester hours of course work.
2. **Part-time:** A student who is enrolled for less than 12 semester hours of course work.
3. **Freshman:** Any student who has earned fewer than 25 semester hours of credit.
4. **Sophomore:** A student who has earned 25 or more semester hours of credit.

## Course Load and Credits

### Credit Hour Policy

Davidson County Community College provides instruction for each course based on the number of contact hours listed in the North Carolina Community College Combined Course Library (CCL) for that particular course. Instruction is delivered by a variety of methods, including traditional and online formats or a combination of both. Students will participate in course instruction and outside studies to achieve the course learning outcomes.

A semester credit hour is an academic unit earned for no less than sixteen 50-minute sessions of classroom instruction or its equivalent with a normal expectation of two hours of outside study for each class session. This basic measure may be adjusted proportionately to reflect modified academic calendars and formats of study.

The award of credit hour(s) for asynchronous online and alternative delivery methods of instruction is reflective of the amount of student work necessary to achieve the course objectives and represents an equivalent amount of student work defined by the clock hours for the award of credit hour(s).

Laboratory, clinical, and work experience courses from the CCL convert from credit hours to contact hours per course using the following guidelines:

- Credit of one semester hour is awarded for each 32 hours of "experiential laboratory work." This consists of instruction given to a student by an instructor to increase the student's knowledge and skills without immediate student application.
- Credit of one semester hour is awarded for 48 hours of "faculty directed laboratory work." This involves structured and coordinated demonstration by an instructor with immediate student application.
- Credit of one semester hour is awarded for each 48 hours of "clinical practice." This is a structured, faculty-directed learning experience in a health sciences program, which develops job proficiency. Clinical practice requires significant preparation, coordination, and scheduling by the faculty and is under the supervision of an instructor or preceptor who is qualified for the particular program.
- Credit of one semester hour is awarded for each 160 hours of "work experience" such as cooperative education, practicums, and internships. Student activity in work experience is planned and coordinated by a College representative, and the employer is responsible for the control and supervision of the student on the job.

### Course Load Policy

A student who carries twelve (12) or more semester hours of course work is considered a full-time student. Registration in excess of 20 credit hours (13 hours in the summer term), including contact hours for pre-curriculum courses, requires written permission of the student's academic advisor and the appropriate Associate Dean. Students who work should adjust their course loads accordingly.

### Course Load for Veterans, Dependents, and Reservists



A student enrolled in a College program and receiving Department of Veteran Affairs benefits is required to carry 12 credit hours in course work each semester in order to receive full educational benefits. Any student enrolled for 3/4 or 1/2 of the full-time requirements as mentioned above is eligible for proportionate compensation. Students enrolled less than 1/2 time are compensated for in-state tuition and fees only. Additional information is available from the Financial Aid Counselor/Veterans' Services at the College. 6.1.14

## **Pre-curriculum Placement**

The College provides pre-curriculum courses for students to enhance their opportunities for educational success in regular college courses of study. The academic placement of a student is based upon the student's academic record and the College placement process. Depending upon the student's needs, goals, and the results of a placement assessment, the student may be advised to enroll in pre-curriculum courses designed to assist in developing the academic skills necessary for success in college-level courses.

## **Student Success Course Policy**

All first time in college students with an unweighted high school GPA less than 3.0 are required to complete a student success course in their first semester. If a student fails to complete the course in the first semester, he or she will be registered for it in the following term. If the course is not completed in the following term, the student will be blocked from registering for any other courses until the student success course has been completed.

## **Students Enrolling in External Instruction**

Davidson County Community College offers a number of courses defined as "external instruction" for regularly enrolled students to meet program requirements. "External instruction" is defined as instruction received at a site or sites to which a student is sent by the College to participate in instructional activities. Within the scope of "external instruction" is practical training, which includes cooperative education courses, internships, directed practice, and clinical practicums. External instruction also includes hybrid and online instruction as well as traditional face-to-face experiences. The purpose of external instruction is to provide students practical occupational experience as an integral part of their formal education and to provide students with alternative means of scheduling educational experiences.

## **Transfer Credit**

A transfer student is defined as a student entering the College who has attended another institution of higher education. In addition to submitting all other required application materials, students must have official transcript(s) sent directly to the College by the institution(s) which originally granted the creditor hand carry the transcript(s) in a college stationary sealed envelope. "Faxed" transcripts are not considered official.

Davidson County Community College will consider granting credit for work done at institutions of higher education which are accredited by organizations which are recognized by the Council for Higher Education Accreditation. Courses submitted for transfer credit must be equivalent or determined to be appropriate substitutions for offerings at DCCC. Initial decisions regarding the transfer of credit for selected courses are made by the Director, Student Records and Registration. The Director may consult with the Associate Dean or Dean in the program of study, and/or the Vice President, Academic Programs and Services for final decisions.

However, students who have earned a baccalaureate degree from an accredited institution AND are enrolling in an applied science (A.A.S.) program will be considered to have fulfilled the general education requirements of courses in the following areas: communications (6 semester hours), humanities/fine arts (3 semester hours), social/behavioral sciences (3 semester hours), and natural sciences (3 semester hours). These courses will be accepted as a block, meaning that a course-by-course evaluation will not be needed.

Students who have attended a college or university outside the United States must have their transcripts evaluated by World Education Services (WES) before they can be reviewed for possible transfer credit. The official WES evaluation must be submitted in a sealed envelope to the Director, Student Records and Registration. Evaluation of foreign transcripts by WES does not guarantee transfer credit will be granted, and the standard transfer credit policy will apply. The College does not grant credit for a course in which a student earned a grade of "D" at another institution. However, a transfer student may be given credit for a sequence course taken at another institution if the student's overall grade point average in the sequence is at least a "C." Transfer credit is not awarded for credit by exam granted by other institutions.

Transfer students must pass at least 25% of the required semester hours of credit at this College in order to be eligible to graduate with a degree, diploma, or certificate. Grade point average for graduation, honors, and continuing enrollment is computed on courses taken at Davidson County Community College only.

## **Time Limitations on Previous Credits**

It is the intent of the College that entering students will be successful. Time limitations may restrict the acceptance of credits from both internal and external sources if it is determined that course material or content is outdated. The Dean over the program of study in which the course is taught will make the decision regarding the acceptance of credit for such courses.

## **Credit Through Testing and Advanced Placement**

The College gives advanced placement credit to students who have demonstrated ability to do advanced work through past academic achievement and/or assessment processes. Credit for prior learning is awarded using several means of evaluation including: College administered challenge exams, the College Level Examination Program (CLEP) and the Advanced Placement Program (AP) of the College Entrance Examination Board, Defense Activity for Non-Traditional Educational Support (DANTES) courses and subject standardized tests, state or national certification and/or licensure examinations, and Armed Forces Services courses.

## **College Administered Challenge Examinations**

A student who is currently registered at the College and who can document evidence of possible proficiency in a subject may request a challenge examination to measure competency in that subject. The performance on such an examination must be "C" or above in order to earn credit. A student who successfully completes a challenge examination will be awarded a grade of "CE" and credit hours for the course, but quality points will not be awarded and the grade is not included in the grade point average. 6.1.14

For more information on challenge examinations, a student should contact a faculty member or his/her academic advisor.

### **College Level Examination Program (CLEP)**

The College Level Examination Program is a national testing program of the College Entrance Examination Board through which a person may obtain college credit in a particular subject area by demonstrating proficiency on an examination. DCCC does not administer these exams. Area colleges and public libraries administer the CLEP General and Subject exams. There is a charge for each exam and pre-registration is required.

The College awards credit for the subject area exams only. Students must request to have an official CLEP score report sent to the Director, Student Records and Registration. If the minimum score is achieved, a grade of "T" (Transfer) and credit hours for the course are awarded. No quality points are awarded, and the grade is not included in the grade point average. The student shall receive credit for the Subject Examinations at the levels recommended in the current edition of CLEP SCORES: Interpretation and Use, College Entrance Examination Board, Princeton, NJ, as modified by College policy. The current examinations and minimum acceptable scores can be found at [https://clep.collegeboard.org/college-credit/davidson-county-community-college?destination=/search/colleges/us%3Fsearch\\_type%3D0](https://clep.collegeboard.org/college-credit/davidson-county-community-college?destination=/search/colleges/us%3Fsearch_type%3D0)

#### **Exceptions:**

- 1. Subject examination credit awarded in the student's major is contingent on satisfactory performance in an advanced course in that department.*
- 2. A minimum of 25 percent of the required semester hours must be completed at Davidson County Community College for a student to be eligible for a diploma, degree, or certificate.*
- 3. Duplicate credit will not be awarded.*

### **Advanced Placement Program (AP)**

The College gives credit for courses in which College Entrance Examination Board Advanced Placement Examinations have been given and in which appropriate levels of competence have been demonstrated. If a student has taken Advanced Placement exams in high school, he or she should request an official AP score report from the College Board to be sent directly to the Student Records Office for evaluation of credit. If credit is awarded, a grade of "T" (Transfer) and credit hours for the course are awarded. No quality points are awarded, and the grade is not included in the grade point average.

### **College Credit for Career and Technical Education**

Students who successfully completed high school Career and Technical Education courses may receive credit for Davidson County Community College courses that cover the same content or skills development as identified by statewide or local articulation agreements. Students must have received a grade of "B" or better in their high school course and achieved a score of 93 or better on the standardized CTE post assessment. The Application for Articulated Credit is available from the county or city school systems and must be approved by a school administrator before submission to the Student Records Office.

### **Defense Activity For Non-Traditional Educational Support (DANTES)**

The DANTES program is a testing service conducted by the Educational Testing Service (ETS) to enable military personnel to obtain college credit for knowledge and skills acquired through nontraditional educational experiences in the Armed Forces. The College awards credit where applicable to the student's program of study following the guidelines set by the American Council on Education. A grade of "T" and credit hours for the course(s) are awarded. No quality points are awarded, and the grade is not included in the grade point average. Official records for persons who completed DANTES Subject Standardized Tests after July 1, 1974, can be obtained from DANTES Contractor Representative (CLEP), Educational Testing Service, Box 2819, Princeton, NJ 08541.

### **Credit When It's Due**

CWID is a grant funded project with a goal to improve the rate of completion of the Associate of Arts and Associate of Science degrees through the reverse transfer of credit. A reverse transfer of credit occurs when a public university or college, which can confer a baccalaureate degree, allows credit from courses taken at its school to be transferred to a community college so that that community college can confer an associate degree on the student who has already transferred to the four-year school.

The following University of North Carolina (UNC) campuses are participating in the grant-funded project: Appalachian State University, East Carolina University, Fayetteville State University, North Carolina State University, the University of North Carolina Charlotte, the University of North Carolina Greensboro, the University of North Carolina Wilmington and Western Carolina University.

The following North Carolina Community College System (NCCCS) campuses are participating in the grant-funded project: Asheville-Buncombe Technical Community College, Cape Fear Community College, Catawba Valley Community College, Central Piedmont Community College, Coastal Carolina Community College, Davidson County Community College, Durham Technical Community College, Fayetteville Technical Community College, Forsyth Technical Community College, Gaston College, Guilford Technology Community College, Martin Community College, Pitt Community College, Rowan-Cabarrus Community College, Stanly Community

Transcript level data from the eight participating universities will be retrieved by the UNC General Administration (UNC-GA) office and disseminated to the proper community college for evaluation for the possible awarding of a degree. The file sent to the community college will include all data necessary for the process and awarding of the degree. The coursework completed by the student for degree consideration will be limited to courses with a grade of C- or higher. This data will be considered an official academic record for the student.

The transfer of credits and all pertinent data between UNC-GA, the universities and the community colleges, including notification to the student, will be processed pursuant to the policies and procedures of the institution that will be accepting the transfer credits in accordance with the Southern Association of Colleges and Schools (SACS) regulations. Further, the participating UNC and NCCCS campuses will fully comply with the requirements of the Family Educational Rights and Privacy Act (FERPA) with regard to the transcript level data disclosed among and between institutions for the purpose of accommodating reverse transfer, as well as any other individual student data that may be transferred.

The following are policies and procedures for North Carolina Community Colleges and universities participating in the CWID initiative. Students eligible for degree review as part of the CWID initiative will be those currently enrolled and future transfer students at one of the eight participating universities who transferred from one of the fifteen participating community colleges (CCs).

### **Policies**

1. CCs are in agreement that the Southern Association of Colleges and Schools on Colleges residency regulation of 25% of credits earned (16 credit hours) by the student will be the review limit for a degree by the granting institution.
2. The degree granting institution will be determined by the following:
  - a. Most recent CC attended meeting SACS residency regulations
  - b. If there is more than one CC meeting the above requirement, the CC from which student has received the most credits will review the student for the degree.
3. Only courses in which the student has received a grade of C- or higher from the university will be included in the data.
4. All credits received by the student from other schools (since the student attended the granting CC) will be included in the data if available for review in awarding the degree.
5. For the purpose of this student population the readmission application process and fee will be waived.
6. Each student will be processed for the degree based on the degree program that the CC determines per their rules and regulations, with the best interest of the student as the guiding principal.
7. Each CC will waive the graduation fee and graduation application to process and award the degree.
8. Upper division courses completed at a four-year institution may be considered for lower division substitution on a case-by-case basis.

### **Procedures**

1. Student completes a minimum of 16 hours towards an Associate in Arts or Associate in Science at Davidson County Community College (DCCC).
2. Student who transfers to a participating 4-year university agrees to participate in CWID through the College Foundation of North Carolina (CFNC) webpage (<http://www.cfnc.org/reversetransfer>).
3. Student's data will be sent to the DCCC upon completing 50 total credit hours as assessed by the information from the currently attended university. The student's data will be sent each subsequent semester the student is enrolled until he/she has earned an associate's degree or a total of 90 credits or until 5 years has passed from the time the student transferred into the university, whichever comes first.
4. Initial data will be sent to CCs in June 2014 and then each subsequent fall and spring semester (time in the semester to be determined later).
5. Each semester the data is received, the DCCC Records Office will evaluate the student's credit and inform the student through his/her university email address once an associate degree has been earned. The student should expect this email by April, after the fall semester report is received, or September, after the spring semester report is received.
6. Assuming there is no hold on the student's record, DCCC will print a diploma to be mailed to the student's home address and send information about participating in commencement through their university email address. The student should expect to receive this information in April of the academic year the degree is awarded.

Additional questions may be answered at a the FAQ webpage on the CFNC website (<http://www.cfnc.org/reversetransfer>) or by the Director, Student Records and Registration.

### **Professional Training and Certification Examinations**

The College may award credit for courses in which the competencies have been demonstrated through selected state, national, or professional training and certification examination testing. This training and these examinations must be individually evaluated in collaboration with academic departments to identify individual course competencies for which credit is to be awarded. The College reserves the right to require students to complete additional competency testing to ensure the currency of knowledge prior to awarding course credit for certification examinations. Transfer credit for professional training and certifications is awarded on the student's transcript. However, a grade is not recorded, quality points are not given, and the student's GPA remains unchanged.

### **Awarding Credit for Continuing Education Units**

Awarding credit for continuing education courses work involves at least three considerations:

1. The educational quality of the course for which the student desires credit.
2. The comparability of the nature and content of the continuing education course with the curriculum course for which credit is desired.

3. Demonstration of competencies/learning outcomes by the student, either as part of the course or subsequent to it.

Davidson County Community College will award academic credit for continuing education courses only when there is documentation that the continuing education coursework is equivalent to a designated credit course. 6.1.14

The process for evaluating and documenting continuing education coursework for credit is outlined below.

1. Student obtains an official transcript documenting the continuing education coursework. The student fills out the "Request for Evaluation of Continuing Education Coursework." (This form is available on-line or at the Davidson County Community College Records Office.)
2. The student submits a "Request for Evaluation of Continuing Education Coursework" to the Associate Dean or Director, Student Records and Registration.
3. The Associate Dean attaches a copy of the continuing education instructor's statement of qualifications and a copy of appropriate course competencies and forwards the evaluation request packet to the appropriate academic dean.
4. The academic dean reviews the faculty credentials of the person that taught the continuing education course to ensure that the individual has the appropriate educational credentials and confers with appropriate faculty member(s) to evaluate the continuing education coursework.
5. The faculty member(s) evaluates the continuing education coursework and recommends appropriate action. The academic dean and faculty member complete and sign Part II of the "Request for Evaluation of Continuing Education Coursework for Awarding Credit." The form is then forwarded to the Vice President, Academic Programs and Services, for final approval. It is then forwarded to the Records Office.
6. The Records Office notifies the student of the recommendation. If recommended, the credit is recorded on the student's transcript. However, a grade is not recorded, quality points are not given and the student's GPA remains unchanged.

### **Armed Forces Services Courses**

Students who have completed Basic Training in the military are awarded four (4) semester hours of credit in physical education where applicable to their program of study. A grade of "T" and credit hours are awarded. No quality points are awarded and the grade is not included in the grade point average. A copy of the student's DD214 form or military transcripts (AARTS or SMART transcript) must be submitted to the Director, Registration and Student Records, in order for credit to be awarded.

Students who have taken college-level studies while in military service may be eligible to receive credit for military course work and military occupational specialties (MOS) where such are applicable to the student's program of study. The student should request to have their military transcript (AARTS or SMART transcript) sent directly to the Admissions Office at DCCC. These transcripts may be requested via the Internet at [www.acenet.edu](http://www.acenet.edu). The College awards credit where applicable to the student's program of study by following the guidelines found in the current Handbook to the Guide to Council on Education. A grade of "T" and credit hours for the course(s) are awarded. No quality points are awarded the grade is not included in the grade point average.

The College has been designated a Service members Opportunity College (SOC) for service members who study at any regionally accredited college. While in the military, a service member may transfer appropriate credits to DCCC to have courses in which a "C" grade or better was earned entered on his/her DCCC transcript. A grade of "T" and credit hours for the courses are awarded. No quality points are awarded, and the grade is not included in the grade point average. The College also participates in the Concurrent Admissions Program (ConAP), a joint program of the Army Recruiting Command and the College, which admits new soldiers into DCCC at the time of enlistment in the Army or Army Reserves and defers enrollment for classes until completion of military service.

**Source URL:** <https://www.davidsonccc.edu/catalog/academics>

## **Scheduling and Attendance**

### **LAST UPDATED:**

Jun 1 2014

### **Schedule Adjustment**

#### **Add Policy**

A student may add a course through the second day of the Academic Period. An Academic Period is defined as an academic term or subdivision of an academic term during which the College schedules a set of course sections (i.e. 16 week, 1st 8 week, 12 week).

#### **Drop Policy**

A student may drop a course prior to the 10% date of the class without a grade on the student's transcript. The student should discuss with his/her academic advisor and then submit a completed Schedule Change Form. A drop after the 10% date of the class and prior to the 75% date of the class is considered to be a withdrawal that will result in a grade of "W" on the student's transcript.

DCCC believes that students should take an active role in the learning process. If a student needs to withdraw from a course, the student must take the appropriate action to officially withdraw from a course on or before the 75% point of the class. The actual date of the 75% point varies from semester to semester; therefore, students should refer to the Academic Calendar for specific dates (General Information section of the General Catalog/Student Handbook). Tuition refunds can only be given for courses officially dropped prior to the 10% date published in the calendar in the General Catalog/Student Handbook.

#### **Procedure for Withdrawing from a Course or Courses**

- The student must obtain a Schedule Change Form from his/her academic advisor, or from the college website. The student is responsible for obtaining the required signatures and last dates of attendance.
- Schedule Change Forms received from students with the last date of attendance after the 10% point of the class and prior to or on the 75% point of the class will result in a grade of "W" on the student's transcript. A grade of "W" has no penalty on the student's GPA. After the 75% point in the class, the student will receive a grade from the instructor that will have an impact on the student's GPA.
- The student must return the completed form to his/her academic advisor for processing on or by the 75% date of the class. The student should refer to the academic calendar for the specific date.

If a student stops attending after the 75% point of the class, the instructor may assign a grade of "WF." The grade of "WF" indicates that the student is failing at the time of non-attendance and will count the same as an "F" in the student's GPA calculation.

#### **Withdrawal from All Courses**

Should a student find it necessary to withdraw from all courses in a term prior to the 75% date, the student should submit to the academic advisor a completed Schedule Change Form after obtaining the signatures of his/her instructor(s), a Business Office staff member, and a Financial Aid Office staff member. Should the instructor(s) not be available, an advisor's signature will suffice along with the other required signatures. The student should also complete the online Withdrawal Survey. Tuition refunds can only be given for courses officially dropped prior to the 10% date published in the calendar in the General Catalog/Student Handbook.

#### **Medical Withdrawal**

In order to declare an emergency or medical withdrawal from some or all courses prior to a grade being recorded in the student's permanent record, the student should submit to the Academic Advisor and the Director, Student Records and Registration, a written request to drop the course and documentation from a physician supporting the request prior to a grade being recorded. A student allowed to drop a course for medical or emergency reasons will receive a grade of "W" for the course.

If the grade has already been recorded in the student's permanent record, and the student was unable, due to unusual circumstances, to request an emergency/medical withdrawal prior to a grade being recorded, the written request should specify the circumstances causing the delay. The request must be submitted to the Director, Student Records and Registration before the last day of the following semester. The Director will consult with the instructor(s) in making a decision. Appeals of the Director's decision must be made in writing to the Vice President, Student Affairs within ten business days of the date of the original decision. Tuition refunds can only be given for courses officially dropped prior to the 10% date published in the calendar in the General Catalog/Student Handbook.

## **Administrative Withdrawal**

Students whose emotional and/or psychological distress or substance use is so severe that they are unable to adequately participate in the academic environment, present a danger to others, are unable to adequately care for themselves, or are engaging in substance abuse requiring extensive treatment or hospitalization may be involuntarily withdrawn from the College for a minimum of six months. An administrative withdrawal constitutes a complete withdrawal from all courses, and a grade of "W" is recorded on the academic transcript. Administratively withdrawn students may not seek counseling or other support services from the College after withdrawal.

Tuition refunds for administrative withdrawals will be considered according to the College's refund policy.

## **Attendance Policy**

The College believes that in order for students to be academically successful in achieving their educational goals, they must participate in all scheduled class sessions, laboratories, and clinical meetings. Although the occasional absence may be unavoidable, students are responsible to demonstrate their commitment to their educational goals by contacting their instructor to determine if arrangements can be made to make up any missed work.

Class attendance is calculated from the first officially scheduled class meeting through the last scheduled class meeting. Students in face-to-face and hybrid courses must be in attendance and recorded as present at least one time on or before the census date or they will be dropped from the course. Students in on-line courses must log into each online course and participate in the required online activity before the census date or they will be dropped from the course. Students are expected to be in attendance/participate in all scheduled class hours/activities. Students will be notified in the course syllabus of the attendance policy of the course. Some programs/courses may require a more rigid attendance policy because of regulations set by state and federal licensing agencies.

## **Excessive Consecutive Absences**

If a student misses 20% of class in consecutive absences in a face-to-face/hybrid course, or misses 20% of consecutive activities in an online/hybrid course and has not contacted the instructor by either email or phone, the instructor shall withdraw the student from the class. The student will be assigned a grade of WF or WR or WU (withdrawn failing) which impacts the GPA as an F and may have financial aid implications.

**Source URL:** <https://www.davidsonccc.edu/catalog/academics/scheduling-and-attendance>

## Grades

### **LAST UPDATED:**

Jun 1 2014

### **The Grading System**

In order to keep students informed of academic progress, various grades are used. Courses for which quality points are not earned (pre-curriculum courses designed to assist the student in obtaining needed academic background) are taken on a Satisfactory (SA, SB, SC), Unsatisfactory (U), Pass (P) or Repeat (R) basis. Internship courses (courses designed to allow the student to gain meaningful cooperative occupational experiences in which the employer is involved in the grading of the student) are taken on a Pass/Fail (P/F) basis.

#### **Grade = A**

The student has, in a superior way, met the objectives established for the course. Quality Points = 4 per semester hour

#### **Grade = B**

The student has more than adequately met the objectives established for the course. Quality Points = 3 per semester hour

#### **Grade = C**

The student has adequately met the objectives established for the course. Quality Points = 2 per semester hour

#### **Grade = D**

The student has minimally met the objectives established for the course. Quality Points = 1 per semester hour

#### **Grade = F**

The student failed to meet the objectives established for the course. Quality Points = 0 per semester hour

#### **Grade = I**

The student has completed the major portion of the course and due to extenuating circumstances has not been able to complete all the requirements. The student should be able to complete the course with minimal assistance from the instructor. Quality Points = 0 per semester hour

#### **Grade = SA**

The student has, in a superior way, met the objectives established for a pre-curriculum course. Quality Points = 0 per semester hour

#### **Grade = SB**

The student has more than adequately met the objectives established in a pre-curriculum course. Quality Points = 0 per semester hour

#### **Grade = SC**

The student has adequately met the objectives in a pre-curriculum course. Quality Points = 0 per semester hour

#### **Grade = U**

The student failed to meet the objectives established in a pre-curriculum course. Quality Points = 0 per semester hour

#### **Grade = P**

The student met the objectives established for a pre-curriculum course or the student has met the objectives of a course, designated in the College catalog, as one in which students are graded Pass (P) or Fail (F). Quality Points = 0 per semester hour

#### **Grade = R**

The student failed to meet the objectives established for the pre-curriculum course and must repeat the course. Quality Points = 0 per semester hour

#### **Grade = AU**

Grade assigned for an audit in a curriculum course. Quality Points = 0 per semester hour

#### **Grade = W**

The student withdrew prior to the the 75% point of the course. Quality Points = 0 per semester hour

#### **Grade = WF**

The student's consecutive absences total 20% in a curriculum course and has failed due to non-attendance. Quality Points = 0 per

semester hour

**Grade = WU**

The student's consecutive absences total 20% in a pre-curricular course and is unsatisfactory due to non-attendance. Quality Points = 0 per semester hour

**Grade = WR**

The student's consecutive absences total 20% in a pre-curricular course and the course must be repeated due to non-attendance. Quality Points = 0 per semester hour

**Grade = CE**

Grade assigned when the student receives credit for a course through challenge examination. Quality Points = 0 per semester hour

**Grade = CR**

Grade assigned when curriculum credit has been granted for students completing a continuing education course. Quality Points = 0 per semester hour

**Grade = T**

Grade assigned when transfer credit is awarded. Quality Points = 0 per semester hour

**Audit**

A student wishing to attend a curriculum course without receiving formal credit may audit a course provided he/she has not previously audited or taken the course for credit unless approved by the Dean of the course (refer to Repeat of Courses section). He/she must officially register and pay for the course. Audited courses receive no credit, and the grade symbol "AU" will be recorded on the student's transcript. A student auditing a course is expected to attend class, participate in discussions, and take examinations.

**NOTE:** Students receiving any financial aid or veterans' benefits cannot count audited courses in their total hours.

To audit a course the student must:

1. register for the course in the normal registration process as required of any other course before the final date for adding courses in any given semester. Fees for auditing a course are the same as for taking a course for credit.
2. declare an audit on a Schedule Change Form and obtain the approval of an advisor and the course instructor.

**The Incomplete Grade**

When a student has completed the major portion of a course and due to extenuating circumstances has not been able to complete all the requirements, the instructor may give an Incomplete (I) grade. The student should be able to complete the course with minimal assistance from the instructor. The "I" grade does not count as hours attempted or hours earned.

**Procedure:**

1. The student is responsible for contacting the instructor and making arrangements for completing the requirements for removing the "I" grade. If the student is unable to reach the instructor, the student should contact the instructor's Associate Dean for the course.
2. If the "I" grade is not removed by the end of the twelfth week following the semester in which it was given, the grade will automatically convert to a grade of "F." This procedure is followed regardless of whether the student is enrolled.

**Grade Point Average (GPA)**

Academic progress is based on a 4.0 cumulative grade point average (GPA) system. Only courses completed at DCCC are calculated in the student's GPA.

- Term GPA is calculated each semester and is used to determine eligibility for Dean's List and Academic Alert, Probation and Suspension.
- Program GPA is calculated using only the grades for courses included in the student's program of study and is used to determine Honors and High Honors upon graduation. A final Program GPA of 2.0 is required for graduation with a degree, diploma, or certificate.
- Cumulative GPA is calculated using grades from every course the student has completed at Davidson County Community College.

**Computation of Grade Point Average**

Students accumulate grade points based on grades earned per semester. The GPA is determined by dividing grade points earned by the number of semester credit hours attempted. The last grade earned in a course will be used to calculate GPA.

Course	Credit Hours	Grade	Quality Points	Credit Hours Multiplied by Quality Points
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BIO 163	5	C	2	10
PED 121	1	A	4	4
MAT 140	3	B	3	9
ENG 111	3	F	0	0
<b>Total Credit Hours: 12</b>			<b>Total Quality Points: 23</b>	
Total Quality Points divided by Total Credit Hours = GPA 23 divided by 12 = 1.91 GPA				

## Repeat of Courses

The repeat of courses is governed by the following:

1. Students may repeat a course for which they received a grade of “C” or below.
2. If a student elects to repeat a course for which a grade was earned or transfer credit was granted, the last grade earned will become the grade of record, regardless of whether the grade is higher or lower than the previous grade. All grades received will remain on a student’s transcript. However, when a course is repeated, the last grade earned will be used in calculating the student’s grade point average (GPA).
3. A student may attempt to successfully (grade of “C” or above) complete a course a maximum of two times. Students who require a third attempt must have permission of the Dean or the Associate Dean for the course. Documentation is forwarded to the Student Success Center.
4. Students may not audit courses that have previously been audited or taken for credit, except as granted by the Dean of the School in which the course originates.

## Appeal of Final Course Grade

The faculty is charged with the full responsibility of evaluating the academic progress of their students and assigning grades to denote the students’ achievements. The College relies upon the professional judgment of the faculty in these matters and ordinarily refrains from reviewing or participating in any instructor’s evaluation of student achievement. However, the College acknowledges that, on occasion, exceptional circumstances may arise in which a student should have the opportunity to appeal the final course grade (individual course assignments/test grades are not appealable). When circumstances warrant, a student may make use of the following appeals process.

### Process for Appeal of Final Course Grade

1. If a student believes that a final course grade is inaccurate, the student shall contact the faculty member who assigned the final grade within five (5) business days of the posting of that semester’s final course grades in order to review the basis of the assigned grade. The faculty member will determine an outcome of the appeal request and inform the student.
2. If the student is not satisfied with the result and wishes to appeal, the student must submit a written statement explaining the reasons for appealing the grade to the instructor’s Associate Dean within five (5) business days of the outcome with the faculty. The student may contact the Director, Instructional Support Services (Davidson Campus), for assistance in writing the appeal letter. If the instructor is the Associate Dean, this step would be directed to the Dean of the School for the course.
3. The Associate Dean and Dean will review the appeal, assess the facts, and provide the student with written notification of the outcome of the appeal **five (5) business days**.
4. If the student is not satisfied with the result and wishes to appeal the decision, the student must submit a written statement explaining the reasons for appealing to the Vice President, Academic Programs and Services, within five (5) business days.
5. The Vice President, Academic Programs and Services, will review the appeal, assess the facts, and provide the student with written notification of the outcome of the appeal within five (5) business days.
6. If the student is not satisfied with the result and wishes to appeal the decision, the student must submit a written statement explaining the reasons for appealing to the President within five (5) business days.
7. The President will review the appeal, assess the facts and provide the student with written notification of the outcome of the

appeal within five (5) business days.

**Please Note:** If the student believes the disputed grade was rendered on account of or was influenced by the student's age, race, sex, national origin, sexual orientation, religion or disability, the General Complaint Policy must be followed. 6.1.14

## Grade Changes

Assigning grades to a student is the responsibility of the instructor of the course in which the student is registered. Once assigned, grades may be changed only when an authorization for the change is approved by the instructor or the Dean/Associate Dean in which the course is taught. The change is then submitted to the Student Records Office. In cases where the instructor cannot be consulted, the Associate Dean will act in the instructor's place.

## Grade Forgiveness

Students who return to the College after being out for a minimum of 36 consecutive months (three years) and wish to make a "fresh start" in pursuing educational goals may apply for grade forgiveness. Grade forgiveness allows for "F" or "WF" grades earned at the College three or more years prior to current enrollment to be eliminated from the cumulative GPA calculation. To qualify for grade forgiveness, students must meet the following criteria:

- Not have been enrolled at the College for a minimum of three years prior to current enrollment.
- Be currently enrolled in curriculum courses.
- Have successfully completed a minimum of 12 semester hours of credit coursework with a grade of "C" or better.

Additionally, the following points apply regarding the consideration of grade forgiveness:

- Grades earned at other colleges cannot be forgiven.
- Students may apply for grade forgiveness one time during his/her academic career at the College.
- Forgiven grades remain on the transcript, but are not calculated in the cumulative GPA.

To request grade forgiveness, students must complete an Application for Grade Forgiveness and submit it to the Student Records Office. Students will be notified through their DCCC email of the decision, and in cases of approval, GPA recalculations will be made.

## Course Prerequisites

Students must comply with the College requirements stipulating that courses may not be taken until all prerequisites have been met. There are occasions when exceptions may be deemed desirable and appropriate, but the instructor and Associate Dean must approve such exceptions. Instructors should state clearly the prerequisite of the course at the initial class meeting. Students not eligible for the course should be sent to the Office of Academic Advising immediately to process a schedule change.

## Course Substitution

A student may apply to his/her advisor for approval of a course substitution. A course substitution requires final approval by the Associate Dean. The completed Course Substitution Form must be on file in the Records Office for audit purposes for graduation.

**Source URL:** <https://www.davidsonccc.edu/catalog/academics/grades>

## **Academic Standing**

### **LAST UPDATED:**

Jun 1 2014

### **Dean's List**

For the purpose of honoring the student for outstanding scholastic achievement, the College publishes a Dean's List shortly after the end of each semester. A student who has completed at least twelve semester hours of college-level course credit in a given semester and who has achieved a grade point average of at least 3.50 on all work attempted with no grade lower than a "C" in that same semester are placed on the Dean's List. Students with an "Incomplete" grade in a given semester are not eligible for the Dean's List.

### **Phi Theta Kappa**

Phi Theta Kappa is a national scholastic fraternity holding the same status in the community college that Phi Beta Kappa carries in senior colleges and universities. To be eligible for membership, a student must

- a. be enrolled unconditionally in an Associate in Arts, Associate in Science, Associate in General Education, or Associate in Applied Science degree program;
- b. have successfully completed the minimum of 12 semester hours by the end of the fall semester;
- c. have attained a 3.6 or better cumulative grade point average; and
- d. possess outstanding traits of character and citizenship.

Students meeting these requirements are notified of their selection in the spring and invited to join PTK. Those applying to join PTK are accepted into membership at a special induction ceremony.

### **Alpha Sigma Lambda**

The Alpha Sigma Lambda National Honor Society was established in 1946 to recognize the special achievements of nontraditional adult students who accomplish academic excellence while managing the demands of family, work, and community. It is not only the oldest, but also the largest chapter-based honor society for full-time and part-time adult students. Today, with more than 300 chapters at colleges and universities throughout the United States, Alpha Sigma Lambda offers a truly prestigious opportunity to honor superior scholarship and leadership in adult students. Members are selected from the highest 10 percent of the class, and invitation letters are mailed in March.

### **Scholar of Global Distinction Award**

Students who complete each of the following will be eligible to receive the Scholar of Global Distinction Award, which will be documented on his/her transcript.

1. Globally Intensive Courses: Students will complete 15 credits in courses approved as having globally intensive content.
2. International Activities: Students will participate in at least two international events per semester for a total of eight.
3. Global Experience: Students will participate and provide appropriate documentation in 30 hours of global experience. Students may meet the requirement through travel abroad or domestic intercultural experience/service.

A Global Scholars Advisor will assist students in meeting the requirements. Globally intensive courses will be listed on the DCCC International Education web page on the College's website.

## **Academic Alert, Probation, and Suspension**

### **Academic Progress Standards**

Satisfactory academic progress is essential to student success. To be in good academic standing, a minimum grade point average (GPA) of 2.0 is required of all students enrolled in certificate, diploma, and associate degree programs. At the end of each academic term, students who have not attained or maintained a semester GPA of 2.0 will be notified of unsatisfactory academic progress as indicated below. Minimum satisfactory academic progress for students enrolled in pre-curriculum courses is defined at the satisfactory, grade "C" (SC, P) level for final course grades. The Office of Academic Advising manages the academic alert, probation, and suspension process by notifying students of their academic status, meeting with students individually to develop academic improvement plans, monitoring

students' progress toward goals, and analyzing data to inform decisions.

**Academic Alert** – issued when a student's semester GPA first falls below a 2.0 in curriculum courses or when final grades in preparatory courses fall below the SC level. Students will be notified of alert status. The student on academic alert must schedule an appointment with his/her Academic Advisor to develop an academic success plan. The students may not be approved to begin classes in future semesters until meeting with his/her Academic Advisor.

**Academic Probation** – issued when a student's semester GPA remains below a 2.0 in curriculum courses or final grades in preparatory courses remain below the SC level for a second consecutive term. The student and the student's academic advisor will be notified of probation status. A student on academic probation is required to meet with his/her Academic Advisor to develop a plan for academic improvement; course enrollment for the next semester may be limited. A student may not begin classes the next semester until meeting with the Academic Advisor. A student may be granted an extension of probationary status if the student is demonstrating academic progress but the semester GPA remains below 2.0.

**Academic Suspension** – issued when the student has not demonstrated academic progress in the next consecutive semester and the semester GPA remains below a 2.0 in curriculum courses after being on academic probation. Suspension will also be issued to students whose final grades in preparatory courses remain below the SC level in the next consecutive semester after being on academic probation. The student will be notified of suspension status and will be required to submit a re-admission application. A student will be suspended from the College for a minimum of one semester.

### Satisfactory Academic Progress Standards for Financial Aid

Financial Aid recipients must maintain satisfactory academic progress to remain in good standing for financial aid programs. Several factors define satisfactory academic progress for financial aid programs, such as GPA, credit hours attempted and satisfactorily completed, and length of time taken to complete a program of study. Students receiving financial aid and/or veteran's benefits who are placed on academic alert or probation may also be on financial aid warning or suspension. The student may receive financial aid while on warning; however, at the end of the warning period, the student must have demonstrated academic progress sufficient to meet SAP standards to receive further financial aid. If the student is academically suspended, financial aid eligibility will be re-evaluated upon the student's readmission to the College. [View the full Satisfactory Academic Progress Policy in the Financial Aid section.](#)

### Selective Admission Programs

Since requirements for progression in the health or wellness related and emergency medical science programs are in addition to the general requirements of the College, a student suspended from these programs is not necessarily suspended from the College. Students who are eligible to remain enrolled may continue in their support courses and apply for readmission to one of these programs at a later time or may elect to change his/her major. *Readmission to a health, wellness, or public safety programs is limited to one time.*

- **Associate Degree Nursing and Practical Nursing Education students** – The above policy applies and, in addition, a nursing student is placed on suspension status from the program for the following reasons:
  - a. demonstrates behavior which conflicts with safety essential to nursing practice as judged by the nursing faculty;
  - b. presents physical or emotional problems which conflict with safety essential to nursing practice and does not respond to appropriate treatment and/or counseling within a reasonable period of time; and/or
  - c. receives a final grade of "D" or "F" in any required course in the ADN or PNE curriculum or receives a final clinical evaluation of "Unsatisfactory" in any nursing course.
- **Cancer Information Management students** – In addition, a Cancer Information Management student will be suspended from the program if the student receives a final grade below "C" in any CIM or BIO course.
- **Cosmetology students** – In addition, a Cosmetology or Esthetics student will be suspended from the program if the student receives a final grade below "C" in any COS course, or any prerequisite or corequisite course
- **Emergency Medical Science students** – In addition, an EMS student may be placed on suspension status from the program for the following reasons:
  - a. demonstrates behavior which conflicts with safety essential to emergency medical practice as judged by the EMS faculty;
  - b. presents physical or emotional problems which conflict with safety essential to emergency medical practice and does not respond to appropriate treatment and/or counseling within a reasonable period of time; or
  - c. receives a final grade of "D" or "F" in any EMS-prefix course in the curriculum or receives a grade of "F" in an EMS clinical course.
- **Fire Protection Technology students** – In addition, a Fire Protection Technology student will be suspended from the program if the student receives a final grade below "C" in any FIP course, or any prerequisite or corequisite course.
- **Healthcare Interpreting students** – In addition, a Healthcare Interpreting student will be suspended from the program if the student receives a final grade below "C" in any HCI or BIO course.
- **Health Information Technology students** – In addition, a Health Information Technology student will be suspended from the 76 program if the student receives a final grade below "C" in any HIT or BIO course.

- **Histotechnology students** – In addition, a Histotechnology student will be suspended from the program if the student receives a final grade below “C” in any HTO course or any prerequisite or corequisite course.
- **Human Services Technology students** – In addition, a Human Services Technology student may be suspended from the program for the following reasons:
  - a. demonstrates behavior which conflicts with technical standards essential to practice as judged by HSE faculty;
  - b. presents physical or emotional issues which conflict with technical standards essential to human services practice and does not respond to appropriate coaching, counseling or treatment within a reasonable time;
  - c. violates ethical practice as defined by the National Organization for Human Services Code of Ethics, the HSE Student Handbook or the judgment of HSE faculty, service learning supervisor, or clinical/cooperative education supervisor; or
  - d. receives a final grade below a “C” in any HSE, ENG or SAB prefix course.
- **Medical Assisting students** – In addition, a Medical Assisting student will be suspended from the program if the student receives a final grade below “C” in any MED or BIO course.
- **Medical Laboratory Technology students** – In addition, a Medical Laboratory Technology student will be suspended from the program if the student receives a final grade below “C” in any MLT course or any prerequisite or corequisite course.
- **Nursing Assistant students** – In addition, a Nursing Assistant student will be suspended from the program if the student receives a final grade below “C” in any NAS course or any prerequisite or corequisite course.
- **Pharmacy Technology students** – In addition, a Pharmacy Technology student is suspended from the program if the student (1) receives a final grade below “C” in any pharmacy technology course (PHM prefix); (2) receives a final grade of “D” or “F” in any required course in the pharmacy curriculum or receives a final clinical evaluation of “unsatisfactory” in any PHM course; or (3) presents physical or emotional problems which conflict with the safety essential to pharmacy practice and which do not respond to appropriate treatment and/or counseling within a reasonable period of time.
- **Special students** – The above scale applies, and all grades are computed in the grade point average.
- **Therapeutic Massage students** – In addition, a Therapeutic Massage student will be suspended from the program if the student receives a final grade below “C” in any MTH course, or any prerequisite or corequisite course.
- **Zoo & Aquarium Science students** – A ZAS student is suspended from the program if the student (1) receives a final grades below “C” in any Zoo & Aquarium Science course (ZAS prefix); receives a final grade below “C” in any general education required course; (3) receives a final grade below “C” or unsatisfactory in any Zoo and Aquarium Science cooperative education course (COE prefix); or (4) presents physical or emotional problems which conflict with safety essential to the zookeeper profession and which do not respond to appropriate counseling within a reasonable period of time.

### **Additional Provisions Regarding Academic Standing**

It is the goal of the College to assist students in maintaining good academic standing and progress toward graduation. Policies, procedures, and services are described in the General Catalog/Student Handbook as a means of informing and guiding students.

A student on academic probation or suspension may not hold elective office or serve on College committees.

### **Readmission for Suspended Students**

Students who have been suspended from the College for academic reasons must apply for readmission. Consideration of applications for readmission of students who have been suspended for any reason will be made in light of the applicant’s prior academic and disciplinary record, evidence of growth and maturity, good citizenship record, credits earned at another institution, and time elapsed since leaving the College.

Students readmitted to the College after an academic suspension will automatically be placed on academic probation for a period of one semester and may be required to participate in an appropriate support program and a term of probation.

### **Appeal of Academic Suspension**

A student suspended from the College may appeal the suspension decision following the College’s [General Complaint Policy](#) starting at Step 2.

#### **NOTE:**

1. After a second suspension, regardless of program of study, the Vice President, Academic Programs and Services may specify no future enrollment if in his/her judgment such action is warranted.
2. Readmission to Health, Wellness, and Public Safety programs and the Zoo and Aquarium Science program may be limited to one time.

### **Graduation Requirements**

A student who is not in continuous enrollment at the College or who changes from one major to another will graduate under the catalog in

effect at the time of reenrollment or major change. Continuous enrollment excludes summer term.

Course requirements for a degree, diploma, or certificate will vary according to the curriculum. The student should refer to his/her program of study to identify the course requirements for graduation. It is the student's responsibility to obtain his/her advisor's signature on the Application for Graduation Form during the semester immediately before the semester in which he/she intends to graduate. The student also has the responsibility of turning in to the Office of Academic Advising the completed and signed Application for Graduation Form. Students who owe tuition, fees, and/or fines to the College may not participate in the commencement ceremony or receive official transcripts or the final credential until all balances are paid.

Students transferring to the College must pass at least 25% of the required semester hours of credit at the College in order to be eligible to graduate with a degree, diploma, or certificate. The 25% resident credit may not include transfer, correspondence, CLEP or CEEB Advanced Placement.

The following policies and procedures will be used in determining the eligibility for graduation of a student at this institution:

1. A candidate for a degree, diploma, or certificate must have successfully completed all pre-curriculum and credit hours as specified in the College catalog for a specific degree, diploma, or certificate.
2. A candidate for a degree, diploma, or certificate must have completed all course work as set forth in the College catalog for a specific degree, diploma, or certificate except as indicated in number 4 below.
3. A candidate for a specific degree, diploma, or certificate must have earned at least a 2.0 grade point average. Only grades in those courses credited to the program for which he/she is to receive a degree, diploma, or certificate are included in the grade point average. When a student has more unrestricted elective hours than the program requires, the GPA will be calculated using elective courses with the highest grades for the specified number of unrestricted elective hours.
4. In determining a student's eligibility for graduation, the College will adhere to the above policies except that upon written recommendation of the student's advisor and the written approval of the Dean of the appropriate school as well as the Vice President, Academic Programs and Services, course requirements may be waived or substitutions allowed within the provisions of the State Curriculum Standards.
5. A student on suspension status from the nursing program due to a "D" grade will not be eligible for graduation from that program.

### **Graduation With Honors**

The College recognizes students who have done outstanding scholastic work as honor graduates. Graduation with *High Honors* is granted to students in degree, diploma, and certificate programs who have achieved a program grade point average of 3.8 or higher in courses required in the program of study. Graduation with *Honors* is granted to students in degree, diploma, and certificate programs who have achieved a program grade point average of at least 3.5 and less than 3.8. The determination of Honors or High Honors will be based upon the program GPA of the previously completed semester.

### **Commencement Exercise**

A commencement exercise to award degrees, diplomas, and certificates is held at the end of the spring semester. The specific date for commencement is listed in the College calendar. All students receiving degrees, diplomas, or certificates in the spring are encouraged to attend the commencement exercise. Students who meet graduation requirements at times other than the end of spring semester may participate in the commencement exercise the following spring. Students who are within six (6) credit hours of completing a credential may participate in the spring commencement ceremony. However, students will not receive the credential or have it noted on the transcript until all graduation requirements are completed.

Prospective graduates who will complete degree requirements on or before May 31, must file an **Application for Graduation Form** in early March; those who complete degree requirements on or before August 31, must file the application by early June; and those who complete degree requirements on or before December 31, must file the application in early October.

**Source URL:** <https://www.davidsonccc.edu/catalog/academics/academic-standing>

## **Curriculum Programs and Services**

### **LAST UPDATED:**

Jun 1 2014

### **ACADEMIC SUPPORT**

#### **Library Services**

Library Services promotes student learning by providing quality services, comprehensive materials, and a positive learning environment. The Davidson and Davie Campus Libraries offer a relaxed, comfortable atmosphere for students to study and collaborate. Library staff members are readily available to assist students with their information and technology needs.

Both Libraries offer wireless Internet access; computers; photocopying, scanning, and faxing service as well as quiet study areas. The Libraries also make available a wide variety of print and electronic resources including books, ebooks, DVDs and online videos. The Library catalog and other electronic resources can be accessed off-campus through the college website, [www.davidsonccc.edu](http://www.davidsonccc.edu). Using the library catalog, students can search and request items from Cape Fear Community College.

The Davidson Campus Library offers a two workstation digital production lab equipped with digital editing software as well as cameras, video cameras, microphones, and scanners.

Please see the DCCC website for the current library hours.

#### **The Learning Commons**

In keeping with DCCC's mission statement, the Learning Commons serves as an innovative learning resource, providing professional academic assistance that promotes retention and success by challenging and empowering students to maximize their academic potential.

The Learning Commons is located on the first floor of the Grady E. Love Learning Resources Center on the Davidson Campus. The center provides free tutoring for enrolled students in various subjects. In addition to the tutoring services, the Learning Commons provides a variety of academic support workshops.

Students may request tutoring any time during the semester by completing a [Request for Tutoring Form](#) (found on the College's Website or at the Learning Commons welcome desk) and returning the completed form with instructor signature to the Learning Commons. Qualified professional and peer tutors are employed by the College to share their learning strategies and problem-solving skills with any student having difficulty in a subject.

Persons interested in being a peer tutor should complete an online application under the employment section of the College's website. The application can be found under the heading "Student Jobs." To be eligible, a student must have completed the course for which he/she will be tutoring with a grade of B or higher or, if currently enrolled, be earning a B or higher and have a favorable recommendation from the instructor of the course. Tutors are paid hourly and compensated monthly.

The Learning Commons also houses the Academic Testing Center, high school equivalency testing, study rooms, and a reading lounge. The Academic Testing Center provides placement testing. Students needing to take the College's placement test can visit the [College's website](#) to make an appointment online.

The Academic Testing Center also provides testing services for students who need to take their tests outside of the classroom. Students needing to test in the center must make initial arrangements through his/her instructor(s). Students who need to take a course test in the center are required to make testing appointments at least 24 hours in advance in order to guarantee a seat in a designated testing space. Appointments can be made by calling 336.249.8186, ext. 6787 or coming by the Learning Commons welcome desk. [Student testing guidelines](#) may be found on the College's website.

The hours for tutoring, testing, and the Learning Commons are also available on the College's website.

#### **Davie Campus Tutoring**

Tutoring is also available on the Davie campus. Free tutoring is provided in certain subject areas for enrolled students in pre-curriculum or curriculum courses. For more information, please contact the Davie campus at 336-751-2885.





## **Curriculum Programs**

### **LAST UPDATED:**

Jun 1 2014

Davidson County Community College offers a variety of instructional programs that prepare students to accomplish one or more of the following:

- Prepare for employment opportunities (see Associate in Applied Science)
- Transfer to senior colleges and universities (see College Transfer)
- Achieve personal and professional educational goals

The College's programs are offered in a variety of delivery methods: traditional face to face; hybrids, which are a mixture of some traditional class meetings with a significant online component; and completely online programs. Advisors are available to assist students in planning their programs to meet their educational goals. Refer to specific programs later in this section for more information.

### **Associate Degree Programs**

Students can generally complete associate degree programs in two years; however, this goal is dependent upon the students' ability to carry an academic load of 14-16 credit hours each semester the students are enrolled. Students carrying a minimum full-time load of 12 credit hours should plan accordingly.

The College offers two types of associate degree programs: A degree program that has the immediate goal of employment upon completion of the degree (though increasingly students do have other options). This option is the Associate in Applied Science (A.A.S.). The second associate degree program tends to focus more on guiding students to completing the first two years of a four-year degree and then transferring to complete the bachelor's degree; these programs include the following: Associate in Arts (A.A.), Associate in Science (A.S.), and Associate in General Education (A.G.E.).

Students choosing to enter associate degree programs must meet educational aptitude requirements applicable to the individual program, and those who need preparation for college-level work are provided preparatory education to help them be successful in their chosen program of study.

The associate degree programs consist of three areas of study for students:

- Major course work - courses that guide students toward their "major" focus at the College.
- General education courses - courses in communication arts, social science, humanities, mathematics, and natural sciences that are designed to give a broad experience with the many components of human knowledge and to provide an understanding of our cultural and social heritage.
- Supporting courses - courses that are required for success in the major.

### **Diploma Programs**

Diploma programs are designed to prepare students for employment and can generally be completed in three semesters on a full-time basis. In some curriculum areas, diploma programs are the equivalent of the first three semesters of the associate degree program, and courses earned in completing the diploma count toward the associate degree whether the degree goal is an applied science (A.A.S.) degree or the university transfer degrees (A.A., A.S.).

### **Certificate Programs**

Certificate programs are designed to provide students with skills necessary for employment and can generally be completed in one or two semesters on a full-time or part-time basis. In some curriculum areas, the courses earned in completing the certificate program count toward the diploma and/or the associate degree.

### **Philosophy of DCCC's General Education Program**

The faculty of Davidson County Community College are committed to student learning and believe that the best evidence of their commitment to the College's service area is the quality of DCCC graduates. A DCCC graduate should combine his/her specialized interest exemplified by the program of study "major" and the general education core, which focuses broadly in skills, behaviors,

knowledge, and understanding necessary to be a lifelong learner; an ethical and independent decision maker; a critical and creative thinker; a clear and effective communicator; and a responsible citizen of one's community and of the world.

The character and abilities of an educated person are more than the sum of course work that leads to the hours required for a credential. Educated individuals are those who are engaged through the commitment of their time and their resources in the process of their education. The College faculty and staff also have a commitment and a responsibility to engage students and to foster the knowledge and sensibility of an educated person. Lastly, the College faculty and staff acknowledge that this commitment to the development of educated individuals belongs to the entire College community, not just to a single department or organizational unit.

### **General Education Competencies**

In the 21st century, post-secondary education must guide the student's ability to gather, comprehend, and evaluate information and then to communicate this information effectively.

Also, post-secondary education instills the awareness of values that further guide a student's synthesis of this information into knowledge. Because such skills are important to lifelong learning and to participation in a global culture, DCCC graduates should demonstrate the following general education outcomes:

1. Communicate effectively.
2. Think critically.
3. Demonstrate information literacy.
4. Demonstrate interdependence.

To ensure that our students attain these Student Learning goals by graduation, DCCC requires that students:

- complete the general education core requirements listed in the students' major program of study (see these courses/skills listed in the General Catalog/Student Handbook under the headings of "degree program") and
- reinforce these goals through a series of courses and learning experiences encountered by our students from their freshman experiences up to their matriculation from the College into their careers or into continued educational opportunities.

### **Technical Standards**

Technical Standards list the skills and abilities that have been deemed essential for students to achieve program and learning outcomes. Technical Standards are available online and through the Admissions Office.

If you have a disability and think that you may require a reasonable accommodation to meet these Standards, please contact the Office of Disability Services at 336.249.8186, ext. 6342 or 6328.

### **Distance Learning**

The purpose of distance education at Davidson County Community College is to provide quality instruction and supplemental learning beyond the location and time-specific formats of traditional classes in various electronic formats that enhance access to programs and services, increase scheduling alternatives, and respond to diversity in learning styles.

Every effort is made to provide comparable services for both distance learning students and on-campus students. Services include but are not limited to: general information, advisement, registration, library resources, Moodle technical support, and tutoring.

### **Course Delivery Options**

In addition to traditional face-to-face courses offered at various campus and off-campus sites, the College offers several course delivery options.

#### **Hybrid Courses**

Hybrid courses may include a combination of teaching methods including, but not limited to, online instruction and on-campus classes.

#### **Online Courses**

Online courses are conducted over the Internet and typically do not have regular meetings in a physical space. At a minimum, students are required to have regular access to a computer running Windows 7 or a higher version, access to broadband Internet service, Internet Explorer 9 or higher version, Firefox 15 or higher, or Google Chrome 22 or higher, and Microsoft Word. Some online courses may have additional hardware and/or software requirements.

Some courses may require proctored testing or on-campus visits in order to complete portions of the course. Students will have access to a Moodle Orientation course. Moodle is the platform that is used for delivering DCCC's online and hybrid courses as well as supplemental material for on-campus courses. Most class activities, including most instructor/student communications, are conducted via the College's Moodle website.

#### **Video Conferencing Courses**

Video Conferencing courses consist of two or more sections of the same course being taught at the same time by the same instructor with students participating at different locations. Facilitated by College staff, students at the remote site(s) interact with the instructor and other

## Comprehensive Articulation Agreement (CAA)

The Comprehensive Articulation Agreement (CAA) addresses the transfer of credits between institutions in the North Carolina Community College System to members of the University of North Carolina. It does not address admission to an institution nor to a specific major within an institution. The CAA was developed jointly by faculty and administrators of the North Carolina Community College System and the University of North Carolina based on the proposed transfer plan approved by both governing boards in February 1996. The CAA applies to all North Carolina community colleges and all members of the University of North Carolina.

All courses approved for transfer in the Comprehensive Articulation Agreement are designated as fulfilling general education or pre-major or elective requirements. While general education and pre-major courses may also be used as electives, elective courses may not be used to fulfill general education requirements.

Also, all courses listed in the curriculum for the A.A. and A.S. degrees do fulfill the CAA. Many of these courses are within the A.A.S. degree programs. The CAA does not prevent any UNC member institution or a private college from accepting additional courses not listed in the CAA. Students who plan to transfer should discuss requirements with their academic advisors at the beginning of their studies.

### Articulation with 4-year Institutions

Although the A.A.S. degree prepares students for immediate entry into the workforce, many students are electing to continue their education at senior colleges and universities. An increasing number of senior institutions are allowing graduates of selected A.A.S. degree programs to transfer some or all of their course work into baccalaureate degree programs. Refer to the listing of Associate in Applied Science programs as well as diploma and certificate programs for more information.

Davidson County Community College has entered into formal articulation agreements with some institutions that make it possible for graduates of certain associate degree programs to transfer to the senior institution with junior status. For a listing of current agreements visit <https://davidsonccc.edu/articulation-agreements>.

In cases where formal articulation agreements do not exist, the senior institution will evaluate the student's transcript on a course-by-course basis and accept equivalent courses for transfer credit. A.A.S. students have successfully transferred on this basis to Appalachian State University, High Point University, North Carolina State University, UNC-Wilmington, and other institutions. It is the responsibility of each student to identify the college to which he/she is preparing to transfer and to confirm the transferability of any course in question. Assistance in this process can be provided by DCCC academic advisors, the General Catalog/Student Handbook, and the transfer institution's catalog and admissions staff.

**Source URL:** <https://www.davidsonccc.edu/catalog/curriculum-programs-and-services/curriculum-programs>

## **Continuing Education Programs**

### **LAST UPDATED:**

Jun 1 2014

### **General Information**

Continuing Education programs and services provide adults opportunities to pursue learning for life by participating in a variety of non-credit programs or courses suited to individual needs. Courses are practical in nature and are based on individual needs, goals, and/or lifestyles regardless of previous education and training experience. Courses are open to all adults 18 years of age and older. Persons 16-17 years of age may be admitted upon submission, at registration, of written approval from the appropriate school system. A high school diploma is not required for enrollment in most non-credit courses.

Workforce development education and training opportunities are provided through courses which train individuals for job advancement and/or skill building that can enhance one's present career or prepare for entry into a new career. In addition, courses of general and personal interest are offered that assist adults in better understanding their roles in today's changing world.

Continuing Education courses are offered on campus, off campus, and via distance education. The majority of courses are held during the evening hours but may be scheduled at other times for the convenience of those adults participating.

Numerous workshops, seminars, and cultural arts opportunities are scheduled to meet special needs and interests; this is in addition to the large number of courses scheduled each semester. We encourage you to visit our website ([www.davidsonccc.edu](http://www.davidsonccc.edu)) under the Continuing Education tab to obtain information about current programs. For further information, call 336.224.4554.

### **Tuition and Fees for Continuing Education Courses**

Continuing Education courses normally carry a registration fee varying from \$70 to \$180 per course, depending upon the type of course offered. Self-supporting courses may be higher.

### **Refund Policy - Continuing Education**

A full refund (100%) of tuition and fees is granted when the student officially withdraws from a course prior to the first meeting or when the College cancels a course. Except for self-supporting and contact hour courses (see below), a student who officially withdraws from a course prior to the 10% date of the course will receive a 75% tuition refund, but fees will not be refunded. To officially withdraw from a course, a student must contact the program coordinator. No refunds are granted after the 10% date.

### **Self-Supporting Courses**

Continuing Education Self-Supporting Courses are those courses that rely on fee payments from students enrolled in the course for support of the instructional salaries, supplies, and administrative overhead costs. Since these courses are taught only when a sufficient number of individuals register and pay for the course, no refunds can be granted after the course has begun.

### **Contact Hour Courses**

Continuing Education Contact Hour Courses are those courses that have open entry/open exit dates and times. These courses may be offered in learning laboratories or may be self-paced as the individual progresses at his/her own pace. An individual who officially withdraws from a contact hour course within 10 calendar days after first entering the course will receive a 75% tuition refund but no fees will be refunded. No refunds are granted after this time.

### **Continuing Education Course Repetition Policy**

A student enrolling in the same continuing education occupational course more than twice within a five-year period will pay the full student cost per scheduled hour or the current state fee, whichever is higher.

This provision is waived if course repetition is required by certification or licensing standards pertaining to the course in which the student is enrolled. For example, fire, law enforcement, and rescue personnel may repeat courses that are required by certification or licensing provisions and are directly job-related.

### **Awarding Credit for Continuing Education Units**

Awarding credit for continuing education courses work involves at least three considerations:

1. The educational quality of the course for which the student desires credit.

2. The comparability of the nature and content of the continuing education course with the curriculum course for which credit is desired. 6.1.14

3. Demonstration of competencies/learning outcomes by the student, either as part of the course or subsequent to it.

Davidson County Community College will award academic credit for continuing education courses only when there is documentation that the continuing education coursework is equivalent to a designated credit course.

The process for evaluating and documenting continuing education coursework for credit is outlined below.

1. Student obtains an official transcript documenting the continuing education coursework. The student fills out the "Request for Evaluation of Continuing Education Coursework." (This form is available on-line or at the Davidson County Community College Records Office.)

2. The student submits a "Request for Evaluation of Continuing Education Coursework" to the Associate Dean or Director, Student Records and Registration.

3. The Associate Dean attaches a copy of the continuing education instructor's statement of qualifications and a copy of appropriate course competencies and forwards the evaluation request packet to the appropriate academic dean.

4. The academic dean reviews the faculty credentials of the person that taught the continuing education course to ensure that the individual has the appropriate educational credentials and confers with appropriate faculty member(s) to evaluate the continuing education coursework.

5. The faculty member(s) evaluates the continuing education coursework and recommends appropriate action. The academic dean and faculty member complete and sign Part II of the "Request for Evaluation of Continuing Education Coursework for Awarding Credit." The form is then forwarded to the Vice President, Academic Programs and Services, for final approval. It is then forwarded to the Records Office.

6. The Records Office notifies the student of the recommendation. If recommended, the credit is recorded on the student's transcript. However, a grade is not recorded, quality points are not given and the student's GPA remains unchanged.

### **Occupational and General Interest Continuing Education Courses**

Adults have the opportunity to attain skills for personal use and to broaden their general education through cultural enrichment. Through participating in Continuing Education courses, individuals can explore new interests, attain new skills, further develop previously acquired skills, and pursue study in different areas. Continuing Education courses are classified as "non-credit" courses, meaning they do not earn college credit hours and generally require no prerequisites for entrance; however, courses denoted with an \* in the following lists do have a special admissions process.

The list that follows is intended to serve only as a sample of the course and programs, which may be offered. Classes are formed on a continual basis as interests and needs are determined for persons 18 years of age and above.

AutoCAD

Business Plan Development

Construction Building Codes

CPR

CPR & First Aid

Customer Service

Dog Grooming

Effective Teacher Training (online)

Electrical Contractor's License Preparation

Electrical Contractor's License Renewal

EMT\*

Heating & Air Conditioning

ISO 9000

Industrial Safety

Lateral Entry Orientation

Leadership Development

Lean Manufacturing

MS Office: Access/Excel/Word/PowerPoint

6.1.14

Networking

Notary Public Training (must be at least 18 years old)

Nursing Assistant\*

Office Administration

Online Courses

- Business
- Computer Applications
- Teacher Renewal Credit (upon approval)

Paramedic\*

Record Keeping for Small Business

Self-Managed Work Teams

Six Sigma

Small Business Management

Small Business Marketing

Small Engine Repair

Stress Management

Supervision

Teambuilding

Vehicle OBD-II Certification/Recertification

Vehicle Safety Inspection

Welding

*\*Courses have special admissions requirements. Students must apply through the School of Health, Wellness and Public Safety; 336.224.4791.*

### **Community Enrichment and Self-Supporting Programs**

Community service and self-supporting programs are designed to meet personal growth, recreational, and enrichment needs of students. Community service and Self-supporting courses require that all students pay a registration fee.

The brief list that follows is intended to serve only as a sample of the courses and programs, which may be offered. Classes are formed on a continual basis as interests and needs are determined for persons 18 years of age and above.

Art

Cake Decorating

Conversational Spanish

Cooking

CPR

Dancing (Ballroom, Line, Shag, etc.)

Digital Photography

First Aid

Motorcycle Rider Safety

Painting: Oil, Acrylic, Watercolor

Pottery

For additional information, please call 336.224.4554 or visit the College website at [www.davidsonccc.edu](http://www.davidsonccc.edu) under the Continuing Education section. 6.1.14

We welcome proposals for new continuing education course ideas. If you have a particular area of expertise, skill, talent, or hobby, we would love to hear from you. We are looking for courses that would be of interest to others and would translate effectively to the classroom. For information on submitting proposals, please contact the School of Business, Engineering & Technical Studies at 336.224.4554.

### **Human Resources Development**

Success in the workplace for every individual is the mission of the Human Resources Development (HRD) program. Through employability skills assessment and workshops, the program provides opportunities to help adults understand their strengths and personal assets and how to apply these to their current and future jobs. Subjects covered include exploring career options, career planning, workplace computer skills, job search strategies, effective resumes, and interviewing skills. The goal of the HRD program is to motivate and create enthusiasm in adults enabling them to become successful employees. Tuition and fees for HRD courses may be waived depending on employment status and income. For additional information, please call 336.249.8186, extension 6346, or visit the College website at [www.davidsonccc.edu](http://www.davidsonccc.edu). Sample course offerings include:

Basic Computer for Employment

Workplace Computer Skills

Computer Skills for College

Jumpstart Employability Lab

### **Criminal Justice Training**

Citizens of the Piedmont Triad region are served by a large criminal justice community including local and state law enforcement agencies, the Division of Prisons, and the Division of Community Corrections. The College offers a wide spectrum of courses to address the educational and training needs of current criminal justice professionals: law enforcement, corrections, and court personnel.

In-service training programs are offered to enhance the career and personal development of criminal justice professionals. DCCC provides advanced, high quality, state-of-the-art training in response to the ever-changing needs of the criminal justice community.

Sample course offerings include:

Annual Mandated Training for Law Enforcement and Department of Corrections

Civil Process - Basic and Advanced

Criminal Investigation

Criminal Justice In-service Training

Defensive Driving

Field Training Officer

General Instructor Certification Training

Interview and Interrogation

Laws of Arrest, Search, and Seizure

Officer Survival

Police Law Institute

Radar Operator Certification and Recertification

Supervision

Traffic Accident Investigation

### **Emergency Medical Training**

Accidents and illnesses often strike suddenly and without warning. The quick response of persons trained in emergency medical care can mean the difference between life and death. In response to the need for pre-hospital emergency care, the School of Health, Wellness, and Public Safety provides training in basic first aid and cardiopulmonary resuscitation (CPR) for the general public in addition to providing intensive emergency medical courses designed for professional EMS personnel. Emergency medical courses are offered at child care centers, churches, area industries, nursing homes, schools, rescue squads, fire departments, and on the College campus.

Emergency medical training is provided in the following areas:

Advanced Cardiac Life Support

Advanced Life Support Experienced Provider

Advanced Medical Life Support

Basic/Advanced EKG Interpretation

Bioterrorism and EMS

Cardiopulmonary Resuscitation (CPR)

CPR Instructor

Emergency Medical Technician - Basic\*

Emergency Medical Technician - Refresher\*

Emergency Medical Technician - Continuing Education

Emergency Vehicle Operator

EMS Instructor Methodology

First Aid for Business and Industry

First Aid and CPR

First Aid for Child Care Providers

Geriatric Education for EMS

Medical Responder\*

PALS Instructor

Paramedic\*

Paramedic Continuing Education

Paramedic Refresher\*

Pediatric Advanced Life Support

Trauma Life Support (Basic, Advanced, Pediatric)

*\*Courses have special admissions requirements; 336.249.8186.***Fire and Rescue Training**

The growing Piedmont area of North Carolina requires the expansion of fire fighting and rescue units and an upgrading of fire personnel. The need for better-trained personnel, knowledgeable in the latest techniques, is met through training provided by the School of Health, Wellness, and Public Safety of the College. There is no charge to fire and rescue personnel for these courses.

Fire Service Training sessions are often held in the local fire and rescue departments, allowing men and women to be trained as an organized group utilizing equipment they would ordinarily use in controlling emergency scenes.

**NOTE:** College policy reflects the recommendations of the NC Fire and Rescue Commission's Junior Member Standard (2nd Edition, May 2009). Please contact the College's Fire/Rescue Coordinator for additional information at 336.224.4802.

Some of the more popular fire and rescue courses include:

Confined Space Rescue

CPR and First Aid

Fire Apparatus Practices

Fire/Arson Detection and Investigation

Firefighter II

Firefighting Procedures and Tactics

Handling Hazardous Materials



Introduction to Fire Fighting

Live Fire Structural Burning

Low and High Angle Rescue

Portable Fire Extinguishers

Preparing for Natural Disasters

Protective Breathing Equipment

Rescue Technician

Rescue Techniques

Rope Practices

Structural Collapse

Trench Rescue

Vehicle Extrication

Weapons of Mass Destruction

### **Seminars and Workshops**

The College sponsors or co-sponsors special seminar-type programs (for example, the annual Emergency Services College), which are offered in an effort to create a highly concentrated emphasis on a particular subject area. Suggestions and recommendations from business and industry are encouraged for the planning and scheduling of these programs.

The College is host to a number of local and state groups that conduct seminars and conferences. The centrally located campus and modern conference center is ideal for one day or weeklong conferences. Lodging facilities and restaurants are located nearby for out-of-town participants. For more information about booking the DCCC Conference Center, please call 336.224.4632.

### **Leadership and Management Development Training Programs**

Leadership and management development training programs can be customized to meet employers' needs and the needs of their employees. The College's courses are designed to offer practical applications to current needs of business and industry and to enhance the personal growth and development of individual employees.

The list below represents only some of the more popular courses and special programs available through continuing education to businesses and industries in the area:

Communication Skills

Conflict Management

Customer Service

Fundamentals of Financial and Operations Management

Human Resource Management

First Aid and CPR for Business and Industry

Industrial Safety

Leadership Development

Project Management

Spanish for HR/Supervisors

Supervision

Team Building

Time Management

The duration and scheduling of these courses can be tailored to company and employee needs; courses typically meet for two or three hours per session at a DCCC campus, on the worksite, or at a predetermined site. Grades may be awarded to individuals satisfactorily completing a course by maintaining a minimum of 90% attendance based on contact hours.

## **Business and Industry Services**

A wide range of business and industry services are available to employers in the College's service area. Each service may be customized to meet the specific needs of the employer.

As part of these services, training needs assessments are available to business and industry. Review of the gaps between desired workplace skills and performance and existing workplace skills and performance help determine appropriate training programs to impact employee growth and productivity. Some training may qualify for special funding through the North Carolina Community College System.

For additional information, call 336.224.4589 or visit the College website at [www.davidsonccc.edu](http://www.davidsonccc.edu).

### **WorkKeys Center**

WorkKeys is a nationally recognized and approved job skills assessment system developed and administered by ACT, Inc. The various assessments measure competencies in "real world" skills that employers believe are critical to job success. The WorkKeys Center offers skills review, job profiling, assessment of employees or job applicants, and scoring services. For additional information, call 336.224.4539 or visit [www.davidsonccc.edu](http://www.davidsonccc.edu) for more information.

### **Career Readiness Certificate Program**

The College works directly with the North Carolina Community College System to offer the Career Readiness Certificate (CRC) Program on a state and national level. Based on the WorkKeys system, CRC is a portable credential for potential employees and employers.

Employers are increasingly concerned with ensuring that both potential and incumbent employees have the skills necessary to thrive in today's workplace. More than 80% of all jobs are projected to require skills beyond those earned in high school.

For an executive contemplating moving a business to North Carolina, expanding an existing company or even just sustaining operations in a fiercely competitive environment, the skill level of the available workforce is often a deciding factor. As a result, both job seekers and incumbent workers are increasingly called upon to demonstrate a more advanced set of skills or at least the ability to develop those skills through on-the-job training.

North Carolina's Career Readiness Certification (CRC) is designed to meet the needs of both employers and job seekers in this transitioning economy.

- For employers, the CRC offers a reliable means of determining whether a potential employee has the necessary literacy, math, and problem solving skills to be job-ready.
- For job seekers, the CRC serves as a portable credential that can be more meaningful to employers than a high school degree or a resume citing experience in a different job setting.

There are three levels of certification:

- Gold Level — Qualifies an individual for 85% of all jobs
- Silver Level — Qualifies an individual for 65% of all jobs
- Bronze Level — Qualifies an individual for 30% of all jobs

For additional information, call 336.224.4539 or visit the College's website or [www.crcnc.com](http://www.crcnc.com).

### **Customized Training Program**

The purpose of the Customized Training Program is to provide customized training assistance in support of full-time production and direct customer service positions created in North Carolina, thereby enhancing the growth potential of companies located in the state while simultaneously preparing North Carolina's workforce with the skills essential to successful employment in emerging industries.

The program is targeted toward businesses that are:

- Making an appreciable capital investment;
- Deploying new technology;
- Creating jobs, expanding an existing workforce, or enhancing the productivity and profitability of the operations with the State.

Each of the College's customized training programs is customer driven. The College works with the customer to determine course content, schedule, methodology, and location based on the customer's needs and preferences. Training programs can be developed to upgrade the skills of the existing employees or to train participants for potential employment. These customized programs are developed to impact employee growth and productivity. For additional information, contact Wanda Ramos-McPherson, Director, at 336.224.4589 or visit [www.davidsonccc.edu](http://www.davidsonccc.edu).

### **Small Business Center**

The purpose of the DCCC Small Business Center is to provide counseling and training for existing and prospective small businesses in Davidson and Davie Counties. The mission of the Small Business Center is to provide high quality and readily accessible assistance to small businesses in order to guide and assist start-up businesses, expand existing small businesses, and increase their rate of success.

Throughout the year, and often in partnership with other local agencies, the Small Business Center offers seminars, workshops, and courses on a wide variety of topics to help small businesses be successful. Qualified presenters, who are experts in their field, are used to meet training needs for small businesses. Examples of classes, many of which are free, include the following:

6.1.14

- Setting Up and Starting a Small Business
- Writing a Business Plan
- Cash Management
- Record Keeping & Financial Planning
- Marketing
- Obtaining a Loan

The Small Business Center also offers confidential business counseling at no cost. Business counseling through the Small Business Center offers individuals a sounding board for ideas and concerns regarding starting a business as well as managing existing business concerns.

In addition, the Small Business Center has a Resource Center, which is a library of professional resources that are available for existing and prospective small business owners. The Resource Center contains business-related books, videos, and a computer with Internet access.

For additional information about Small Business Center services, contact the Small Business Center Director, at 336.224.4557 or visit the College's website.

### **License/Certification Preparation & Renewal**

Continuing Education courses are available at the Davidson and Davie campuses to prepare participants for licensure/certification and/or renewal in the following areas:

Auto Dealers License Preparation and Renewal

Auto OBD II Emissions Certification and Recertification

Automobile Vehicle Safety Inspection

CPR

Electrical Contractor

Emergency Medical Technician

EPA/CFC Refrigerant Certification

Firefighter II

First Aid

General Contractor

Heating and Plumbing Contractor's License Renewal

HVAC Contractor

Home Inspector

Notary Public Training

Nursing Assistant I & II

Paramedic

Plumbing Contractor

Propane Worker Certification

Standard Inspection Code Enforcement Levels I, II, III:

- Building
- Electrical
- Mechanical
- Plumbing

## **Health Continuing Education Courses**

Employees or persons seeking entry into health-related fields can choose from a variety of Continuing Education opportunities offered at the Davidson and Davie campuses. These courses have special admissions requirements.

Course offerings include:

Case Management Assistant

Healthcare Billing & Coding

Health Unit Coordinator

ICD-10

Maternal Case Management

Medication Aide

Nursing Assistant I

Nursing Assistant II

Pediatric Case Management

Students must apply through the School of Health, Wellness, and Public Safety at 336.224.4791.

## **Cost of Enrolling in Continuing Education Programs**

Standard Continuing Education course fees are based on course length and the category in which a particular course is placed. Policies and fees are subject to change at any time during an academic year.

### **Fee Categories**

#### **Courses with hours between 1-24**

\$70 per course

#### **Courses with hours between 25-50**

\$125 per course

#### **Courses with 51+ hours**

\$180 per course

#### **Technology Fee (if applicable)**

\$5 per course

#### **Materials Fee (if applicable)**

Fees are variable but usually range from \$5 - \$10 per course

#### **Job related courses for public law enforcement personnel, firefighters, emergency medical, or rescue personnel (paid or volunteer)**

\*No Charge

\*Per G.S. 115D-5(b)(2): Eligibility for waivers is based on affiliation with an authorized volunteer, municipal, county, or State organization. All courses must support the organizations' training needs.

The General Statutes do not include federal fire departments among the organizations authorized to receive tuition and fee waivers. Federal firefighters shall be charged regular continuing education registration fee rates for training. G.S. 115D-39 provides that federal firefighters whose permanent duty station is within North Carolina shall be eligible for the in-state (resident) tuition rate for courses that support their organizations' training needs and are approved for this purpose by the State Board of Community Colleges. At this time, the State Board has not approved any curriculum courses to support federal fire department training needs.



## Report of Performance Measures and Standards

### **LAST UPDATED:**

Jun 1 2014

### **Report on NCCCS Performance Measures for Student Success**

Each year, Davidson County Community College, along with the other colleges in the North Carolina Community College System (NCCCS), reports data on eight Performance Measures for Student Success. The data give prospective and current students the opportunity to determine how their college is performing in relation to all other NCCCS institutions and the standards set by the state. The data are also used to determine the progress of each college and the NCCCS in attaining system-level goals and meeting required standards. The eight measures cover a variety of factors, including student retention and graduation, passing rates in courses and on certification examinations, college transfer performance, and other areas of importance. Any questions regarding the Performance Measures may be directed to the Coordinator, Institutional Research Services at DCCC.

### **2013 Performance Measures for Student Success (2011-12 Reporting Year)**

#### **Measure**

#### **A. Basic Skills Student Progress**

- The percentage of students who progress as defined by an educational functioning level

Goal – 51.2% Baseline – 20.6%

#### **Results**

All NC Community Colleges – 41.0%

# of Colleges Meeting Goal – 8/58

DCCC – 56.4%

#### **B. GED® Diploma Passing Rate**

- The percentage of students taking at least one GED test during a program year who receive a GED diploma during the program year

Goal – 82.0% Baseline – 49.3%

#### **Results**

All NC Community Colleges – 71.1%

# of Colleges Meeting Goal – 8/58

DCCC – 73.3%

#### **C. Developmental Student Success Rate in College-Level English Courses**

- The percentage of previous developmental English and/or reading students who successfully complete a credit English course with a grade of C or better upon the first attempt

Goal – 74.9% Baseline – 45.2%

#### **Results**

All NC Community Colleges – 63.7%

# of Colleges Meeting Goal – 7/58

DCCC – 61.2%

#### D. Developmental Student Success Rate in College-Level Math Courses

- The percentage of previous developmental math students who successfully complete a credit math course with a grade of C or better upon the first attempt 6.1.14

Goal – 75.4% Baseline – 47.5%

##### Results

All NC Community Colleges – 64.8%

# of Colleges Meeting Goal – 7/58

DCCC – 64.1%

#### E. First Year Progression (Fall 2011 Cohort)

- The percentage of first-time fall credential-seeking students attempting at least twelve hours within their first academic year who successfully complete (“P”, “C” or better) at least twelve of those hours

Goal – 74.6% Baseline – 53.2%

##### Results

All NC Community Colleges – 67.8%

# of Colleges Meeting Goal – 5/58

DCCC – 74.2%

#### F. Curriculum Student Completion (Fall 2006 Cohort)

- The percentage of first-time fall credential-seeking students who graduate, transfer, or are still enrolled with at least 36 hours after six years

Goal – 45.6% Baseline – 28.6%

##### Results

All NC Community Colleges – 41.6%

# of Colleges Meeting Goal – 18/58

DCCC – 49.6%

#### G. Licensure and Certification Passing Rate

- The Aggregate institutional passing rate of first-time test-takers on licensure and certification exams. Exams included in this measure are state mandated exams which candidates must pass before becoming active practitioners

Goal – 91.7% Baseline – 71.0%

##### Results

All NC Community Colleges – 85.2%

# of Colleges Meeting Goal – 13/58

DCCC – 92.4%

#### H. College Transfer and Performance (2010-11 Students)

- The percentage of associate degree completers and those who have completed 30 or more credit hours who transfer to a four-year college or university and earn a GPA of 2.0 or better after two consecutive semesters within the academic year at the transfer institution

Goal – 93.8% Baseline – 71.2%

##### Results

All NC Community Colleges – 87.6%

# of Colleges Meeting Goal – 9/58

DCCC – 88.6%

## School of General Studies & Academic Support

### LAST UPDATED:

Jun 1 2014

The School of General Studies and Academic Support creates and supports foundations for life-long learning, empowers our students with necessary skills for college transfer and careers, and promotes student success.

We also offer certificates, diplomas and two-year degree programs to prepare you for transfer to a senior institution or for a fulfilling career in your chosen field.

### College and Career Readiness

The College and Career Readiness program administers the following programs: Adult Basic Education (ABE), Adult High School (AHS), high school equivalency diploma preparation (GED® and other test options), English as a Second Language (ESL), Get REAL Alternative High School, Workplace Basic Skills, College Placement testing review classes and Compensatory Education.

Students should call to get further information about entry days and times.

- a. Adult Basic Education (ABE) is a program of instruction designed to assist adults who wish to improve their skills in reading, grammar, written communications, and mathematics.
- b. English as a Second Language (ESL) is a program of instruction designed for adults who are limited English proficient and whose primary language is not English.
- c. Adult High School Diploma (AHS) is a program of study that consists of core courses required by the Department of Public Instruction and the local public school systems. Along with the core courses, the College offers electives. Completing these courses enables students to receive an Adult High School Diploma once all graduation requirements are met.
- d. High School Equivalency is a program of instruction to prepare students for a series of tests which, when passed, certifies that the examinee has high school equivalency academic skills. The diploma is issued by the North Carolina Community College System when a student successfully completes the testing requirements in 4 subject areas.
- e. Get REAL (Real Educational Achievements for Life) assists youth between the ages of 16 and 21 obtain a high school credential, job skills, and employment. The program is offered collaboratively by DCCC and DavidsonWorks.
- f. Davie Campus eLink: Linking Education to Employment program serves out-of-school youth between the ages of 16 and 21 and is designed to assist students with basic skills education, life skills, and employability.
- g. Workplace Basic Skills allows employers to work collaboratively with College and Career Readiness staff to customize a program targeting basic skills that improve workplace performance.
- h. Achieving College/Career Entry (ACE) is a program for students who would like to review reading, mathematics, or language before taking or retaking the College placement assessment.
- i. Compensatory Education (CED) offers educational opportunities to individuals with intellectual disabilities. These educational opportunities assist the participants in becoming more independent and self-directed.
- j. Distance Learning opportunities are available online in the following programs: ABE, AHS, ESL, High School Equivalency (HSE), and ACE.
- k. Backpacks to Briefcases is a program that allows students enrolled in High School Equivalency (HSE) or AHS programs to dually enroll in tuition and fee-waived college courses in identified career pathways.

### College and Career Readiness Program Placement Guidelines

All students who enter College and Career Readiness programs are assessed to determine the appropriate level of placement. The assessment process determines the student's current functional level to assure placement in the program which best meets the student's needs and provides the appropriate instruction. Students entering ABE, AHS, and HSE, Get REAL and the College Placement Review (ACE) programs are assessed using the Test of Adult Basic Education (TABE). Guidelines for placement based on these assessments are as follows:

- a. Individuals must score at or above each of the following grade levels on the assessment to enroll in high school completion programs:

Reading	9.0
Math	9.0
Language	9.0

- b. Participants who score below these levels in one or more of the three areas are referred to ABE or ACE.



c. Students enrolling in a high school completion program will be informed about both the AHS and HSE programs. Students may then choose the program that best suits their needs.

d. Students in ESL and CED are assessed using specifically designed forms of the California Adult Student Assessment System (CASAS).

College and Career Readiness program placement guidelines are subject to change at any time.

## Success and Study Skills

Success and Study Skills courses are designed to enhance a student's success in college by improving skills in listening, note taking, test taking, time management, personal development, and resource usage. DCCC offers ACA 090 and ACA 122 to develop sound study techniques and prepare for future academic opportunities.

## The College Transfer Options

- **Associate in Arts (A.A.) Degree**
- **Associate in Science (A.S.) Degree**
- **Associate in General Education (A.G.E.) Degree**

The College's Associate in Arts, Associate in Science, and Associate in General Education degree programs and the "University Core" diploma provide transfer options for students whose ultimate goal is to pursue a baccalaureate degree at senior institutions.

The Associate in Arts and Associate in Science courses are among those included in the comprehensive articulation agreement (CAA) between the University of North Carolina and its 16 institutions and the North Carolina Community College System. The Associate in General Education draws upon courses in the A.A. and A.S. degree programs and allows students a great deal of flexibility in selecting CAA courses as they build an interdisciplinary degree path. However, students pursuing the A.G.E. and their advisors should work closely with one another and the senior institution to assure the university's general education core is met. Increasingly several of the area private colleges and universities have also adopted courses within the CAA agreement. Students pursuing the A.A. or A.S. — as well as the A.G.E. — should consult the catalog of the institution to which they plan to transfer to guide them in selecting courses for transfer.

The college transfer degree programs are also viewed as a pre-employment credential by an increasing number of employers. Many employers consider these associate degree programs appropriate preparation for today's competitive, flexible, and global work force.

During the first two years of a liberal arts or science and mathematics baccalaureate program, students take courses in communication, humanities, foreign language study, social sciences, science, and mathematics; in addition, they begin specialized work in their own particular fields of interest. Davidson County Community College provides quality instruction in these areas for transfer to senior institutions.

In the Associate in Arts (A.A.) and Associate in Science (A.S.) degree programs, the student may choose a course of study equivalent to the first two years of the four-year college or university. By completing 60 - 64 semester hours of prescribed credit work with an average grade of "C" or better, the student qualifies for an associate degree and should then be able to transfer to a senior institution with junior year status. The Associate in General Education affords students more flexibility as they align their first two years with the university of their choice. The College provides centralized, professional advising to guide students in planning programs for transfer to the senior college or university. Students planning to transfer should consult the catalog of the institution to which they plan to transfer.

Both the Associate in Arts program and the Associate in Science program consist of courses in the following major areas: English, social science, humanities, mathematics, natural science, and physical education, as well as electives. The Associate in Arts program also includes study of a foreign language. Students who need preparation for college-level work are provided pre-curriculum education to help them be successful in their program of study.

Upon successful completion of the Associate in Arts, Associate in Science or Associate in General Education, the student should be able to:

1. Communicate effectively.
2. Think critically.
3. Demonstrate information literacy.
4. Demonstrate interdependence.

## AQUARIUM SCIENCE TECHNOLOGY

The Aquarium Science Technology curriculum prepares students for employment in zoological parks, aquaria, or other settings requiring animal care, breeding, education/conservation, or health of exotic animals.

Course work emphasizes anatomy, physiology, reproduction, behavior, and nutrition of exotic animals that are on exhibit for education and/or conservation purposes or for animals maintained for medical purposes. Students have practical experiences with basic husbandry skills, animal handling/capture/restraint skills, the ability to detect illness, and creative design of exhibits.

Graduates of the curriculum should qualify for entry-level employment opportunities in a variety of settings, including zoos, aquaria, nature science centers, and animal research facilities.

This program that prepares individuals to conserve and manage wilderness areas and the flora, marine and aquatic life therein, and manage wildlife reservations and zoological/aquarium facilities for recreational, commercial, and ecological purposes. Potential course work includes instruction in wildlife biology, marine/aquatic biology, freshwater and saltwater ecosystems, the design and operation of natural and artificial wildlife habitats, limnology, wildlife pathology, and vertebrate zoological specializations such as mammalogy, herpetology, ichthyology, ornithology, and others.

## Aquarium Science: Associate in Applied Science Degree Program

### 1st Fall

<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00 6.1.14
<a href="#">CHM131</a>	Introduction to Chemistry (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CHM131A</a>	Introduction to Chemistry Lab (CAA)	<b>CREDIT HOURS:</b>	1.00
<a href="#">BIO111</a>	General Biology I (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">ZAS112</a>	Introduction to Zoo Science	<b>CREDIT HOURS:</b>	1.00
<b>1st Spring</b>			
<a href="#">BIO112</a>	General Biology II (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">ZAS120</a>	Zoonotic Diseases	<b>CREDIT HOURS:</b>	2.00
<a href="#">ZAS113</a>	Animal Exhibits	<b>CREDIT HOURS:</b>	1.00
<a href="#">ZAS210</a>	Introduction to Aquarium Science	<b>CREDIT HOURS:</b>	4.00
<a href="#">ZAS233</a>	Zoo Ichthyology	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>Summer</b>			
<a href="#">WBL122</a>	Work Based Learning II	<b>CREDIT HOURS:</b>	2.00
<b>2nd Fall</b>			
<a href="#">ZAS243</a>	Principles of Aquarium Science	<b>CREDIT HOURS:</b>	3.00
<a href="#">ZAS234</a>	Zoo Herpetology	<b>CREDIT HOURS:</b>	3.00
<a href="#">ZAS272</a>	Aquatic Pathophysiology	<b>CREDIT HOURS:</b>	3.00
<a href="#">ZAS114</a>	Species Survival Plans	<b>CREDIT HOURS:</b>	1.00
<a href="#">ZAS130</a>	Introduction to Ethology	<b>CREDIT HOURS:</b>	3.00
<a href="#">COM231</a>	Public Speaking (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>2nd Spring</b>			
<a href="#">PHI240</a>	Introduction to Ethics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ZAS115</a>	Introduction to Wildlife Law	<b>CREDIT HOURS:</b>	1.00
<a href="#">ZAS250</a>	Applied Zoo Management	<b>CREDIT HOURS:</b>	3.00
<a href="#">MSC174</a>	Marine Invertebrate Zoo	<b>CREDIT HOURS:</b>	4.00
<a href="#">BIO243</a>	Marine Biology	<b>CREDIT HOURS:</b>	4.00
<a href="#">WBL211</a>	Work Based Learning IV	<b>CREDIT HOURS:</b>	1.00

## ASSOCIATE IN ARTS DEGREE PROGRAM

The Associate in Arts (A.A.) program is included in the agreement between North Carolina's community colleges and its four-year colleges and universities. It is designed to provide students with an opportunity to take the first two years of a four-year program in many majors.

College transfer programs such as the Associate in Arts are designed to assist your transition towards a Bachelor's degree, not necessarily into a job. Students completing the AA, but do not transfer, may find work in a variety of settings.

If your plan is to transfer to a four-year college or university, you'll get many of your prerequisites out of the way, while allowing you to develop self-discipline and study skills in a nurturing environment.

### **Associate in Arts Degree**

\*NOTE: Students cannot take both BIO 110 and BIO 111; it is recommended that students take one life (BIO) and one physical (CHM or PHY)

**1st Semester**

<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00

**Choose two Social/Behavioral Science courses from below for 1st Semester (Must have different prefixes)**

<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">SOC210</a>	Introduction to Sociology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS111</a>	World Civilizations I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS112</a>	World Civilizations II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS131</a>	American History I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS132</a>	American History II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO251</a>	Principles of Microeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO252</a>	Principles of Macroeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00

**CHOOSE one humanities/fine arts COURSE from below FOR 1ST SEMESTER**

<a href="#">ART111</a>	Art Appreciation (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MUS110</a>	Music Appreciation (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">PHI240</a>	Introduction to Ethics (CAA)	<b>CREDIT HOURS:</b>	3.00

**2nd Semester**

<a href="#">ENG112</a>	Argument-Based Research (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">COM231</a>	Public Speaking (CAA)	<b>CREDIT HOURS:</b>	3.00

**CHOOSE one natural science course from below FOR 2nd SEMESTER\***

<a href="#">BIO110</a>	Principles of Biology (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">BIO111</a>	General Biology I (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">PHY110</a>	Conceptual Physics (CAA)	<b>CREDIT HOURS:</b>	3.00

**CHOOSE ONE social/behavioral SCIENCE COURSE from below FOR 2nd SEMESTER (MUST HAVE DIFFERENT PREFIXES)**

<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">SOC210</a>	Introduction to Sociology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS111</a>	World Civilizations I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS112</a>	World Civilizations II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS131</a>	American History I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS132</a>	American History II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO251</a>	Principles of Microeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO252</a>	Principles of Macroeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00

**CHOOSE ONE humanities/fine arts COURSE FROM BELOW FOR 2ND SEMESTER**

<a href="#">ART111</a>	Art Appreciation (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MUS110</a>	Music Appreciation (CAA)	<b>CREDIT HOURS:</b>	3.00

<a href="#">PHI240</a>	Introduction to Ethics (CAA)	<b>HOURS: CREDIT HOURS:</b>	3.00
			6.1.14
<b>3rd Semester</b>			
<a href="#">MAT152</a>	Statistical Methods I (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">ACA122</a>	College Transfer Success	<b>CREDIT HOURS:</b>	1.00
<a href="#">PEDCOURSE</a>	Ped Course	<b>CREDIT HOURS:</b>	1.00
<a href="#">TRANSFERELECTIVE</a>	Transfer Elective	<b>CREDIT HOURS:</b>	3.00
<b>CHOOSE ONE english COURSE FROM BELOW FOR 3rd SEMESTER</b>			
<a href="#">ENG231</a>	American Literature I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG232</a>	American Literature II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG242</a>	British Literature II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG262</a>	World Literature II (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>CHOOSE ONE foreign language COURSE FROM BELOW FOR 3RD SEMESTER</b>			
<a href="#">SPA111</a>	Elementary Spanish I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">FRE111</a>	Elementary French I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CHI111</a>	Elementary Chinese I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">GER111</a>	Elementary German I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">JPN111</a>	Elementary Japanese I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">POR111</a>	Elementary Portuguese I (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>4th Semester</b>			
<a href="#">PEDCOURSE</a>	Ped Course	<b>CREDIT HOURS:</b>	1.00
<a href="#">TRANSFERELECTIVE</a>	Transfer Elective	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRANSFERELECTIVE</a>	Transfer Elective	<b>CREDIT HOURS:</b>	3.00
<a href="#">NSTRANSFERELECTIVE</a>	Natural Science Transfer Elective	<b>CREDIT HOURS:</b>	3.00
<b>CHOOSE ONE FOREIGN LANGUAGE COURSE FROM BELOW FOR 4TH SEMESTER</b>			
<a href="#">SPA112</a>	Elementary Spanish II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">FRE112</a>	Elementary French II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CHI112</a>	Elementary Chinese II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">GER112</a>	Elementary German II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">JPN112</a>	Elementary Japanese II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">POR112</a>	Elementary Portuguese II (CAA)	<b>CREDIT HOURS:</b>	3.00

## Associate in Arts (High School Career and College Promise)

### After High School

Hours Needed to Complete Associate Degree: 30

### What it's about

The Associate in Arts College Transfer Pathway (AACTP) is designed for high school junior and seniors who wish to begin study toward the Associate in Arts degree and a baccalaureate degree in a non-STEM major.

High school students in the Associate in Arts Career & College Promise College Transfer Pathway must complete the entire pathway before taking

## Minimum Placement Test Scores

Reading & Sentence Skills - 165

Math Score - 7

Math Modules - 010-060

<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">ENG112</a>	Argument-Based Research (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">COM231</a>	Public Speaking (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">ACA122</a>	College Transfer Success	<b>CREDIT HOURS:</b>	1.00
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### Select two courses from the following

<a href="#">ART111</a>	Art Appreciation (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">MUS110</a>	Music Appreciation (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">PHI240</a>	Introduction to Ethics (CAA)	<b>CREDIT HOURS:</b>	3.00
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### Select three courses from the following with at least 2 different prefixes

<a href="#">ECO251</a>	Principles of Microeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">ECO252</a>	Principles of Macroeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">HIS111</a>	World Civilizations I (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">HIS112</a>	World Civilizations II (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">HIS131</a>	American History I (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">HIS132</a>	American History II (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">SOC210</a>	Introduction to Sociology (CAA)	<b>CREDIT HOURS:</b>	3.00
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### Select one course from the following

<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">MAT152</a>	Statistical Methods I (CAA)	<b>CREDIT HOURS:</b>	4.00
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<a href="#">MAT171</a>	Precalculus Algebra (CAA)	<b>CREDIT HOURS:</b>	4.00
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### Select one course from the following

<a href="#">BIO110</a>	Principles of Biology (CAA)	<b>CREDIT HOURS:</b>	4.00
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<a href="#">BIO111</a>	General Biology I (CAA)	<b>CREDIT HOURS:</b>	4.00
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<a href="#">CHM151</a>	General Chemistry I (CAA)	<b>CREDIT HOURS:</b>	4.00
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<a href="#">PHY110</a>	Conceptual Physics (CAA)	<b>CREDIT HOURS:</b>	3.00
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## ASSOCIATE IN SCIENCE DEGREE PROGRAM

The Associate in Science (A.S.) program is included in the agreement between North Carolina's community colleges and its four-year colleges and universities. It is designed to provide students with an opportunity to take the first two years of a four-year program in many majors.

The course work includes composition and literature, humanities, mathematics, natural and social sciences, computer applications and physical education. ACA090 Student Success is recommended.

If your plan is to transfer to a four-year college or university, you'll get many of your prerequisites out of the way, while allowing you to develop self-discipline and study skills in a nurturing environment.

**1st Fall**

<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT172</a>	Precalculus Trigonometry (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">BIO111</a>	General Biology I (CAA)	<b>CREDIT HOURS:</b>	4.00

**CHOOSE ONE SOCIAL/BEHAVIORAL SCIENCE COURSE FROM BELOW FOR 1st fall (must be different prefixes)**

<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">SOC210</a>	Introduction to Sociology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS111</a>	World Civilizations I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS112</a>	World Civilizations II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS131</a>	American History I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS132</a>	American History II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO251</a>	Principles of Microeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO252</a>	Principles of Macroeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00

**1st Spring**

<a href="#">ENG112</a>	Argument-Based Research (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">BIO112</a>	General Biology II (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">COM231</a>	Public Speaking (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT271</a>	Calculus I (CAA)	<b>CREDIT HOURS:</b>	4.00

**CHOOSE ONE HUMANITIES/FINE ART COURSE FROM BELOW FOR 1ST SPRING**

<a href="#">ART111</a>	Art Appreciation (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MUS110</a>	Music Appreciation (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">PHI240</a>	Introduction to Ethics (CAA)	<b>CREDIT HOURS:</b>	3.00

**2nd Fall**

<a href="#">ACA122</a>	College Transfer Success	<b>CREDIT HOURS:</b>	1.00
<a href="#">CHM151</a>	General Chemistry I (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">PEDCOURSE</a>	Ped Course	<b>CREDIT HOURS:</b>	1.00
<a href="#">MSTRANSFERELECTIVE</a>	Math Science Transfer Elective	<b>CREDIT HOURS:</b>	4.00

**CHOOSE ONE english COURSE FROM BELOW FOR 2nd fall**

<a href="#">ENG231</a>	American Literature I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG232</a>	American Literature II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG242</a>	British Literature II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG262</a>	World Literature II (CAA)	<b>CREDIT HOURS:</b>	3.00

**CHOOSE ONE FOREIGN LANGUAGE COURSE FROM BELOW FOR 2ND FALL**

<a href="#">SPA111</a>	Elementary Spanish I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">POR111</a>	Elementary Portuguese I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">GER111</a>	Elementary German I (CAA)	<b>CREDIT HOURS:</b>	3.00

<a href="#">FRE111</a>	Elementary French I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CHI111</a>	Elementary Chinese I (CAA)	<b>CREDIT HOURS:</b>	3.00 6.1.14
<a href="#">SPA111</a>	Elementary Spanish I (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>2nd Spring</b>			
<a href="#">CHM152</a>	General Chemistry II (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">MSTRANSFERELECTIVE</a>	Math Science Transfer Elective	<b>CREDIT HOURS:</b>	4.00
<b>CHOOSE ONE SOCIAL/BEHAVIORAL SCIENCE COURSE FROM BELOW FOR 2ND SPRING (MUST BE DIFFERENT PREFIXES)</b>			
<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">SOC210</a>	Introduction to Sociology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS111</a>	World Civilizations I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS112</a>	World Civilizations II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS131</a>	American History I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS132</a>	American History II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO251</a>	Principles of Microeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO252</a>	Principles of Macroeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>CHOOSE ONE FOREIGN LANGUAGE COURSE FROM BELOW FOR 2ND SPRING</b>			
<a href="#">SPA112</a>	Elementary Spanish II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">POR112</a>	Elementary Portuguese II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">GER112</a>	Elementary German II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">FRE112</a>	Elementary French II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">JPN112</a>	Elementary Japanese II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CHI112</a>	Elementary Chinese II (CAA)	<b>CREDIT HOURS:</b>	3.00

## **Associate in Science (High School Career and College Promise)**

### **After High School**

Hours Needed to Complete Associate Degree: 30

### **What it's about**

The Associate in Science College Transfer Pathway (ASCTP) is designed for high school juniors and seniors who wish to begin study toward the Associate in Science degree and a baccalaureate degree in a STEM or technical major.

High school students in the Associate in Science Career & College Promise College Transfer Pathway must complete the entire pathway before taking additional courses in the Associate in Science degree.

### **Minimum Placement Test Scores**

Reading & Sentence Skills - 165

Math Score - 7

Math Modules - 010-060

<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG112</a>	Argument-Based Research (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">COM231</a>	Public Speaking (CAA)	<b>CREDIT HOURS:</b>	3.00 103
<a href="#">ACA122</a>	College Transfer Success	<b>CREDIT</b>	1.00

**Select one course from the following**

<a href="#">ART111</a>	Art Appreciation (CAA)	<b>CREDIT HOURS:</b>	3.00	6.1.14
<a href="#">MUS110</a>	Music Appreciation (CAA)	<b>CREDIT HOURS:</b>	3.00	
<a href="#">PHI240</a>	Introduction to Ethics (CAA)	<b>CREDIT HOURS:</b>	3.00	

**Select two courses from the following with different prefixes**

<a href="#">ECO251</a>	Principles of Microeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO252</a>	Principles of Macroeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS111</a>	World Civilizations I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS112</a>	World Civilizations II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS131</a>	American History I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">SOC210</a>	Introduction to Sociology (CAA)	<b>CREDIT HOURS:</b>	3.00

**Select two courses from the following**

<a href="#">MAT171</a>	Precalculus Algebra (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">MAT172</a>	Precalculus Trigonometry (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">MAT271</a>	Calculus I (CAA)	<b>CREDIT HOURS:</b>	4.00

**Select one group from below****Group 1**

<a href="#">BIO111</a>	General Biology I (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">BIO112</a>	General Biology II (CAA)	<b>CREDIT HOURS:</b>	4.00

**Group 2**

<a href="#">CHM151</a>	General Chemistry I (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">CHM152</a>	General Chemistry II (CAA)	<b>CREDIT HOURS:</b>	4.00

**Group 3**

<a href="#">PHY151</a>	College Physics I (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">PHY152</a>	College Physics II (CAA)	<b>CREDIT HOURS:</b>	4.00

**Group 4**

<a href="#">PHY251</a>	General Physics I (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">PHY252</a>	General Physics II (CAA)	<b>CREDIT HOURS:</b>	4.00

**ASSOCIATE IN GENERAL EDUCATION DEGREE PROGRAM**

A 64 or 65-hour Associate in Arts degree in General Education is available to students who would like to transfer to a four-year college or university to complete a degree in education. It is designed to provide students with an opportunity to take the first two years of a four-year program in Education.

The course work includes composition and literature, social, natural and behavioral sciences, humanities, fine arts, and mathematics. ACA090 Student Success is recommended.

If your plan is to earn a degree in Education at a 4-year college or university, you'll get the core prerequisites out of the way, while allowing you to develop self-discipline and study skills in a nurturing environment.

**Associate in General Education Degree****1st Semester**

<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT</b>	3.00
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<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRANSFERELECTIVE</a>	Transfer Elective	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRANSFERELECTIVE</a>	Transfer Elective	<b>CREDIT HOURS:</b>	3.00
<b>Choose one course from below for 1st semester</b>			
<a href="#">MAT152</a>	Statistical Methods I (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">BIO110</a>	Principles of Biology (CAA)	<b>CREDIT HOURS:</b>	4.00
<b>2nd Semester</b>			
<a href="#">ENG112</a>	Argument-Based Research (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRANSFERELECTIVE</a>	Transfer Elective	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRANSFERELECTIVE</a>	Transfer Elective	<b>CREDIT HOURS:</b>	3.00
<b>CHOOSE ONE SOCIAL/BEHAVIORAL SCIENCE COURSE FROM BELOW FOR 2ND SEMESTER (MUST HAVE DIFFERENT PREFIXES)</b>			
<a href="#">PSY101</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">SOC210</a>	Introduction to Sociology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS111</a>	World Civilizations I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS112</a>	World Civilizations II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS131</a>	American History I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIS132</a>	American History II (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO251</a>	Principles of Microeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO252</a>	Principles of Macroeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>CHOOSE ONE HUMANITIES/FINE ART COURSE FROM BELOW FOR 2ND SEMESTER</b>			
<a href="#">ART111</a>	Art Appreciation (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MUS110</a>	Music Appreciation (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">PHI240</a>	Introduction to Ethics (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>3rd Semester</b>			
<a href="#">ACA122</a>	College Transfer Success	<b>CREDIT HOURS:</b>	1.00
<a href="#">TRANSFERELECTIVE</a>	Transfer Elective	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRANSFERELECTIVE</a>	Transfer Elective	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRANSFERELECTIVE</a>	Transfer Elective	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRANSFERELECTIVE</a>	Transfer Elective	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRANSFERELECTIVE</a>	Transfer Elective	<b>CREDIT HOURS:</b>	3.00
<b>4th Semester</b>			
<a href="#">TRANSFERELECTIVE</a>	Transfer Elective	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRANSFERELECTIVE</a>	Transfer Elective	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRANSFERELECTIVE</a>	Transfer Elective	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRANSFERELECTIVE</a>	Transfer Elective	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRANSFERELECTIVE</a>	Transfer Elective	<b>CREDIT HOURS:</b>	3.00

**ELEMENTARY EDUCATION (K-6) PROGRAM**

Davidson County Community College students can earn a 64-hour Associate in General Education (A.G.E.) degree that transfers to North Carolina A&T State University, where the student completes a Bachelor's degree (64-68 hours) with an Elementary Education Teacher's license for grades kindergarten through sixth.

The course work includes education courses along with Global Studies or Math, Science, and Technology. DCCC graduates who work in local public schools are able to complete the A&T student teaching experience at the local work site.

If your plan is to earn a degree in Elementary Education at NC A&T, you'll get the core prerequisites out of the way, while allowing you to develop self-discipline and study skills in a nurturing environment.

**EARLY CHILDHOOD EDUCATION**

The Early Childhood Education curriculum prepares individuals to work with children from infancy through middle childhood in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with parents and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and childcare programs, preschools, public and private schools, recreational centers, Head Start Programs, and school age programs.

Upon successful completion of this program, the graduate should possess the knowledge, skills, and attitudes to:

1. Justify child development and learning.
2. Identify opportunities for family and community relationships.
3. Observe, document, and assess children to support early childhood learning.
4. Analyze developmentally appropriate strategies and apply these to connect children and families.
5. Apply content knowledge in constructing an effective early childhood curriculum.
6. Show professional behavior in a variety of settings.

The Early Childhood Education program is accredited by the National Association for the Education of Young Children (NAEYC), 1313 L St. N.W. Suite 500, Washington, DC 20005 202.232.8777 | 800.424.2460, [www.naeyc.org](http://www.naeyc.org)

**Early Childhood Education: Associate in Applied Science Degree Program**

Students who do not meet acceptable placement scores must complete appropriate preparatory courses.

**1st Fall**

<a href="#">EDU119</a>	Introduction to Early Childhood Education	<b>CREDIT HOURS:</b>	4.00
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<a href="#">EDU131</a>	Child, Family & Community	<b>CREDIT HOURS:</b>	3.00
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<a href="#">EDU153</a>	Health, Safety & Nutrition	<b>CREDIT HOURS:</b>	3.00
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<a href="#">EDU144</a>	Child Development I	<b>CREDIT HOURS:</b>	3.00
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**1st Spring**

<a href="#">EDU145</a>	Child Development II	<b>CREDIT HOURS:</b>	3.00
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<a href="#">EDU146</a>	Child Guidance	<b>CREDIT HOURS:</b>	3.00
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<a href="#">EDU151</a>	Creative Activities	<b>CREDIT HOURS:</b>	3.00
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<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
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**Summer**

<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">COM120</a>	Interpersonal Communication (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
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**2nd Fall**

<a href="#">EDU280</a>	Language & Literacy Experiences	<b>CREDIT HOURS:</b>	3.00 6.1.14
<a href="#">EDU221</a>	Children with Exceptionalities (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU259</a>	Curriculum Planning	<b>CREDIT HOURS:</b>	3.00

[EDUElective](#) EDU Elective

**2nd Spring**

[EDU251](#) Exploration Activities **CREDIT HOURS:** 3.00

[EDU271](#) Educational Technology **CREDIT HOURS:** 3.00

[EDU284](#) Early Childhood Capstone Prac **CREDIT HOURS:** 4.00

[EDUElective](#) EDU Elective

[EDUElective](#) EDU Elective

[Humanities/Fine Arts Elective](#) **CREDIT HOURS:** 3.00

**Early Childhood Education: Associate in Applied Science Degree Program - Catawba Transfer**

Students who do not meet acceptable placement scores must complete appropriate preparatory courses.

**1st Fall**

[EDU119](#) Introduction to Early Childhood Education **CREDIT HOURS:** 4.00

[EDU131](#) Child, Family & Community **CREDIT HOURS:** 3.00

[EDU153](#) Health, Safety & Nutrition **CREDIT HOURS:** 3.00

[EDU144](#) Child Development I **CREDIT HOURS:** 3.00

**1st Spring**

[EDU145](#) Child Development II **CREDIT HOURS:** 3.00

[EDU146](#) Child Guidance **CREDIT HOURS:** 3.00

[EDU151](#) Creative Activities **CREDIT HOURS:** 3.00

[MAT143](#) Quantitative Literacy (CAA) **CREDIT HOURS:** 3.00

**Summer**

[ENG111](#) Expository Writing (CAA) **CREDIT HOURS:** 3.00

[COM120](#) Interpersonal Communication (CAA) **CREDIT HOURS:** 3.00

[PSY150](#) General Psychology (CAA) **CREDIT HOURS:** 3.00

**2nd Fall**

[EDU280](#) Language & Literacy Experiences **CREDIT HOURS:** 3.00

[EDU221](#) Children with Exceptionalities (CAA) **CREDIT HOURS:** 3.00

[EDU259](#) Curriculum Planning **CREDIT HOURS:** 3.00

**Pick one course from below for 2nd Fall**

6.1.14

<a href="#">BIO110</a>	Principles of Biology (CAA)	<b>CREDIT HOURS:</b>	4.00
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<a href="#">BIO140</a>	Environmental Biology (CAA)	<b>CREDIT HOURS:</b>	3.00
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**2nd Spring**

<a href="#">EDU251</a>	Exploration Activities	<b>CREDIT HOURS:</b>	3.00
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<a href="#">EDU271</a>	Educational Technology	<b>CREDIT HOURS:</b>	3.00
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<a href="#">EDU284</a>	Early Childhood Capstone Prac	<b>CREDIT HOURS:</b>	4.00
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<a href="#">Humanities/Fine Arts Elective</a>		<b>CREDIT HOURS:</b>	3.00
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<a href="#">EDU234</a>	Infants, Toddlers & Twos	<b>CREDIT HOURS:</b>	3.00
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**Early Childhood Education: Associate in Applied Science Degree Program - Salem Transfer**

Students who do not meet acceptable placement scores must complete appropriate preparatory courses.

**SEQUENCING SHEET:**

 [Teacher Education Salem Transfer](#)

**Early Childhood Education: Diploma Program**

Note: Students who do not meet acceptable placement scores must complete appropriate preparatory courses.

**1st Fall**

<a href="#">EDU119</a>	Introduction to Early Childhood Education	<b>CREDIT HOURS:</b>	4.00
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<a href="#">EDU131</a>	Child, Family & Community	<b>CREDIT HOURS:</b>	3.00
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<a href="#">EDU144</a>	Child Development I	<b>CREDIT HOURS:</b>	3.00
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<a href="#">EDU153</a>	Health, Safety & Nutrition	<b>CREDIT HOURS:</b>	3.00
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**1st Spring**

<a href="#">EDU145</a>	Child Development II	<b>CREDIT HOURS:</b>	3.00
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<a href="#">EDU146</a>	Child Guidance	<b>CREDIT HOURS:</b>	3.00
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<a href="#">EDU151</a>	Creative Activities	<b>CREDIT HOURS:</b>	3.00
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<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
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**Summer**

<a href="#">COM120</a>	Interpersonal Communication (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">EDU259</a>	Curriculum Planning	<b>CREDIT HOURS:</b>	3.00
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<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
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**2nd Fall**

<a href="#">EDU221</a>	Children with Exceptionalities (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">EDU284</a>	Early Childhood Capstone Prac	<b>CREDIT HOURS:</b>	4.00
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**Early Childhood Education: Certificate Program - Emphasis in School Age Assistant****1st Fall**

<a href="#">EDU144</a>	Child Development I	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU153</a>	Health, Safety & Nutrition	<b>CREDIT HOURS:</b>	3.00 6.1.14
<b>1st Spring</b>			
<a href="#">EDU145</a>	Child Development II	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU146</a>	Child Guidance	<b>CREDIT HOURS:</b>	3.00
<b>2nd Fall</b>			
<a href="#">EDU221</a>	Children with Exceptionalities (CAA)	<b>CREDIT HOURS:</b>	3.00

### Early Childhood Education: Certificate Program - Emphasis in Early Childhood Teaching Assistant

Students who do not meet acceptable placement scores must complete appropriate preparatory courses.

#### **Fall**

<a href="#">EDU119</a>	Introduction to Early Childhood Education	<b>CREDIT HOURS:</b>	4.00
<a href="#">EDU131</a>	Child, Family & Community	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU144</a>	Child Development I	<b>CREDIT HOURS:</b>	3.00

#### **Spring**

<a href="#">EDU145</a>	Child Development II	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU146</a>	Child Guidance	<b>CREDIT HOURS:</b>	3.00

### Early Childhood Education: Certificate Program - Emphasis in Administration Assistant

Students who do not meet acceptable placement scores must complete appropriate preparatory courses.

#### **Fall**

<a href="#">EDU144</a>	Child Development I	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU153</a>	Health, Safety & Nutrition	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU261</a>	Early Childhood Administration I	<b>CREDIT HOURS:</b>	3.00

#### **Spring**

<a href="#">EDU145</a>	Child Development II	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU146</a>	Child Guidance	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU262</a>	Early Childhood Administration II	<b>CREDIT HOURS:</b>	3.00

### Early Childhood Education: Certificate Program - Emphasis in Infant/Toddler Care

Note: Students who do not meet acceptable placement scores must complete appropriate preparatory courses.

#### **Fall**

<a href="#">EDU119</a>	Introduction to Early Childhood Education	<b>CREDIT HOURS:</b>	4.00
<a href="#">EDU131</a>	Child, Family & Community	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU144</a>	Child Development I	<b>CREDIT HOURS:</b>	3.00

#### **Spring**

<a href="#">EDU153</a>	Health, Safety & Nutrition	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU234</a>	Infants, Toddlers & Twos	<b>CREDIT HOURS:</b>	3.00 109

## The Transfer Connection

## Associate in Applied Science (A.A.S. Degree)

Although the A.A.S. degree prepares students for immediate entry into the workforce, many students are electing to continue their education at senior colleges and universities. An increasing number of senior institutions are allowing graduates of selected A.A.S. degree programs to transfer some or all of their course work into baccalaureate degree programs. Refer to the listing of Associate in Applied Science programs as well as diploma and certificate programs for more information.

Davidson County Community College has entered into formal articulation agreements with some institutions that make it possible for graduates of certain associate degree programs to transfer to the senior institution with junior status. For example, Catawba College accepts the A.A.S. degree in Business Administration and Accounting for transfer credit, UNC-Charlotte and North Carolina A&T State University accept the A.A.S. degree in Electronics Engineering for transfer credit, UNC-Charlotte accepts the A.A.S. degree in Criminal Justice for transfer credit, and Salem College accepts the A.A.S. degree in Accounting for transfer credit.

In cases where formal articulation agreements do not exist, the senior institution will evaluate the student's transcript on a course-by-course basis and accept equivalent courses for transfer credit. A.A.S. students have successfully transferred on this basis to Appalachian State University, High Point University, North Carolina State University, UNC-Wilmington, and other institutions. It is the responsibility of each student to identify the college to which he/she is preparing to transfer and to confirm the transferability of any course in question. Assistance in this process can be provided by faculty advisors and counselors at DCCC, the General Catalog/Student Handbook, and the catalog and admissions staff at the transfer institution.

## The Occupational Connection

The College's Associate in Applied Science (A.A.S.) degree, diploma, and certificate programs prepare students to enter the workforce in a wide range of occupations through both specialized and general education courses. The Associate in Arts (A.A.), Associate in Science (A.S.), and Associate in General Education (A.G.E.) degrees (see Transfer Options) also enable students to enter the workforce by providing a strong general education desired by many employers. In addition, diploma programs and certificate programs also prepare students for employment.

**Course Number**

<a href="#">BIO110</a>	Principles of Biology (CAA)	<b>CREDIT HOURS:</b>	4.00
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<a href="#">BIO155</a>	Nutrition (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">CHM131</a>	Introduction to Chemistry (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">CHM131A</a>	Introduction to Chemistry Lab (CAA)	<b>CREDIT HOURS:</b>	1.00
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<a href="#">COM120</a>	Interpersonal Communication (CAA)	<b>CREDIT HOURS:</b>	3.00
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**Or**

<a href="#">CSC220</a>	Computing Fundamentals	<b>CREDIT HOURS:</b>	4.00
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<a href="#">EDU216</a>	Foundations of Education (CAA)	<b>CREDIT HOURS:</b>	4.00
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<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">ENG112</a>	Argument-Based Research (CAA)	<b>CREDIT HOURS:</b>	3.00
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**Or**

<a href="#">HEA110</a>	Personal Health/Wellness (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">HEA112</a>	First Aid & CPR (CAA)	<b>CREDIT HOURS:</b>	2.00
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<a href="#">HIS111</a>	World Civilizations I (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">HUM120</a>	Cultural Studies (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">PSY241</a>	Developmental Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
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**FORENSIC BIOLOGY PROGRAM**

student completes a Bachelor's degree in Forensic Biology.

DCCC graduates of the Associate in Science program are guaranteed admission to Guilford College's forensic biology program, and the courses completed at DCCC match course-for-course the work completed by students who start at Guilford College. At DCCC, students complete general education courses along with additional math and science courses.

Both the Associate in Science program at DCCC and the Bachelor's degree program at Guilford College are available to full-time and part-time students during the day and in the evening. Many courses at DCCC are offered online as well as face-to-face or with a combination format.

The course work includes composition and literature, natural and social sciences, humanities, mathematics and physical education. ACA090 Student Success is recommended.

If your plan is to earn a degree in Forensic Biology at Guilford College, you'll get the core prerequisites out of the way, while allowing you to develop self-discipline and study skills in a nurturing environment.

## GENERAL OCCUPATIONAL TECHNOLOGY

The General Occupational Technology curriculum provides individuals with an opportunity to upgrade their skills and to earn an associate degree by taking courses suited for their occupational interests and/or needs.

The curriculum content will be individualized for students according to their occupational interests and needs. A program of study for each student will be selected from associate degree-level courses offered by the College.

Graduates will become more effective workers, better qualified for advancements within their field of employment, and become qualified for a wide range of entry-level employment opportunities.

Upon successful completion of this program, the student should be able to:

1. Speak and listen effectively.
2. Communicate effectively in writing.
3. Use critical thinking to analyze and solve problems.
4. Demonstrate the ability to read information on charts, graphs, and from maps, manuals, stories, etc.
5. Use basic mathematics and science in the process of problem solving.
6. Use computers to access and process information.
7. Possess the necessary academic knowledge and technical skills for entry into employment and/or further study.
8. Deal effectively and appropriately with others.
9. Operate equipment and use instruments/tools appropriate to the specialty area.

Students already employed are encouraged to work closely with their employers in designing their emphasis of study.

### **General Occupational Technology: Associate in Applied Science Degree Program**

When a student decides to seek a General Occupational Technology (GOT) degree, an Academic Advisor in collaboration with program faculty will assist the student to develop a proposed plan for the GOT program of study. The proposed GOT program of study must contain a combination of major courses from curricula offered by the College, must be designed to provide specific job knowledge and skills, and must include a minimum of 49 semester hours credit. Work experience, including cooperative education and internships, may be included up to a maximum of 8 semester hours.

The proposed GOT program of study must be submitted to the appropriate academic division for approval prior to completion of no more than 24 semester hours of credit. In the semester prior to the semester of planned graduation, the program of study must be approved by the Vice President, Academic Programs and Services. If a student who has been or will be awarded another associate degree from the College seeks a GOT degree, the GOT program of study must contain a minimum of 15 unique credit hours beyond the alternate degree.

<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">Humanities/Fine Arts Elective</a>		<b>CREDIT HOURS:</b>	3.00
<a href="#">Social/Behavioral Science Elective</a>		<b>CREDIT HOURS:</b>	3.00
<b>Pick 1 ENG course from below</b>			
<a href="#">ENG112</a>	Argument-Based Research (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG114</a>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00

## INFANT/TODDLER CARE

The Infant/Toddler Care curriculum prepares individuals to work with children from infancy to three years of age in diverse learning environments. Students will combine learned theories, competency-based knowledge, and practice in actual settings with young children under the supervision of qualified teachers.

Course work includes infant/toddler growth and development: physical/nutritional needs of infants and toddlers; safety issues in the care of infants and toddlers; care and guidance; communication skills with parents and children; design and implementation of appropriate curriculum; and other related topics.

Graduates should be prepared to plan and implement developmentally appropriate infant/toddler programs in early childhood settings. Employment opportunities include child development and childcare programs, preschools, public and private schools, recreational centers, Early Head Start programs, and other infant/toddler programs.

6.1.14

Upon successful completion of this program, the student should be able to:

1. Describe the sequence of typical development from conception through two years of age.
2. Recognize the indicators of atypical development in infants, toddlers, and two-year-olds.
3. Demonstrate the ability to engage in appropriate interactions with infants, toddlers, and two-year-olds.
4. Recognize developmentally appropriate environments for infants, toddlers, and twos.
5. Recognize the characteristics and skills of an effective teacher of infants, toddlers, and twos.
6. Discuss the elements of quality in a program for children under three.

### **Early Childhood Education: Certificate Program - Emphasis in Infant/Toddler Care**

Note: Students who do not meet acceptable placement scores must complete appropriate preparatory courses.

#### **Fall**

<a href="#">EDU119</a>	Introduction to Early Childhood Education	<b>CREDIT HOURS:</b>	4.00
<a href="#">EDU131</a>	Child, Family & Community	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU144</a>	Child Development I	<b>CREDIT HOURS:</b>	3.00

#### **Spring**

<a href="#">EDU153</a>	Health, Safety & Nutrition	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU234</a>	Infants, Toddlers & Twos	<b>CREDIT HOURS:</b>	3.00

### **Certificate - Infant/Toddler Care (High School Career and College Promise)**

#### **What it's about**

The Infant/Toddler Care curriculum prepares individuals to work with children from infancy to three years of age in diverse learning environments. Students will combine learned theories, competency-based knowledge, and practice in actual settings with young children under the supervision of qualified teachers.

#### **What you can get**

Upon successful completion of all courses in this CCP pathway, the student will be awarded a Certificate in Early Childhood Education - Emphasis in Infant/Toddler Care from DCCC.

#### **Minimum Placement Test Scores**

Reading & Sentence Skills - 165  
 Math Score - 7  
 Math Modules - 010-030

#### **After High School**

Hours Needed to Complete Diploma: 25  
 Hours Needed to Complete Associate Degree: 53

#### **High School Junior Year (Fall)**

<a href="#">EDU119</a>	Introduction to Early Childhood Education	<b>CREDIT HOURS:</b>	4.00
<a href="#">EDU144</a>	Child Development I	<b>CREDIT HOURS:</b>	3.00

#### **High School Junior Year (Spring)**

<a href="#">EDU131</a>	Child, Family & Community	<b>CREDIT HOURS:</b>	3.00
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#### **High School Senior Year (Fall)**

<a href="#">EDU153</a>	Health, Safety & Nutrition	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU234</a>	Infants, Toddlers & Twos	<b>CREDIT HOURS:</b>	3.00

### **LEADERSHIP IN THE PUBLIC SECTOR PROGRAM**

112

Davidson County Community College students can earn a 65-hour Associate in Arts (A.A.) degree that transfers to North Carolina State University, where the student completes a Bachelor's degree in leadership in the Public Sector and is able to complete the degree completely online.



DCCC graduates of the Associate in Arts program are guaranteed admission to NC State's program, and the courses completed at DCCC match course-for-course the work completed by students who start at the university. At DCCC, students complete general education courses along with additional course work in social sciences and humanities.

6.1.14

Both the Associate in Arts program at DCCC and the Bachelor's degree program at NC State are available to full-time and part-time students during the day and in the evening. Many courses at DCCC are offered online as well as face-to-face or with a combination format.

The course work includes composition and literature, humanities, mathematics, natural and social sciences, computer applications and physical education. ACA090 Student Success is recommended for all students.

If your plan is to transfer to a four-year college or university, you'll get many of your prerequisites out of the way, while allowing you to develop self-discipline and study skills in a nurturing environment.

## SCHOOL AGE EDUCATION

This curriculum prepares individuals to work with children in elementary through middle grades in diverse learning environments. Students will combine learned theories with practice in actual settings with school-age children under the supervision of qualified teachers.

Course work includes child growth/development; computer technology in education; physical/nutritional needs of school-age children; care and guidance of school-age children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of school-age populations.

Graduates are prepared to plan and implement developmentally appropriate programs in school-aged environments. Employment opportunities include school-age teachers in childcare programs, before/after school programs, paraprofessional positions in public/private schools, recreational centers, and other programs that work with school-age populations.

Upon successful completion of this program, the student should possess the knowledge, skills, and attitude to:

1. Use developmental knowledge to create effective learning environments.
2. Support and engage families and communities in the educational setting.
3. Implement technology to support student learning outcomes.
4. Demonstrate professional behavior in a variety of settings.

### School Age Education: Associate in Applied Science Degree Program - Emphasis in Infant/Toddler Care

#### **1st Fall**

<a href="#">EDU119</a>	Introduction to Early Childhood Education	<b>CREDIT HOURS:</b>	4.00
<a href="#">EDU131</a>	Child, Family & Community	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU144</a>	Child Development I	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00

#### **Choose 1 Elective for 1st Fall**

#### **1st Spring**

<a href="#">EDU145</a>	Child Development II	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU163</a>	Classroom Management & Instruction	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU216</a>	Foundations of Education (CAA)	<b>CREDIT HOURS:</b>	4.00

#### **Choose 1 Elective for 1st Spring**

#### **Summer**

<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
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#### **Choose 1 Humanities Elective for Summer**

#### **2nd Fall**

<a href="#">EDU221</a>	Children with Exceptionalities (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU259</a>	Curriculum Planning	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU275</a>	Effective Teacher Training	<b>CREDIT HOURS:</b>	2.00
<a href="#">EDU280</a>	Language & Literacy Experiences	<b>CREDIT HOURS:</b>	3.00

**Choose 1 Elective for 2nd Fall****2nd Spring**

<a href="#">EDU271</a>	Educational Technology	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU251</a>	Exploration Activities	<b>CREDIT HOURS:</b>	3.00

**Electives**

<a href="#">BIO110</a>	Principles of Biology (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">BIO111</a>	General Biology I (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">BIO140</a>	Environmental Biology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CHM131</a>	Introduction to Chemistry (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU146</a>	Child Guidance	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU151</a>	Creative Activities	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU153</a>	Health, Safety & Nutrition	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU222</a>	Learn with Behavioral Disorders	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU223</a>	Specific Learning Disabilities	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU247</a>	Sensory & Physical Disabilities	<b>CREDIT HOURS:</b>	3.00
<a href="#">EDU248</a>	Developmental Delays	<b>CREDIT HOURS:</b>	3.00
<a href="#">PED111</a>	Physical Fitness I (CAA)	<b>CREDIT HOURS:</b>	1.00
<a href="#">PED113</a>	Aerobics I (CAA)	<b>CREDIT HOURS:</b>	1.00
<a href="#">PED117</a>	Weight Training I (CAA)	<b>CREDIT HOURS:</b>	1.00
<a href="#">PED119</a>	Circuit Training (CAA)	<b>CREDIT HOURS:</b>	1.00
<a href="#">PED120</a>	Walking for Fitness (CAA)	<b>CREDIT HOURS:</b>	1.00
<a href="#">PED121</a>	Walk, Jog, Run (CAA)	<b>CREDIT HOURS:</b>	1.00
<a href="#">PED125</a>	Self-Defense-Beginning (CAA)	<b>CREDIT HOURS:</b>	1.00
<a href="#">PED128</a>	Golf-Beginning (CAA)	<b>CREDIT HOURS:</b>	1.00
<a href="#">PED130</a>	Tennis-Beginning (CAA)	<b>CREDIT HOURS:</b>	1.00
<a href="#">PED137</a>	Badminton (CAA)	<b>CREDIT HOURS:</b>	1.00
<a href="#">PED138</a>	Archery (CAA)	<b>CREDIT HOURS:</b>	1.00
<a href="#">PED139</a>	Bowling-Beginning (CAA)	<b>CREDIT HOURS:</b>	1.00
<a href="#">PED142</a>	Lifetime Sports (CAA)	<b>CREDIT</b>	1.00

<a href="#">PED143</a>	Volleyball-Beginning (CAA)	<b>HOURS:</b>	1.00
<a href="#">PED145</a>	Basketball-Beginning (CAA)	<b>HOURS:</b>	1.00 <sup>6.1.14</sup>
<a href="#">PED152</a>	Swimming-Beginning (CAA)	<b>HOURS:</b>	1.00
<a href="#">PED170</a>	Backpacking (CAA)	<b>HOURS:</b>	1.00
<a href="#">SOC210</a>	Introduction to Sociology (CAA)	<b>HOURS:</b>	3.00
<a href="#">SOC213</a>	Sociology of the Family (CAA)	<b>HOURS:</b>	3.00
<a href="#">SOC220</a>	Social Problems (CAA)	<b>HOURS:</b>	3.00
<a href="#">SPA111</a>	Elementary Spanish I (CAA)	<b>HOURS:</b>	3.00
<a href="#">SPA112</a>	Elementary Spanish II (CAA)	<b>HOURS:</b>	3.00

## ZOO SCIENCE TECHNOLOGY

The Zoological Science Technology curriculum prepares students for employment in zoological parks, aquaria, or other settings requiring animal care, breeding, education/conservation, or health of exotic animals.

Course work emphasizes anatomy, physiology, reproduction, behavior, and nutrition of exotic animals that are on exhibit for education and/or conservation purposes or for animals maintained for medical purposes. Students have practical experiences with basic husbandry skills, animal handling/capture/restraint skills, the ability to detect illness, and creative design of exhibits.

Graduates of the curriculum should qualify for entry-level employment opportunities in a variety of settings, including zoos, aquaria, nature science centers, and animal research facilities.

This program that focuses on the application of biological principles to the study of vertebrate wildlife, wildlife habitats, and related ecosystems in remote and urban areas. Potential course work includes instruction in animal ecology; adaptational biology; urban ecosystems; natural and artificial habitat management; limnology; wildlife pathology; and vertebrate zoological specializations such as mammalogy, herpetology, ichthyology, ornithology, and others.

Upon successful completion of this program, the student should be able to:

1. Demonstrate exhibit protocol paying particular attention to details of cleaning, disinfecting and basic repair.
2. Communicate with peers in a professional manner using appropriate tones and terminology.
3. Understand and effectively apply principles of environmental enrichment and operant conditioning in the daily care of collection.
4. Demonstrate skills valued in the workplace including positive attitude, enthusiasm, ability to work effectively in a team environment and initiative.
5. Demonstrate a strong commitment towards professionalism in their appearance, punctuality, preparedness, dependability and reliability, and work ethic.
6. Demonstrate effective written and oral communication skills with consumers and with coworkers.

## Zoo Science: Associate in Applied Science Degree Program

### **1st Fall**

<a href="#">ENG111</a>	Expository Writing (CAA)	<b>HOURS:</b>	3.00
<a href="#">PSY150</a>	General Psychology (CAA)	<b>HOURS:</b>	3.00
<a href="#">BIO111</a>	General Biology I (CAA)	<b>HOURS:</b>	4.00
<a href="#">ZAS112</a>	Introduction to Zoo Science	<b>HOURS:</b>	1.00
<a href="#">ZAS110</a>	Introduction to Zookeeping	<b>HOURS:</b>	4.00
<a href="#">ZAS130</a>	Introduction to Ethology	<b>HOURS:</b>	3.00

### **1st Spring**

<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>HOURS:</b>	3.00
<a href="#">COM231</a>	Public Speaking (CAA)	<b>HOURS:</b>	3.00
<a href="#">BIO112</a>	General Biology II (CAA)	<b>HOURS:</b>	4.00
<a href="#">ZAS120</a>	Zoonotic Diseases	<b>HOURS:</b>	2.00 <sup>115</sup>
<a href="#">ZAS131</a>	Applied Animal Psychology	<b>HOURS:</b>	3.00

<a href="#">ZAS113</a>	Animal Exhibits	<b>CREDIT HOURS:</b>	1.00
<a href="#">WBL112</a>	Work Based Learning I	<b>CREDIT HOURS:</b>	2.00
<b>Summer</b>			
<a href="#">WBL122</a>	Work Based Learning II	<b>CREDIT HOURS:</b>	2.00
<b>2nd Fall</b>			
<a href="#">BIO242</a>	Natural Resource Conservation (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ZAS234</a>	Zoo Herpetology	<b>CREDIT HOURS:</b>	3.00
<a href="#">ZAS236</a>	Zoo Mammalogy	<b>CREDIT HOURS:</b>	3.00
<a href="#">ZAS114</a>	Species Survival Plans	<b>CREDIT HOURS:</b>	1.00
<a href="#">ZAS132</a>	Operant Conditioning	<b>CREDIT HOURS:</b>	3.00
<a href="#">WPL131</a>	Work Based Learning III	<b>CREDIT HOURS:</b>	1.00
<b>2nd Spring</b>			
<a href="#">PHI240</a>	Introduction to Ethics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ZAS232</a>	Zoo Invertebrates	<b>CREDIT HOURS:</b>	3.00
<a href="#">ZAS235</a>	Zoo Ornithology	<b>CREDIT HOURS:</b>	3.00
<a href="#">ZAS115</a>	Introduction to Wildlife Law	<b>CREDIT HOURS:</b>	1.00
<a href="#">WBL211</a>	Work Based Learning IV	<b>CREDIT HOURS:</b>	1.00

**Source URL:** <https://www.davidsonccc.edu/catalog/curriculum-programs-and-services/school-general-studies-academic-support>

## School of Business, Engineering & Technical Studies

### LAST UPDATED:

Jun 1 2014

The DCCC School of Business, Engineering & Technical Studies offers certificates, diplomas and two-year degree programs to prepare you for a fulfilling career in your chosen field.

### ACCOUNTING

The Accounting curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting profession. Using the "language of business," accountants assemble, analyze, process, and communicate essential information about financial operations.

In addition to course work in accounting principles, theories, and practice, students will study business law, finance, management, and economics. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies. With work experience and additional education, an individual may advance in the accounting profession.

Upon successful completion of this program, the student should be able to:

1. Analyze business transactions for entry into accounting records.
2. Prepare and maintain journals and ledgers for accounting systems, using critical thinking and generally accepted accounting principles.
3. Prepare and present financial statements, budgets, and income tax returns.
4. Provide effective written and oral communication in a business environment.
5. Demonstrate basic knowledge of managerial accounting concepts and principles.

### Accounting: Associate in Applied Science Degree Program

#### 1st Fall

<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS110</a>	Introduction to Business (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC120</a>	Principles of Financial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">ACC129</a>	Individual Income Taxes	<b>CREDIT HOURS:</b>	3.00

#### 1st Spring

<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC121</a>	Principles of Managerial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">ACC130</a>	Business Income Taxes	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC180</a>	Practices in Bookkeeping	<b>CREDIT HOURS:</b>	3.00

#### Summer

<a href="#">ENG114</a>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00
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#### Pick 1 HUM course below for Summer

<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HUM120</a>	Cultural Studies (CAA)	<b>CREDIT HOURS:</b>	3.00

#### 2nd Fall

<a href="#">CTS130</a>	Spreadsheet	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS115</a>	Business Law I (CAA)	<b>CREDIT HOURS:</b>	3.00 6.1.14
<a href="#">ECO251</a>	Principles of Microeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC150</a>	Accounting Software Applications	<b>CREDIT HOURS:</b>	2.00
<a href="#">ACC220</a>	Intermediate Accounting I	<b>CREDIT HOURS:</b>	4.00
<b>2nd Spring</b>			
<a href="#">ACC221</a>	Intermediate Accounting II	<b>CREDIT HOURS:</b>	4.00
<a href="#">ACC140</a>	Payroll Accounting	<b>CREDIT HOURS:</b>	2.00
<a href="#">ACC225</a>	Cost Accounting	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS225</a>	Business Finance	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO252</a>	Principles of Macroeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00

### **Accounting: Associate in Applied Science Degree Program (Night/Hybrid)**

#### **1st Fall**

<a href="#">ACC120</a>	Principles of Financial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">BUS110</a>	Introduction to Business (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC129</a>	Individual Income Taxes	<b>CREDIT HOURS:</b>	3.00

#### **1st Spring**

<a href="#">ACC121</a>	Principles of Managerial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">ACC140</a>	Payroll Accounting	<b>CREDIT HOURS:</b>	2.00
<a href="#">ACC130</a>	Business Income Taxes	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00

#### **1st Summer (Pick One Course from below for 1st Summer)**

<a href="#">HUM120</a>	Cultural Studies (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00

#### **2nd Fall**

<a href="#">BUS115</a>	Business Law I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC150</a>	Accounting Software Applications	<b>CREDIT HOURS:</b>	2.00
<a href="#">CTS130</a>	Spreadsheet	<b>CREDIT HOURS:</b>	3.00

#### **2nd Spring**

<a href="#">ACC180</a>	Practices in Bookkeeping	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC225</a>	Cost Accounting	<b>CREDIT HOURS:</b>	3.00

#### **2nd Summer (Pick One Course from below for 2nd Summer)**

<a href="#">ENG112</a>	Argument-Based Research (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG114</a>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00

#### **3rd Fall**

<a href="#">ACC220</a>	Intermediate Accounting I	<b>CREDIT HOURS:</b>	4.00
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<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO252</a>	Principles of Macroeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00 6.1.14
<b>3rd Spring</b>			
<a href="#">BUS225</a>	Business Finance	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO251</a>	Principles of Microeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC221</a>	Intermediate Accounting II	<b>CREDIT HOURS:</b>	4.00

### Accounting: Diploma Program

#### **1st Fall**

<a href="#">BUS110</a>	Introduction to Business (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC120</a>	Principles of Financial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">ACC129</a>	Individual Income Taxes	<b>CREDIT HOURS:</b>	3.00

#### **1st Spring**

<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC121</a>	Principles of Managerial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC130</a>	Business Income Taxes	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC180</a>	Practices in Bookkeeping	<b>CREDIT HOURS:</b>	3.00

#### **2nd Fall**

<a href="#">CTS130</a>	Spreadsheet	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS115</a>	Business Law I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC150</a>	Accounting Software Applications	<b>CREDIT HOURS:</b>	2.00

### Accounting: Certificate Program - Emphasis in Bookkeeping

#### **1st Fall**

<a href="#">ACC120</a>	Principles of Financial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00

#### **1st Spring**

<a href="#">ACC140</a>	Payroll Accounting	<b>CREDIT HOURS:</b>	2.00
<a href="#">ACC180</a>	Practices in Bookkeeping	<b>CREDIT HOURS:</b>	3.00

#### **2nd Fall**

<a href="#">CTS130</a>	Spreadsheet	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC150</a>	Accounting Software Applications	<b>CREDIT HOURS:</b>	2.00

### Accounting: Certificate Program - Emphasis in Taxes

#### **Fall**

<a href="#">ACC120</a>	Principles of Financial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">ACC129</a>	Individual Income Taxes	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00

<b>Spring</b>			
<a href="#">ACC140</a>	Payroll Accounting	<b>CREDIT HOURS:</b>	2.00
<a href="#">ACC130</a>	Business Income Taxes	<b>CREDIT HOURS:</b>	3.00

6.1.14

## AIR CONDITIONING, HEATING & REFRIGERATION

The Air Conditioning, Heating, and Refrigeration Technology curriculum, provides the basic knowledge to develop skills necessary to work with residential and light commercial systems.

Topics include mechanical refrigeration, heating and cooling theory, electricity, controls, and safety. The diploma program covers air conditioning, furnaces, heat pumps, tools, and instruments.

Diploma graduates should be able to assist in the start up, preventive maintenance, service, repair, and installation of residential and light commercial systems.

Upon successful completion of this program, the student should be able to:

1. Communicate effectively with fellow workers, contract service personnel, and employer through written and/or oral communications.
2. Demonstrate the critical thinking skills necessary to install, modify, troubleshoot, and repair air conditioning, heating, and refrigeration systems.
3. Manage responsibilities of an entry-level technician by managing time effectively, working effectively with diverse populations, demonstrating dependability, and completing tasks satisfactorily.

### Air Conditioning, Heating & Refrigeration: Diploma Program

#### **Fall**

<a href="#">AHR112</a>	Heating Technology	<b>CREDIT HOURS:</b>	4.00
<a href="#">AHR160</a>	Refrigerant Certification	<b>CREDIT HOURS:</b>	1.00
<a href="#">ELC111</a>	Introduction to Electricity	<b>CREDIT HOURS:</b>	3.00
<a href="#">AHR110</a>	Introduction to Refrigeration	<b>CREDIT HOURS:</b>	5.00
<a href="#">AHR255</a>	Indoor Air Quality	<b>CREDIT HOURS:</b>	2.00
<a href="#">AHR180</a>	HVAC Customer Relations	<b>CREDIT HOURS:</b>	1.00

#### **Spring**

<a href="#">AHR113</a>	Comfort Cooling	<b>CREDIT HOURS:</b>	4.00
<a href="#">AHR114</a>	Heat Pump Technology	<b>CREDIT HOURS:</b>	4.00
<a href="#">AHR211</a>	Residential System Design	<b>CREDIT HOURS:</b>	3.00
<a href="#">AHR151</a>	HVAC Duct System I	<b>CREDIT HOURS:</b>	2.00
<a href="#">AHR213</a>	HVACR Building Code	<b>CREDIT HOURS:</b>	2.00

#### **Summer**

<a href="#">MAT110</a>	Math Measurement & Literacy	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG102</a>	Applied Communications II	<b>CREDIT HOURS:</b>	3.00

### Air Conditioning, Heating & Refrigeration: Certificate Program - Emphasis in Residential System Design

<a href="#">AHR112</a>	Heating Technology	<b>CREDIT HOURS:</b>	4.00
<a href="#">AHR113</a>	Comfort Cooling	<b>CREDIT HOURS:</b>	4.00
<a href="#">AHR213</a>	HVACR Building Code	<b>CREDIT HOURS:</b>	2.00
<a href="#">AHR211</a>	Residential System Design	<b>CREDIT HOURS:</b>	3.00

### Air Conditioning, Heating & Refrigeration: Certificate Program - Emphasis in Heat Pumps

<a href="#">AHR114</a>	Heat Pump Technology	<b>CREDIT HOURS:</b>	4.00
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<a href="#">ELC111</a>	Introduction to Electricity	<b>CREDIT HOURS:</b>	3.00
<a href="#">AHR113</a>	Comfort Cooling	<b>CREDIT HOURS:</b>	4.00 6.1.14
<a href="#">AHR160</a>	Refrigerant Certification	<b>CREDIT HOURS:</b>	1.00

### Air Conditioning, Heating & Refrigeration: Certificate Program - Emphasis in Residential Heating & Cooling

<a href="#">AHR112</a>	Heating Technology	<b>CREDIT HOURS:</b>	4.00
<a href="#">ELC111</a>	Introduction to Electricity	<b>CREDIT HOURS:</b>	3.00
<a href="#">AHR113</a>	Comfort Cooling	<b>CREDIT HOURS:</b>	4.00
<a href="#">AHR160</a>	Refrigerant Certification	<b>CREDIT HOURS:</b>	1.00

### AUTOMOTIVE SYSTEMS TECHNOLOGY

The Automotive Systems Technology curriculum prepares individuals for employment as entry-level transportation service technicians. The program provides an introduction to automotive industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field.

This program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles.

Course work may include transportation systems theory, braking systems, climate control, design parameters, automatic and manual transmissions and drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, heating and air condition systems, and sustainable transportation.

Graduates of the curriculum should be prepared to take professional licensure exams (ASE), and to enter careers as entry-level technicians in the automotive industry.

Upon successful completion of this program, the student should be able to:

1. Perform the duties of an entry level technician as it relates to workplace safety, hazardous materials, environmental regulations, hand tools, service information, basic concepts, vehicle systems, and common transportation industry terminology.
2. Manage the day-to-day responsibility of an entry-level technician by managing time effectively, working effectively and ethically with others, demonstrating dependability, and completing tasks satisfactorily.
3. Identify, diagnose, and state proper and safe procedure for repair of hybrid, alternative fuel, and other green technology systems.
4. Describe the process of operation for all major systems in a modern automotive vehicle.
5. Analyze and diagnose automotive system malfunctions and repair or replace defective components.

### Automotive Systems Technology: Associate in Applied Science Degree Program

#### **1st Fall**

<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRN110</a>	Intro to Transport Tech	<b>CREDIT HOURS:</b>	2.00
<a href="#">TRN120</a>	Basic Transp Electricity	<b>CREDIT HOURS:</b>	5.00
<a href="#">AUT141</a>	Suspension & Steering Systems	<b>CREDIT HOURS:</b>	3.00
<a href="#">AUT151</a>	Brake Systems	<b>CREDIT HOURS:</b>	3.00

#### **1st Spring**

<a href="#">PHY121</a>	Applied Physics I	<b>CREDIT HOURS:</b>	4.00
<a href="#">AUT116</a>	Engine Repair	<b>CREDIT HOURS:</b>	3.00
<a href="#">AUT116A</a>	Engine Repair Lab	<b>CREDIT HOURS:</b>	1.00
<a href="#">AUT181</a>	Engine Performance I	<b>CREDIT HOURS:</b>	3.00
<a href="#">AUT183</a>	Engine Performance II	<b>CREDIT HOURS:</b>	4.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00

#### **Summer**

<a href="#">ENG114</a>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00 121
<a href="#">AUT212</a>	Auto Shop Management	<b>CREDIT HOURS:</b>	3.00

<a href="#">TRN140</a>	Transp Climate Control	<b>CREDIT HOURS:</b>	2.00
<a href="#">TRN140A</a>	Transp Climate Cont Lab	<b>CREDIT HOURS:</b>	2.00
<b>2nd Fall</b>			
<a href="#">AUT231</a>	Manual Trans/Axles/Drtrains	<b>CREDIT HOURS:</b>	3.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">AUT231A</a>	Manual Trans/Axles/Drtrains Lab	<b>CREDIT HOURS:</b>	1.00
<a href="#">AUT221</a>	Auto Transmissions/Transaxles	<b>CREDIT HOURS:</b>	3.00
<a href="#">AUT221A</a>	Auto Transmissions/Transaxles Lab	<b>CREDIT HOURS:</b>	1.00
<a href="#">TRN130</a>	Intro to Sustainable Transp	<b>CREDIT HOURS:</b>	3.00
<b>2nd Spring</b>			
<a href="#">AUT113</a>	Automotive Servicing I	<b>CREDIT HOURS:</b>	2.00
<a href="#">AUT163</a>	Advanced Auto Electricity	<b>CREDIT HOURS:</b>	3.00
<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">AUT281</a>	Advanced Engine Performance	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRN145</a>	Adv Transp Electronics	<b>CREDIT HOURS:</b>	3.00

### **Automotive Systems Technology: Diploma Program**

#### **Fall**

<a href="#">TRN110</a>	Intro to Transport Tech	<b>CREDIT HOURS:</b>	2.00
<a href="#">TRN120</a>	Basic Transp Electricity	<b>CREDIT HOURS:</b>	5.00
<a href="#">AUT141</a>	Suspension & Steering Systems	<b>CREDIT HOURS:</b>	3.00
<a href="#">AUT151</a>	Brake Systems	<b>CREDIT HOURS:</b>	3.00

#### **Spring**

<a href="#">AUT116</a>	Engine Repair	<b>CREDIT HOURS:</b>	3.00
<a href="#">AUT116A</a>	Engine Repair Lab	<b>CREDIT HOURS:</b>	1.00
<a href="#">AUT181</a>	Engine Performance I	<b>CREDIT HOURS:</b>	3.00
<a href="#">AUT183</a>	Engine Performance II	<b>CREDIT HOURS:</b>	4.00
<a href="#">ENG102</a>	Applied Communications II	<b>CREDIT HOURS:</b>	3.00
<a href="#">PHY121</a>	Applied Physics I	<b>CREDIT HOURS:</b>	4.00

#### **Summer**

<a href="#">AUT212</a>	Auto Shop Management	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRN140</a>	Transp Climate Control	<b>CREDIT HOURS:</b>	2.00
<a href="#">TRN140A</a>	Transp Climate Cont Lab	<b>CREDIT HOURS:</b>	2.00

### **Automotive Systems Technology: Certificate Program - Emphasis in Basic Transportation Servicing Technology**

#### **Fall**

<a href="#">TRN110</a>	Intro to Transport Tech	<b>CREDIT HOURS:</b>	2.00
<a href="#">TRN120</a>	Basic Transp Electricity	<b>CREDIT HOURS:</b>	5.00

<a href="#">AUT141</a>	Suspension & Steering Systems	<b>CREDIT HOURS:</b>	3.00
<a href="#">AUT151</a>	Brake Systems	<b>CREDIT HOURS:</b>	3.00 <sup>6.1.14</sup>

### Automotive Systems Technology: Certificate Program - Emphasis in Engine Performance Systems

NOTE: Classes are offered if there is sufficient enrollment.

#### **Fall**

<a href="#">TRN120</a>	Basic Transp Electricity	<b>CREDIT HOURS:</b>	5.00
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#### **Spring**

<a href="#">AUT116</a>	Engine Repair	<b>CREDIT HOURS:</b>	3.00
<a href="#">AUT116A</a>	Engine Repair Lab	<b>CREDIT HOURS:</b>	1.00
<a href="#">AUT181</a>	Engine Performance I	<b>CREDIT HOURS:</b>	3.00
<a href="#">AUT183</a>	Engine Performance II	<b>CREDIT HOURS:</b>	4.00

### Automotive Systems Technology: Certificate Program - Emphasis in Drivetrains

#### **Fall**

<a href="#">AUT231</a>	Manual Trans/Axles/Drtrains	<b>CREDIT HOURS:</b>	3.00
<a href="#">AUT231A</a>	Manual Trans/Axles/Drtrains Lab	<b>CREDIT HOURS:</b>	1.00
<a href="#">AUT221</a>	Auto Transmissions/Transaxles	<b>CREDIT HOURS:</b>	3.00
<a href="#">AUT221A</a>	Auto Transmissions/Transaxles Lab	<b>CREDIT HOURS:</b>	1.00
<a href="#">TRN130</a>	Intro to Sustainable Transp	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRN120</a>	Basic Transp Electricity	<b>CREDIT HOURS:</b>	5.00

### Automotive Systems Technology: Certificate Program - Emphasis in Drivability/Diagnostics

#### **Fall**

<a href="#">TRN120</a>	Basic Transp Electricity	<b>CREDIT HOURS:</b>	5.00
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#### **Spring**

<a href="#">AUT113</a>	Automotive Servicing I	<b>CREDIT HOURS:</b>	2.00
<a href="#">AUT163</a>	Advanced Auto Electricity	<b>CREDIT HOURS:</b>	3.00
<a href="#">AUT281</a>	Advanced Engine Performance	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRN145</a>	Adv Transp Electronics	<b>CREDIT HOURS:</b>	3.00

### Certificate - Automotive Systems Technology (High School Career and College Promise)

#### **After High School**

Hours Needed to Complete Diploma: 20  
Hours Needed to Complete Associate Degree: 55

#### **What it's about**

The Automotive Systems Technology curriculum prepares individuals for employment as Automotive Service Technicians. It provides an introduction to automotive careers and increases student awareness of the challenges associated with this fast and ever-changing field.

#### **What you can get**

Upon successful completion of all courses in this CCP pathway, the student will be awarded a Certificate in Automotive Systems from DCCC.

#### **Minimum Placement Test Scores**

### High School Junior Year (Fall)

<a href="#">AUT151</a>	Brake Systems	<b>CREDIT HOURS:</b>	3.00
<a href="#">AUT141</a>	Suspension & Steering Systems	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRN110</a>	Intro to Transport Tech	<b>CREDIT HOURS:</b>	2.00
<a href="#">TRN120</a>	Basic Transp Electricity	<b>CREDIT HOURS:</b>	5.00

### High School Junior Year (Spring)

<a href="#">AUT116</a>	Engine Repair	<b>CREDIT HOURS:</b>	3.00
<a href="#">AUT116A</a>	Engine Repair Lab	<b>CREDIT HOURS:</b>	1.00

## BUSINESS ADMINISTRATION

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision-making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Upon successful completion of this program, the student should be able to:

1. Implement the 4 Ps of marketing (product, price, place, and promotion) around a new product for a given target market.
2. Apply the major functions of management (planning, organizing, directing, controlling) to a specific management situation.
3. Apply business principles to analyze and solve problems in a business environment.
4. Create a balance sheet, income statement, and statement of cash flows.
5. Create a Business Plan.

### Online, Traditional Programs Offered

The Business Administration Associate Degree program is offered as both an on-campus program as well as in a hybrid format.

In addition, online and hybrid courses may require a limited number of visits to campus to complete hands-on lab assignments, proctored exams, or similar activities. In some classes, students have access to software downloads which may limit their on-campus requirements.

### Business Administration (Business Track): Associate in Applied Science Degree Program

\*students wanting to transfer should take ECO 252 & ECO 251

\*non-transfer students should take PSY 150 & ECO 151 or SOC 210 & ECO 151

#### 1st Fall

<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS110</a>	Introduction to Business (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MKT120</a>	Principles of Marketing	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS137</a>	Principles of Management (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00

#### 1st Spring

<a href="#">ACC120</a>	Principles of Financial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">BUS115</a>	Business Law I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS121</a>	Business Math	<b>CREDIT HOURS:</b>	3.00

**Pick one course from below for 1st Spring**

		<b>CREDIT HOURS:</b>	
<u>PSY150</u>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00 6.1.14
<u>SOC210</u>	Introduction to Sociology (CAA)	<b>CREDIT HOURS:</b>	3.00
<u>ECO252</u>	Principles of Macroeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00

**Summer (Pick one course from below)**

<u>HUM115</u>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
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**2nd Fall**

<u>CTS130</u>	Spreadsheet	<b>CREDIT HOURS:</b>	3.00
<u>ACC121</u>	Principles of Managerial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<u>BUS260</u>	Business Communication	<b>CREDIT HOURS:</b>	3.00
<u>BUS280</u>	REAL Small Business	<b>CREDIT HOURS:</b>	4.00

**Pick one course from below for 2nd Fall**

<u>ECO151</u>	Survey of Economics (CAA)	<b>CREDIT HOURS:</b>	3.00
<u>ECO251</u>	Principles of Microeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00

**2nd Spring**

<u>INT110</u>	International Business	<b>CREDIT HOURS:</b>	3.00
<u>BUS153</u>	Human Resource Management	<b>CREDIT HOURS:</b>	3.00
<u>BUS225</u>	Business Finance	<b>CREDIT HOURS:</b>	3.00
<u>BUS239</u>	Business Applications Seminar	<b>CREDIT HOURS:</b>	2.00

**Pick one ENG course from below for 2nd Spring**

<u>ENG112</u>	Argument-Based Research (CAA)	<b>CREDIT HOURS:</b>	3.00
<u>ENG114</u>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00

**Business Administration (Accounting Track): Associate in Applied Science Degree Program**

\*students wanting to transfer should take ECO 252 & ECO 251

\*non-transfer students should take PSY 150 & ECO 151 or SOC 210 & ECO 151

**1st Fall**

<u>ACA090</u>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
<u>MAT143</u>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<u>BUS110</u>	Introduction to Business (CAA)	<b>CREDIT HOURS:</b>	3.00
<u>MKT120</u>	Principles of Marketing	<b>CREDIT HOURS:</b>	3.00
<u>BUS137</u>	Principles of Management (CAA)	<b>CREDIT HOURS:</b>	3.00
<u>CIS110</u>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00

**1st Spring**

<u>ACC120</u>	Principles of Financial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<u>BUS115</u>	Business Law I (CAA)	<b>CREDIT HOURS:</b>	3.00

<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS121</a>	Business Math	<b>CREDIT HOURS:</b>	3.00 6.1.14
<b>Choose one course from below for 1st Spring</b>			
<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">SOC210</a>	Introduction to Sociology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO252</a>	Principles of Macroeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>Choose one course from below for Summer</b>			
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>Choose one course from below for Summer</b>			
<a href="#">ENG112</a>	Argument-Based Research (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG114</a>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>2nd Fall</b>			
<a href="#">CTS130</a>	Spreadsheet	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS260</a>	Business Communication	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC150</a>	Accounting Software Applications	<b>CREDIT HOURS:</b>	2.00
<a href="#">ACC121</a>	Principles of Managerial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<b>Choose one course from below for 2nd Fall</b>			
<a href="#">ECO151</a>	Survey of Economics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO251</a>	Principles of Microeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>2nd Spring</b>			
<a href="#">ACC140</a>	Payroll Accounting	<b>CREDIT HOURS:</b>	2.00
<a href="#">INT110</a>	International Business	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC180</a>	Practices in Bookkeeping	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS225</a>	Business Finance	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS239</a>	Business Applications Seminar	<b>CREDIT HOURS:</b>	2.00

### **Business Administration: Associate in Applied Science Degree Program (Online/Hybrid)**

\*students wanting to transfer should take ECO 252 & ECO 251

\*non-transfer students should take PSY 150 & ECO 151 or SOC 210 & ECO 151

<b>1st Fall</b>			
<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS110</a>	Introduction to Business (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>1st Spring</b>			
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MKT120</a>	Principles of Marketing	<b>CREDIT HOURS:</b>	3.00 126
<a href="#">BUS137</a>	Principles of Management (CAA)	<b>CREDIT HOURS:</b>	3.00

**1st Summer**

<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00	6.1.14
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**2nd Fall**

<a href="#">ACC120</a>	Principles of Financial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">BUS121</a>	Business Math	<b>CREDIT HOURS:</b>	3.00

**Choose one course from below for 2nd Fall**

<a href="#">ENG112</a>	Argument-Based Research (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">ENG114</a>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00
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**Choose one course from below for 2nd Fall**

<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">SOC210</a>	Introduction to Sociology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO252</a>	Principles of Macroeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00

**2nd Spring**

<a href="#">BUS280</a>	REAL Small Business	<b>CREDIT HOURS:</b>	4.00
<a href="#">ACC121</a>	Principles of Managerial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00

**Choose one course from below for 2nd Spring**

<a href="#">ECO151</a>	Survey of Economics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO251</a>	Principles of Microeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00

**Choose one course from below for 2nd Summer**

<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
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**3rd Fall**

<a href="#">BUS153</a>	Human Resource Management	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTS130</a>	Spreadsheet	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS260</a>	Business Communication	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS115</a>	Business Law I (CAA)	<b>CREDIT HOURS:</b>	3.00

**3rd Spring**

<a href="#">INT110</a>	International Business	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS225</a>	Business Finance	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS239</a>	Business Applications Seminar	<b>CREDIT HOURS:</b>	2.00

**Business Administration: Diploma Program****1st Fall**

<a href="#">BUS110</a>	Introduction to Business (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MKT120</a>	Principles of Marketing	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS137</a>	Principles of Management (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00

**Choose one course from below for 1st Fall**

<a href="#">ECO151</a>	Survey of Economics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO251</a>	Principles of Microeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00 6.1.14
<b>1st Spring</b>			
<a href="#">ACC120</a>	Principles of Financial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">BUS115</a>	Business Law I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">INT110</a>	International Business	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS121</a>	Business Math	<b>CREDIT HOURS:</b>	3.00
<b>2nd Fall</b>			
<a href="#">CTS130</a>	Spreadsheet	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS260</a>	Business Communication	<b>CREDIT HOURS:</b>	3.00
<b>Choose one course from below for 2nd Fall</b>			
<a href="#">ENG112</a>	Argument-Based Research (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG114</a>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00

### Business Administration: Certificate in Business Administration Program

<b>Fall</b>			
<a href="#">BUS110</a>	Introduction to Business (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MKT120</a>	Principles of Marketing	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS137</a>	Principles of Management (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00

### Business Administration: Certificate in Entrepreneurship Program

<b>1st Fall</b>			
<a href="#">BUS110</a>	Introduction to Business (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MKT120</a>	Principles of Marketing	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>1st Spring</b>			
<a href="#">ACC120</a>	Principles of Financial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<b>2nd Fall</b>			
<a href="#">BUS280</a>	REAL Small Business	<b>CREDIT HOURS:</b>	4.00

### COMPUTER-INTEGRATED MACHINING

The Computer-Integrated Machining curriculum prepares students with the analytical, creative, and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product.

Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and advanced machining operations, precision measurement, and high-speed multi-axis machining.

Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

Upon successful completion of this program, the student should be able to:



1. Understand and demonstrate the common principles and practices in advanced manufacturing settings.
2. Interpret information and blueprints for part manufacturing, job routing, and cost estimation.
3. Use applied mathematical skills to solve functional problems related to machining.
4. Use critical thinking to apply machining skills to produce finished parts meeting quality requirements as described in blueprints and reference information about manufacturing materials and machining equipment. 6.1.14
5. Set up and operate basic machining equipment and computer-numerical controlled machines.
6. Perform basic preventative maintenance of machines and maintain a safe clean environment while applying the basics of lean manufacturing concepts.

## Computer-Integrated Machining: Associate in Applied Science Degree Program

### **1st Fall**

<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
<a href="#">ISC112</a>	Industrial Safety	<b>CREDIT HOURS:</b>	2.00
<a href="#">BPR111</a>	Blueprint Reading	<b>CREDIT HOURS:</b>	2.00
<a href="#">DFT151</a>	CAD I	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAC141</a>	Machining Applications I	<b>CREDIT HOURS:</b>	4.00
<a href="#">MAC151</a>	Machining Calculations	<b>CREDIT HOURS:</b>	2.00

### **1st Spring**

<a href="#">MAC121</a>	Introduction to CNC	<b>CREDIT HOURS:</b>	2.00
<a href="#">MAC142</a>	Machining Applications II	<b>CREDIT HOURS:</b>	4.00
<a href="#">MAT121</a>	Algebra/Trigonometry I	<b>CREDIT HOURS:</b>	3.00
<a href="#">GEO111</a>	World Regional Geography	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00

### **Summer**

<a href="#">COM120</a>	Interpersonal Communication (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00

### **2nd Fall**

<a href="#">MAC122</a>	CNC Turning	<b>CREDIT HOURS:</b>	2.00
<a href="#">MAC124</a>	CNC Milling	<b>CREDIT HOURS:</b>	2.00
<a href="#">MEC110</a>	Introduction to CAD/CAM	<b>CREDIT HOURS:</b>	2.00
<a href="#">MEC145</a>	Manufacturing Materials I	<b>CREDIT HOURS:</b>	3.00
<a href="#">ATR112</a>	Introduction to Automation	<b>CREDIT HOURS:</b>	3.00

### **2nd Spring**

<a href="#">DFT121</a>	Introduction to GD&T	<b>CREDIT HOURS:</b>	2.00
<a href="#">MAC160</a>	Coordinate Measuring Machining	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAC222</a>	Advanced CNC Turning	<b>CREDIT HOURS:</b>	2.00
<a href="#">MAC224</a>	Advanced CNC Milling	<b>CREDIT HOURS:</b>	2.00
<a href="#">ISC220</a>	Lean Manufacturing	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAC234</a>	Advanced Multi-Axis Machining	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAC234A</a>	Advanced Multi-Axis Machining Lab	<b>CREDIT HOURS:</b>	1.00

## Computer-Integrated Machining: Diploma Program

### **1st Fall**

<a href="#">ISC112</a>	Industrial Safety	<b>CREDIT HOURS:</b>	2.00	6.1.14
<a href="#">BPR111</a>	Blueprint Reading	<b>CREDIT HOURS:</b>	2.00	
<a href="#">DFT151</a>	CAD I	<b>CREDIT HOURS:</b>	3.00	
<a href="#">MAC141</a>	Machining Applications I	<b>CREDIT HOURS:</b>	4.00	
<a href="#">MAC151</a>	Machining Calculations	<b>CREDIT HOURS:</b>	2.00	

### **1st Spring**

<a href="#">DFT121</a>	Introduction to GD&T	<b>CREDIT HOURS:</b>	2.00	
<a href="#">MAC121</a>	Introduction to CNC	<b>CREDIT HOURS:</b>	2.00	
<a href="#">MAC142</a>	Machining Applications II	<b>CREDIT HOURS:</b>	4.00	
<a href="#">MAT121</a>	Algebra/Trigonometry I	<b>CREDIT HOURS:</b>	3.00	
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00	

### **2nd Fall**

<a href="#">MAC122</a>	CNC Turning	<b>CREDIT HOURS:</b>	2.00	
<a href="#">MAC124</a>	CNC Milling	<b>CREDIT HOURS:</b>	2.00	
<a href="#">MEC110</a>	Introduction to CAD/CAM	<b>CREDIT HOURS:</b>	2.00	
<a href="#">MEC145</a>	Manufacturing Materials I	<b>CREDIT HOURS:</b>	3.00	

## Computer-Integrated Machining: Certificate Program - Machining Fundamentals

### **Fall**

<a href="#">ISC112</a>	Industrial Safety	<b>CREDIT HOURS:</b>	2.00	
<a href="#">BPR111</a>	Blueprint Reading	<b>CREDIT HOURS:</b>	2.00	
<a href="#">MAC141</a>	Machining Applications I	<b>CREDIT HOURS:</b>	4.00	
<a href="#">MAC151</a>	Machining Calculations	<b>CREDIT HOURS:</b>	2.00	

### **Spring**

<a href="#">MAC142</a>	Machining Applications II	<b>CREDIT HOURS:</b>	4.00	
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## Computer-Integrated Machining: Certificate Program - CNC Fundamentals

### **Fall**

<a href="#">DFT151</a>	CAD I	<b>CREDIT HOURS:</b>	3.00	
<a href="#">MAC122</a>	CNC Turning	<b>CREDIT HOURS:</b>	2.00	
<a href="#">MEC110</a>	Introduction to CAD/CAM	<b>CREDIT HOURS:</b>	2.00	
<a href="#">MAC124</a>	CNC Milling	<b>CREDIT HOURS:</b>	2.00	
<a href="#">MAC141</a>	Machining Applications I	<b>CREDIT HOURS:</b>	4.00	
<a href="#">BPR111</a>	Blueprint Reading	<b>CREDIT HOURS:</b>	2.00	

### **Spring**

<a href="#">MAC121</a>	Introduction to CNC	<b>CREDIT HOURS:</b>	2.00	
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## Computer-Integrated Machining: Certificate Program - Advanced CNC Fundamentals

<b>Fall</b>			
<a href="#">ATR112</a>	Introduction to Automation	<b>CREDIT HOURS:</b>	3.00
<b>Spring</b>			
<a href="#">MAC222</a>	Advanced CNC Turning	<b>CREDIT HOURS:</b>	2.00
<a href="#">MAC224</a>	Advanced CNC Milling	<b>CREDIT HOURS:</b>	2.00
<a href="#">MAC234</a>	Advanced Multi-Axis Machining	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAC234A</a>	Advanced Multi-Axis Machining Lab	<b>CREDIT HOURS:</b>	1.00
<a href="#">ISC220</a>	Lean Manufacturing	<b>CREDIT HOURS:</b>	3.00

**Certificate - Computer-Integrated Machining - Machining (High School Career and College Promise)**

**After High School**

Hours Needed to Complete Diploma: 20  
 Hours Needed to Complete Associate Degree: 49

**What it's about**

The Computer-Integrated Machining curriculum prepares students with the analytical, creative, and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product.

**What you can get**

Upon successful completion of all courses in this CCP pathway, the student will be awarded a Certificate in Machining Fundamentals from DCCC.

**Minimum Placement Test Scores**

Reading & Sentence Skills -165  
 Math Score - 7  
 Math Modules - 010-060

<b>High School Freshman Year (Fall)</b>			
<a href="#">BPR111</a>	Blueprint Reading	<b>CREDIT HOURS:</b>	2.00
<a href="#">ISC112</a>	Industrial Safety	<b>CREDIT HOURS:</b>	2.00
<b>High School Freshman Year (Spring)</b>			
<a href="#">MAC121</a>	Introduction to CNC	<b>CREDIT HOURS:</b>	2.00
<b>High School Sophomore Year (Fall)</b>			
<a href="#">MAC141</a>	Machining Applications I	<b>CREDIT HOURS:</b>	4.00
<a href="#">MAC151</a>	Machining Calculations	<b>CREDIT HOURS:</b>	2.00
<b>High School Sophomore Year (Spring)</b>			
<a href="#">MAC142</a>	Machining Applications II	<b>CREDIT HOURS:</b>	4.00

**Certificate - Computer-Integrated Machining - CNC (High School Career and College Promise)**

**After High School**

Hours Needed to Complete Diploma: 19  
 Hours Needed to Complete Associate Degree: 48

**What it's about**

The Computer-Integrated Machining curriculum prepares students with the analytical, creative, and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product.

**What you can get**

## Minimum Placement Test Scores

6.1.14

Reading & Sentence Skills - 165

Math Score - 7

Math Modules - 010-050

### High School Freshman Year (Fall)

<a href="#">DFT151</a>	CAD I	<b>CREDIT HOURS:</b>	3.00
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<a href="#">BPR111</a>	Blueprint Reading	<b>CREDIT HOURS:</b>	2.00
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### High School Freshman Year (Spring)

<a href="#">MAC121</a>	Introduction to CNC	<b>CREDIT HOURS:</b>	2.00
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### High School Sophomore (Fall)

<a href="#">MAC141</a>	Machining Applications I	<b>CREDIT HOURS:</b>	4.00
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### High School Junior Year (Fall)

<a href="#">MAC124</a>	CNC Milling	<b>CREDIT HOURS:</b>	2.00
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<a href="#">MAC122</a>	CNC Turning	<b>CREDIT HOURS:</b>	2.00
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### High School Senior Year (Fall)

<a href="#">MEC110</a>	Introduction to CAD/CAM	<b>CREDIT HOURS:</b>	2.00
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## COMPUTER TECHNOLOGY INTEGRATION

The Computer Technology Integration (CTI) curriculum prepares graduates for employment as designers, testers, support technicians, administrators, developers, or programmers with organizations that use computers to design, process, manage, and communicate information, depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to communicate and solve technical issues related to information support and services, interactive media, network systems, programming and software development, and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Upon successful completion of this program, the student should be able to:

1. Create web pages using markup tools
2. Perform networking mathematical operations
3. Install and manage computer operating systems
4. Create business documents using appropriate computer applications

In addition, depending on the emphasis chosen, the student should be able to:

- Create a technology system (Information Support)
- Create a networking system (Network and Cyber Security)
- Create a professional digital portfolio (Web & Mobile App Dev)
- Create an original digital media works targeted for specific audiences (Digital Media Advertising)

## CTI: Associate in Applied Science Degree Program (Emphasis in Information Support)

### 1st Fall

<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
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<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">GEO111</a>	World Regional Geography	<b>CREDIT HOURS:</b>	3.00
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<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00
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### 1st Spring

<a href="#">CTS115</a>	Information Systems Business Concepts	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTI110</a>	Web, Programming, and Database Foundations	<b>CREDIT HOURS:</b>	3.00 6.1.14
<a href="#">CTI120</a>	Network & Security Foundation	<b>CREDIT HOURS:</b>	3.00
<a href="#">NOS110</a>	Operating System Concepts	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTS120</a>	Hardware/Software Support	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS115</a>	Introduction to Programming & Logic (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>Summer</b>			
<a href="#">COM231</a>	Public Speaking (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>2nd Fall</b>			
<a href="#">CTS130</a>	Spreadsheet	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTS220</a>	Advanced Hardware/Software Support	<b>CREDIT HOURS:</b>	3.00
<a href="#">DBA110</a>	Database Concepts	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTS285</a>	Systems Analysis & Design	<b>CREDIT HOURS:</b>	3.00
<a href="#">NOS130</a>	Windows Single User	<b>CREDIT HOURS:</b>	3.00
<b>2nd Spring</b>			
<a href="#">DBA115</a>	Database Applications	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTS230</a>	Advanced Spreadsheet	<b>CREDIT HOURS:</b>	3.00
<a href="#">WEB110</a>	Internet/Web Fundamentals	<b>CREDIT HOURS:</b>	3.00
<a href="#">NOS230</a>	Windows Administration I	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTS289</a>	System Support Project	<b>CREDIT HOURS:</b>	3.00

### **CTI: Associate in Applied Science Degree Program (Emphasis in Network and Cyber Security)**

#### **1st Fall**

<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">GEO111</a>	World Regional Geography	<b>CREDIT HOURS:</b>	3.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00

#### **1st Spring**

<a href="#">CTS115</a>	Information Systems Business Concepts	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTI110</a>	Web, Programming, and Database Foundations	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTI120</a>	Network & Security Foundation	<b>CREDIT HOURS:</b>	3.00
<a href="#">NOS110</a>	Operating System Concepts	<b>CREDIT HOURS:</b>	3.00
<a href="#">NET125</a>	Networking Basics	<b>CREDIT HOURS:</b>	3.00
<a href="#">NET126</a>	Routing Basics	<b>CREDIT HOURS:</b>	3.00

#### **Summer**

<a href="#">COM231</a>	Public Speaking (CAA)	<b>CREDIT</b>	3.00
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**2nd Fall**

		<b>CREDIT HOURS:</b>	
<a href="#">CTS120</a>	Hardware/Software Support	<b>CREDIT HOURS:</b>	3.00 6.1.14
<a href="#">SEC110</a>	Security Concepts	<b>CREDIT HOURS:</b>	3.00
<a href="#">NET225</a>	Routing & Switching I	<b>CREDIT HOURS:</b>	3.00
<a href="#">NET226</a>	Routing & Switching II	<b>CREDIT HOURS:</b>	3.00
<a href="#">NOS130</a>	Windows Single User	<b>CREDIT HOURS:</b>	3.00
<a href="#">NOS120</a>	Linux/UNIX Single User	<b>CREDIT HOURS:</b>	3.00

**2nd Spring**

<a href="#">SEC160</a>	Security Administration I	<b>CREDIT HOURS:</b>	3.00
<a href="#">SEC220</a>	Defense-in-Depth	<b>CREDIT HOURS:</b>	3.00
<a href="#">NOS220</a>	Linux/UNIX Administration I	<b>CREDIT HOURS:</b>	3.00
<a href="#">NOS230</a>	Windows Administration I	<b>CREDIT HOURS:</b>	3.00
<a href="#">NET289</a>	Networking Project	<b>CREDIT HOURS:</b>	3.00

**CTI: Associate in Applied Science Degree Program (Emphasis in Web & Mobile App Development)****1st Fall**

<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">GEO111</a>	World Regional Geography	<b>CREDIT HOURS:</b>	3.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00

**1st Spring**

<a href="#">CTS115</a>	Information Systems Business Concepts	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTI110</a>	Web, Programming, and Database Foundations	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTI120</a>	Network & Security Foundation	<b>CREDIT HOURS:</b>	3.00
<a href="#">NOS110</a>	Operating System Concepts	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS115</a>	Introduction to Programming & Logic (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">WEB110</a>	Internet/Web Fundamentals	<b>CREDIT HOURS:</b>	3.00

**Summer**

<a href="#">COM231</a>	Public Speaking (CAA)	<b>CREDIT HOURS:</b>	3.00
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**2nd Fall**

<a href="#">CTS120</a>	Hardware/Software Support	<b>CREDIT HOURS:</b>	3.00
<a href="#">WEB125</a>	Mobile Web Design	<b>CREDIT HOURS:</b>	3.00
<a href="#">WEB141</a>	Mobile Interface Design	<b>CREDIT HOURS:</b>	3.00
<a href="#">WEB151</a>	Mobile Application Development I	<b>CREDIT HOURS:</b>	3.00
<a href="#">CSC151</a>	Java Programming	<b>CREDIT HOURS:</b>	3.00

## 2nd Spring

<a href="#">WEB187</a>	Programming for Mobile Devices	<b>CREDIT HOURS:</b>	3.00	6.1.14
<a href="#">SGD168</a>	Mobile SG Programming I	<b>CREDIT HOURS:</b>	3.00	
<a href="#">SGD268</a>	Mobile SG Programming II	<b>CREDIT HOURS:</b>	3.00	
<a href="#">WEB251</a>	Mobile Application Development II	<b>CREDIT HOURS:</b>	3.00	
<a href="#">WEB287</a>	Web e-Portfolio	<b>CREDIT HOURS:</b>	2.00	

## CTI: Associate in Applied Science Degree Program (Emphasis in Digital Media Advertising)

### 1st Fall

<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">GEO111</a>	World Regional Geography	<b>CREDIT HOURS:</b>	3.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00

### 1st Spring

<a href="#">CTS115</a>	Information Systems Business Concepts	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTI110</a>	Web, Programming, and Database Foundations	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTI120</a>	Network & Security Foundation	<b>CREDIT HOURS:</b>	3.00
<a href="#">NOS110</a>	Operating System Concepts	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS115</a>	Introduction to Programming & Logic (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">DME110</a>	Introduction to Digital Media	<b>CREDIT HOURS:</b>	3.00

### Summer

<a href="#">COM231</a>	Public Speaking (CAA)	<b>CREDIT HOURS:</b>	3.00
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### 2nd Fall

<a href="#">CTS120</a>	Hardware/Software Support	<b>CREDIT HOURS:</b>	3.00
<a href="#">DME115</a>	Graphic Design Tools	<b>CREDIT HOURS:</b>	3.00
<a href="#">DME120</a>	Intro to Multimedia Appl.	<b>CREDIT HOURS:</b>	3.00
<a href="#">DME130</a>	Digital Animation I	<b>CREDIT HOURS:</b>	3.00
<a href="#">WEB210</a>	Web Design	<b>CREDIT HOURS:</b>	3.00

### 2nd Spring

<a href="#">DME140</a>	Intro to Audio/Video Media		
<a href="#">GRD167</a>	Photographic Imaging I	<b>CREDIT HOURS:</b>	3.00
<a href="#">WEB214</a>	Social Media	<b>CREDIT HOURS:</b>	3.00
<a href="#">DME285</a>	Systems Project	<b>CREDIT HOURS:</b>	3.00

**1st Fall**

<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">GEO111</a>	World Regional Geography	<b>CREDIT HOURS:</b>	3.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00

<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00
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**1st Spring**

<a href="#">CTS115</a>	Information Systems Business Concepts	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTH110</a>	Web, Programming, and Database Foundations	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTH20</a>	Network & Security Foundation	<b>CREDIT HOURS:</b>	3.00
<a href="#">NOS110</a>	Operating System Concepts	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS115</a>	Introduction to Programming & Logic (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">WEB110</a>	Internet/Web Fundamentals	<b>CREDIT HOURS:</b>	3.00

**Summer**

<a href="#">COM231</a>	Public Speaking (CAA)	<b>CREDIT HOURS:</b>	3.00
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**2nd Fall**

<a href="#">CTS120</a>	Hardware/Software Support	<b>CREDIT HOURS:</b>	3.00
<a href="#">WEB125</a>	Mobile Web Design	<b>CREDIT HOURS:</b>	3.00
<a href="#">WEB141</a>	Mobile Interface Design	<b>CREDIT HOURS:</b>	3.00
<a href="#">WEB151</a>	Mobile Application Development I	<b>CREDIT HOURS:</b>	3.00
<a href="#">CSC151</a>	Java Programming	<b>CREDIT HOURS:</b>	3.00

**2nd Spring**

<a href="#">WEB187</a>	Programming for Mobile Devices	<b>CREDIT HOURS:</b>	3.00
<a href="#">WEB287</a>	Web e-Portfolio	<b>CREDIT HOURS:</b>	2.00
<a href="#">GIS111</a>	Introduction to GIS	<b>CREDIT HOURS:</b>	3.00
<a href="#">GIS121</a>	Georeferencing & Mapping	<b>CREDIT HOURS:</b>	3.00
<a href="#">GIS222</a>	Internet Mapping	<b>CREDIT HOURS:</b>	3.00

**Computer Technology Integration: Certificate in CTI Fundamentals**

<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTS115</a>	Information Systems Business Concepts	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTH110</a>	Web, Programming, and Database Foundations	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTI120</a>	Network & Security Foundation	<b>CREDIT HOURS:</b>	3.00
<a href="#">NOS110</a>	Operating System Concepts	<b>CREDIT HOURS:</b>	3.00

**Computer Technology Integration: Certificate in PC Technician**

<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">CTS120</a>	Hardware/Software Support	<b>CREDIT HOURS:</b>	3.00
<a href="#">CTS220</a>	Advanced Hardware/Software Support	<b>CREDIT HOURS:</b>	3.00 6.1.14
<a href="#">NOS110</a>	Operating System Concepts	<b>CREDIT HOURS:</b>	3.00
<a href="#">NOS130</a>	Windows Single User	<b>CREDIT HOURS:</b>	3.00

### **Computer Technology Integration: Certificate in CISCO Networking**

<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">NET125</a>	Networking Basics	<b>CREDIT HOURS:</b>	3.00
<a href="#">NET126</a>	Routing Basics	<b>CREDIT HOURS:</b>	3.00
<a href="#">NET225</a>	Routing & Switching I	<b>CREDIT HOURS:</b>	3.00
<a href="#">NET226</a>	Routing & Switching II	<b>CREDIT HOURS:</b>	3.00
<a href="#">SEC110</a>	Security Concepts	<b>CREDIT HOURS:</b>	3.00

### **Computer Technology Integration: Certificate in Internet/Mobile Mapping**

<a href="#">WEB110</a>	Internet/Web Fundamentals	<b>CREDIT HOURS:</b>	3.00
<a href="#">WEB125</a>	Mobile Web Design	<b>CREDIT HOURS:</b>	3.00
<a href="#">GIS111</a>	Introduction to GIS	<b>CREDIT HOURS:</b>	3.00
<a href="#">GIS121</a>	Georeferencing & Mapping	<b>CREDIT HOURS:</b>	3.00
<a href="#">GIS222</a>	Internet Mapping	<b>CREDIT HOURS:</b>	3.00

### **Computer Technology Integration: Certificate in Mobile Application Design**

<a href="#">CIS115</a>	Introduction to Programming & Logic (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">WEB110</a>	Internet/Web Fundamentals	<b>CREDIT HOURS:</b>	3.00
<a href="#">WEB125</a>	Mobile Web Design	<b>CREDIT HOURS:</b>	3.00
<a href="#">WEB141</a>	Mobile Interface Design	<b>CREDIT HOURS:</b>	3.00
<a href="#">WEB151</a>	Mobile Application Development I	<b>CREDIT HOURS:</b>	3.00

### **Computer Technology Integration (High School Career and College Promise)**

#### **After High School**

Hours Needed to Complete Diploma: n/a

Hours Needed to Complete Associate Degree: 51

#### **What it's about**

The Computer Technology Integration (CTI) curriculum prepares graduates for employment as designers, testers, support technicians, administrators, developers, or programmers with organizations that use computers to design, process, manage, and communicate information, depending on the technical path selected within this curriculum.

#### **What you can get**

Upon successful completion of all courses in this CCP pathway, the student will be awarded a Certificate in Computer Technology Integration Fundamentals from DCCC

#### **Minimum Placement Test Scores**

Reading & Sentence Skills - 129

Math Score - 7

Math Modules - 010-050

## High School Junior Year (Fall)

<u>CIS110</u>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00	6.1.14
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## High School Junior Year (Spring)

<u>CTS115</u>	Information Systems Business Concepts	<b>CREDIT HOURS:</b>	3.00
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<u>NOS110</u>	Operating System Concepts	<b>CREDIT HOURS:</b>	3.00
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## High School Senior Year (Spring)

<u>CTH110</u>	Web, Programming, and Database Foundations	<b>CREDIT HOURS:</b>	3.00
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<u>CTH20</u>	Network & Security Foundation	<b>CREDIT HOURS:</b>	3.00
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## ELECTRONICS ENGINEERING TECHNOLOGY

The Electronics Engineering Technology curriculum prepares the students to apply basic engineering principles and technical skills to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems.

This curriculum prepares students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Includes instruction in mathematics, natural sciences, engineering sciences and technology, basic electricity, solid-state fundamentals, digital concepts, and microprocessors or programmable logic controllers.

Graduates should qualify for employment as electronics engineering technician, field service technician, instrumentation technician, maintenance technician, electronic tester, electronic systems integrator, bench technician, and production control technician.

Upon successful completion of this program, the student should be able to:

1. Demonstrate the personal and interpersonal skills needed to perform successfully as an entry-level electronic technician.
2. Use basic test equipment and measuring instruments, including power supplies, multimeters, function generators, oscilloscopes, and logic analyzers.
3. Use basic theorems of DC and AC network analysis to design, analyze, and troubleshoot electronic systems.
4. Demonstrate understanding and use of basic electronic components, including semiconductor devices, operational amplifiers, and linear integrated circuits in power supplies, amplifiers, and control circuits.
5. Design, build, and analyze combinational and sequential logic circuits.
6. Program and interface a microcontroller to perform control operations in C and assembly language.
7. Incorporate RAM and EPROM memory, input and output ports, and specialized interfacing components into a microprocessor system.
8. Configure and program a programmable logic controller (PLC) to operate automated equipment.
9. Design, implement, and troubleshoot pneumatic and/or hydraulic systems.
10. Demonstrate understanding of electric machines and their operating parameters.
11. Access and utilize technical information sources such as data, books, the Internet, and other people.
12. Capture, organize, and effectively document laboratory experiences in oral, written, and graphical form.

## Electronics Engineering Technology: Associate in Applied Science Degree Program

### 1st Fall

<u>ACA090</u>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
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<u>ELC138</u>	DC Circuit Analysis	<b>CREDIT HOURS:</b>	4.00
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<u>ELC139</u>	AC Circuit Analysis	<b>CREDIT HOURS:</b>	4.00
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<u>ELN133</u>	Digital Electronics	<b>CREDIT HOURS:</b>	4.00
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<u>MAT121</u>	Algebra/Trigonometry I	<b>CREDIT HOURS:</b>	3.00
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### 1st Spring

<u>HYD110</u>	Hydraulics/Pneumatics I	<b>CREDIT HOURS:</b>	3.00
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<u>ELC128</u>	Introduction to PLC	<b>CREDIT HOURS:</b>	3.00
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<u>ELN131</u>	Analog Electronics I	<b>CREDIT HOURS:</b>	4.00
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<u>ENG111</u>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
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<u>PSY150</u>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
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### Summer

<u>ENG114</u>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00
<u>HUM115</u>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00 6.1.14
<b>2nd Fall</b>			
<u>ELC228</u>	PLC Applications	<b>CREDIT HOURS:</b>	4.00
<u>CSC133</u>	C Programming	<b>CREDIT HOURS:</b>	3.00
<u>ATR112</u>	Introduction to Automation	<b>CREDIT HOURS:</b>	3.00
<u>MEC130</u>	Mechanisms	<b>CREDIT HOURS:</b>	3.00
<b>2nd Spring</b>			
<u>ATR211</u>	Robot Programming	<b>CREDIT HOURS:</b>	3.00
<u>ELC135</u>	Electrical Machines I	<b>CREDIT HOURS:</b>	3.00
<u>PCI264</u>	Process Control with PLCs	<b>CREDIT HOURS:</b>	4.00
<u>EGR285</u>	Design Project	<b>CREDIT HOURS:</b>	2.00
<u>ELN232</u>	Introduction to Microprocessors	<b>CREDIT HOURS:</b>	4.00

### Electronics Engineering Technology: Diploma Program

#### **1st Fall**

<u>ELC138</u>	DC Circuit Analysis	<b>CREDIT HOURS:</b>	4.00
<u>ELC139</u>	AC Circuit Analysis	<b>CREDIT HOURS:</b>	4.00
<u>ELN133</u>	Digital Electronics	<b>CREDIT HOURS:</b>	4.00
<u>MAT121</u>	Algebra/Trigonometry I	<b>CREDIT HOURS:</b>	3.00

#### **1st Spring**

<u>HYD110</u>	Hydraulics/Pneumatics I	<b>CREDIT HOURS:</b>	3.00
<u>ELC128</u>	Introduction to PLC	<b>CREDIT HOURS:</b>	3.00
<u>ELN131</u>	Analog Electronics I	<b>CREDIT HOURS:</b>	4.00

#### **Choose one ENG course from below for 1st Spring**

<u>ENG102</u>	Applied Communications II	<b>CREDIT HOURS:</b>	3.00
<u>ENG111</u>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00

#### **2nd Fall**

<u>CSC133</u>	C Programming	<b>CREDIT HOURS:</b>	3.00
<u>MEC130</u>	Mechanisms	<b>CREDIT HOURS:</b>	3.00
<u>ATR112</u>	Introduction to Automation	<b>CREDIT HOURS:</b>	3.00

### Electronics Engineering Technology: Certificate Program - Emphasis in Mechatronics

#### **Fall**

<u>ELC138</u>	DC Circuit Analysis	<b>CREDIT HOURS:</b>	4.00
<u>ELC139</u>	AC Circuit Analysis	<b>CREDIT HOURS:</b>	4.00
<u>ELN133</u>	Digital Electronics	<b>CREDIT HOURS:</b>	4.00

#### **Spring**

<u>HYD110</u>	Hydraulics/Pneumatics I	<b>CREDIT HOURS:</b>	3.00
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**Certificate - Electronics Engineering Technology (High School Career and College Promise)**

6.1.14

**After High School**

Hours Needed to Complete Diploma: 19

Hours Needed to Complete Associate Degree: 48

**What it's about**

The Electronics Engineering Technology curriculum prepares individuals to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems.

**What you can get**

Upon successful completion of all courses in this CCP pathway, the student will be awarded a Certificate in Mechatronics from DCCC.

**Minimum Placement Test Scores**

Reading &amp; Sentence Skills - 129

Math Score - 7

Math Modules - 010-060

**High School Sophomore Year (Fall)**

<a href="#">ELN133</a>	Digital Electronics	<b>CREDIT HOURS:</b>	4.00
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**High School Sophomore Year (Spring)**

<a href="#">HYD110</a>	Hydraulics/Pneumatics I	<b>CREDIT HOURS:</b>	3.00
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**High School Junior Year (Fall)**

<a href="#">ELC138</a>	DC Circuit Analysis	<b>CREDIT HOURS:</b>	4.00
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<a href="#">ELC139</a>	AC Circuit Analysis	<b>CREDIT HOURS:</b>	4.00
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**High School Junior Year (Spring)**

<a href="#">ELC128</a>	Introduction to PLC	<b>CREDIT HOURS:</b>	3.00
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**GLOBAL LOGISTICS TECHNOLOGY**

The Global Logistics Technology curriculum prepares individuals for a multitude of career opportunities in distribution, transportation, and manufacturing organizations. Classroom instruction, field of study experiences, and practical laboratory applications of logistics management and global technology capabilities are included in the program of study.

Course work includes computer applications, accounting, business law, economics, management, industrial sciences, and international studies. Students will solve different levels of logistics-related problems through case study evaluations and supply chain projects utilizing logistical hardware and intelligent software tools.

Graduates should qualify for positions in a wide range of government agencies, manufacturing, and service organizations. Employment opportunities include entry-level purchasing, material management, warehousing, inventory, transportation coordinators, and logistics analysts. Upon completion, graduates may be eligible for certification credentials through APICS and AST&L.

Upon successful completion of this program, the student should be able to:

1. Demonstrate the ability to evaluate the economic, environmental, and sociological impact in the transportation of supplies and materials domestically and globally.
2. Apply contemporary warehousing and distribution practices to monitor and evaluate the flow of products and information through an organization's supply chain.
3. Identify and procure proper supplies or materials in the proper time frame using a globally diverse base of suppliers and customers.
4. Understand the use of technology to operate and manage global logistics operations.

**Global Logistics Technology: Associate in Applied Science Degree Program****1st Fall**

<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
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<a href="#">LOG110</a>	Introduction to Logistics	<b>CREDIT HOURS:</b>	3.00
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<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">LOG125</a>	Transportation Logistics	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00 6.1.14
<b>1st Spring</b>			
<a href="#">INT110</a>	International Business	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS137</a>	Principles of Management (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">LOG211</a>	Distribution Management	<b>CREDIT HOURS:</b>	3.00
<a href="#">LOG210</a>	Fleet Management	<b>CREDIT HOURS:</b>	3.00
<b>Pick 1 course from below for 1st Spring</b>			
<a href="#">ECO151</a>	Survey of Economics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO251</a>	Principles of Microeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO252</a>	Principles of Macroeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>1st Summer</b>			
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">GEO111</a>	World Regional Geography	<b>CREDIT HOURS:</b>	3.00
<b>2nd Fall</b>			
<a href="#">ACC120</a>	Principles of Financial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">BUS115</a>	Business Law I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">LOG240</a>	Purchasing Logistics	<b>CREDIT HOURS:</b>	3.00
<a href="#">LOG235</a>	Import/Export Management	<b>CREDIT HOURS:</b>	3.00
<a href="#">DBA110</a>	Database Concepts	<b>CREDIT HOURS:</b>	3.00
<b>2nd Spring</b>			
<a href="#">ENG114</a>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC121</a>	Principles of Managerial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">LOG250</a>	Advanced Global Logistics	<b>CREDIT HOURS:</b>	4.00
<a href="#">LOG215</a>	Supply Chain Management	<b>CREDIT HOURS:</b>	3.00

### Global Logistics Technology: Diploma Program

<b>1st Fall</b>			
<a href="#">LOG110</a>	Introduction to Logistics	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC120</a>	Principles of Financial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">LOG125</a>	Transportation Logistics	<b>CREDIT HOURS:</b>	3.00
<b>1st Spring</b>			
<a href="#">LOG210</a>	Fleet Management	<b>CREDIT HOURS:</b>	3.00
<a href="#">LOG215</a>	Supply Chain Management	<b>CREDIT HOURS:</b>	3.00
<a href="#">INT110</a>	International Business	<b>CREDIT HOURS:</b>	3.00

<a href="#">LOG211</a>	Distribution Management	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS137</a>	Principles of Management (CAA)	<b>CREDIT HOURS:</b>	3.00 <sup>6.1.14</sup>
<b>Pick one of the following courses for 1st Spring</b>			
<a href="#">ECO151</a>	Survey of Economics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO251</a>	Principles of Microeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO252</a>	Principles of Macroeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>Summer</b>			
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00

### **Global Logistics Technology: Certificate Program**

<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">LOG110</a>	Introduction to Logistics	<b>CREDIT HOURS:</b>	3.00
<a href="#">LOG125</a>	Transportation Logistics	<b>CREDIT HOURS:</b>	3.00
<a href="#">LOG210</a>	Fleet Management	<b>CREDIT HOURS:</b>	3.00
<a href="#">LOG211</a>	Distribution Management	<b>CREDIT HOURS:</b>	3.00
<a href="#">INT110</a>	International Business	<b>CREDIT HOURS:</b>	3.00

### **Certificate - Global Logistics Technology (High School Career and College Promise)**

#### **After High School**

Hours Needed to Complete Diploma: 22

Hours Needed to Complete Associate Degree: 52

#### **What it's about**

The Global Logistics Technology curriculum prepares individuals for a multitude of career opportunities in distribution, transportation, and manufacturing organizations. Classroom instruction, field of study experiences, and practical laboratory applications of logistics management and global technology capabilities are included in the program of study.

#### **What you can get**

Upon successful completion of all courses in this CCP pathway, the student will be awarded a Certificate in Global Logistics from DCCC.

#### **Minimum Placement Test Scores**

Reading & Sentence Skills - 165

Math Score - 7

Math Modules - 010-030

#### **High School Junior Year (Fall)**

<a href="#">LOG110</a>	Introduction to Logistics	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00

#### **High School Junior Year (Spring)**

<a href="#">LOG211</a>	Distribution Management	<b>CREDIT HOURS:</b>	3.00
<a href="#">LOG210</a>	Fleet Management	<b>CREDIT HOURS:</b>	3.00

#### **High School Senior Year (Fall)**

<a href="#">LOG125</a>	Transportation Logistics	<b>CREDIT HOURS:</b>	3.00
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#### **High School Senior Year (Spring)**

<a href="#">INT110</a>	International Business	<b>CREDIT HOURS:</b>	3.00
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# DIESEL & HEAVY EQUIPMENT TECHNOLOGY

The Diesel & Heavy Equipment Technology curriculum prepares individuals for employment as entry-level transportation service technicians. The program provides an introduction to diesel & heavy equipment industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field.

This program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain diesel engines in vehicles such as Heavy Duty Trucks over one ton classification, buses, ships, railroad locomotives, and equipment; as well as stationary diesel engines in electrical generators and related equipment.

Course work may include transportation systems theory, braking systems, climate control, design parameters, automatic and manual transmissions and drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, heating and air condition systems, and sustainable transportation.

Graduates of the curriculum should be prepared to take professional licensure exams, and to enter careers as entry-level technicians in the transportation industry.

Upon successful completion of this program, the student should be able to:

1. Perform the duties of an entry level technician as it relates to workplace safety, hazardous materials, environmental regulations, hand tools, service information, basic concepts, vehicle systems, and common transportation industry terminology.
2. Manage the day-to-day responsibility of an entry-level technician by managing time effectively, working effectively and ethically with others, demonstrating dependability, and completing tasks satisfactorily.
3. Identify, diagnose, and state proper and safe procedure for repair of hybrid, alternative fuel, and other green technology systems.
4. Describe the process of operation for all major systems in heavy equipment vehicles.
5. Analyze and diagnose automotive system malfunctions and repair or replace defective components.

## Diesel & Heavy Equipment Technology: Associate in Applied Science Degree

### **1st Fall**

<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRN110</a>	Intro to Transport Tech	<b>CREDIT HOURS:</b>	2.00
<a href="#">TRN120</a>	Basic Transp Electricity	<b>CREDIT HOURS:</b>	5.00
<a href="#">TRN120A</a>	Basic Transp Electrical Lab	<b>CREDIT HOURS:</b>	1.00
<a href="#">HET110</a>	Diesel Engines	<b>CREDIT HOURS:</b>	6.00

### **1st Spring**

<a href="#">PHY121</a>	Applied Physics I	<b>CREDIT HOURS:</b>	4.00
<a href="#">HET134</a>	Diesel Fuel & Power Sys	<b>CREDIT HOURS:</b>	3.00
<a href="#">HET233</a>	Suspension & Steering	<b>CREDIT HOURS:</b>	4.00
<a href="#">HET231</a>	Medium/Heavy Duty Brake Systems	<b>CREDIT HOURS:</b>	2.00
<a href="#">HET230</a>	Air Brakes	<b>CREDIT HOURS:</b>	2.00
<a href="#">HYD112</a>	Hydraulics/Med/Heavy Duty	<b>CREDIT HOURS:</b>	2.00

### **Summer**

<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRN140</a>	Transp Climate Control	<b>CREDIT HOURS:</b>	2.00
<a href="#">TRN140A</a>	Transp Climate Cont Lab	<b>CREDIT HOURS:</b>	2.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00

### **2nd Fall**

<a href="#">HET114</a>	Power Training	<b>CREDIT HOURS:</b>	5.00
<a href="#">HET115</a>	Electronic Engines	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRN130</a>	Intro to Sustainable Transp	<b>CREDIT HOURS:</b>	3.00
<a href="#">TRN180</a>	Basic Welding for Transp	<b>CREDIT HOURS:</b>	3.00

## 2nd Spring

<a href="#">ENG114</a>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00	6.1.14
<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00	
<a href="#">HET125</a>	Preventive Maintenance	<b>CREDIT HOURS:</b>	2.00	
<a href="#">HET126</a>	Preventive Maintenance Lab	<b>CREDIT HOURS:</b>	1.00	
<a href="#">HYD210</a>	Advanced Hydraulics	<b>CREDIT HOURS:</b>	2.00	
<a href="#">TRN145</a>	Adv Transp Electronics	<b>CREDIT HOURS:</b>	3.00	

## Diesel & Heavy Equipment Technology: Diploma Program

### Fall

<a href="#">TRN110</a>	Intro to Transport Tech	<b>CREDIT HOURS:</b>	2.00	
<a href="#">TRN120</a>	Basic Transp Electricity	<b>CREDIT HOURS:</b>	5.00	
<a href="#">TRN120A</a>	Basic Transp Electrical Lab	<b>CREDIT HOURS:</b>	1.00	
<a href="#">HET110</a>	Diesel Engines	<b>CREDIT HOURS:</b>	6.00	

### Spring

<a href="#">PHY121</a>	Applied Physics I	<b>CREDIT HOURS:</b>	4.00	
<a href="#">HET134</a>	Diesel Fuel & Power Sys	<b>CREDIT HOURS:</b>	3.00	
<a href="#">HET233</a>	Suspension & Steering	<b>CREDIT HOURS:</b>	4.00	
<a href="#">HET231</a>	Medium/Heavy Duty Brake Systems	<b>CREDIT HOURS:</b>	2.00	
<a href="#">HET230</a>	Air Brakes	<b>CREDIT HOURS:</b>	2.00	
<a href="#">HYD112</a>	Hydraulics/Med/Heavy Duty	<b>CREDIT HOURS:</b>	2.00	

### Summer

<a href="#">ENG102</a>	Applied Communications II	<b>CREDIT HOURS:</b>	3.00	
<a href="#">TRN140</a>	Transp Climate Control	<b>CREDIT HOURS:</b>	2.00	
<a href="#">TRN140A</a>	Transp Climate Cont Lab	<b>CREDIT HOURS:</b>	2.00	

## Diesel & Heavy Equipment Technology: Certificate Program - Emphasis in Diesel Engines

### Fall

<a href="#">TRN110</a>	Intro to Transport Tech	<b>CREDIT HOURS:</b>	2.00	
<a href="#">TRN120</a>	Basic Transp Electricity	<b>CREDIT HOURS:</b>	5.00	
<a href="#">TRN120A</a>	Basic Transp Electrical Lab	<b>CREDIT HOURS:</b>	1.00	
<a href="#">HET110</a>	Diesel Engines	<b>CREDIT HOURS:</b>	6.00	

## Diesel & Heavy Equipment Technology: Certificate Program - Basic Medium/Heavy Duty Servicing

### Spring

<a href="#">HET134</a>	Diesel Fuel & Power Sys	<b>CREDIT HOURS:</b>	3.00	
<a href="#">HET233</a>	Suspension & Steering	<b>CREDIT HOURS:</b>	4.00	
<a href="#">HET231</a>	Medium/Heavy Duty Brake Systems	<b>CREDIT HOURS:</b>	2.00	
<a href="#">HET230</a>	Air Brakes	<b>CREDIT HOURS:</b>	2.00	



**Diesel & Heavy Equipment Technology: Certificate Program - Adv. Medium/Heavy Duty Servicing**

The student must fully complete the Diesel & Heavy Equipment Technology Basic Medium/Heavy Duty Servicing certificate before beginning this program of study.

**Fall**

<a href="#">TRN120</a>	Basic Transp Electricity	<b>CREDIT HOURS:</b>	5.00
<a href="#">TRN120A</a>	Basic Transp Electrical Lab	<b>CREDIT HOURS:</b>	1.00

**Spring**

<a href="#">HET125</a>	Preventive Maintenance	<b>CREDIT HOURS:</b>	2.00
<a href="#">HET126</a>	Preventive Maintenance Lab	<b>CREDIT HOURS:</b>	1.00
<a href="#">HYD210</a>	Advanced Hydraulics	<b>CREDIT HOURS:</b>	2.00
<a href="#">TRN145</a>	Adv Transp Electronics	<b>CREDIT HOURS:</b>	3.00

**Summer**

<a href="#">TRN140</a>	Transp Climate Control	<b>CREDIT HOURS:</b>	2.00
<a href="#">TRN140A</a>	Transp Climate Cont Lab	<b>CREDIT HOURS:</b>	2.00

**Certificate - Diesel & Heavy Equipment Technology (High School Career and College Promise)****After High School**

Hours Needed to Complete Diploma: 23

Hours Needed to Complete Associate Degree: 56

**What it's about**

The Diesel & Heavy Equipment Technology curriculum is designed to prepare individuals with the knowledge and skills needed to service, troubleshoot, and repair medium and heavy-duty vehicles.

**What you can get**

Upon successful completion of all courses in this CCP pathway, the student will be awarded a Certificate in Diesel & Heavy Equipment Technology from DCCC.

**Minimum Placement Test Scores**

Reading & Sentence Skills - 92

Math Score - 2

Math Modules - 010

**High School Junior Year (Fall)**

<a href="#">TRN110</a>	Intro to Transport Tech	<b>CREDIT HOURS:</b>	2.00
<a href="#">TRN120</a>	Basic Transp Electricity	<b>CREDIT HOURS:</b>	5.00
<a href="#">TRN120A</a>	Basic Transp Electrical Lab	<b>CREDIT HOURS:</b>	1.00

**High School Junior Year (Spring)**

<a href="#">HET230</a>	Air Brakes	<b>CREDIT HOURS:</b>	2.00
<a href="#">HET231</a>	Medium/Heavy Duty Brake Systems	<b>CREDIT HOURS:</b>	2.00

**High School Senior Year (Fall)**

<a href="#">TRN130</a>	Intro to Sustainable Transp	<b>CREDIT HOURS:</b>	3.00
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**High School Senior Year (Spring)**

<a href="#">HET125</a>	Preventive Maintenance	<b>CREDIT HOURS:</b>	2.00
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## HUMAN RESOURCES MANAGEMENT

Human Resources Management is a concentration under the curriculum title of Business Administration. The curriculum is designed to meet the demands of business and service agencies. The objective is the development of generalists and specialists in the administration, training, and management of human resources.

Course work includes studies in management, interviewing, placement, needs assessment, planning, compensation and benefits, and training techniques. Also included are topics such as people skills, learning approaches, skills building, and development of instructional and training materials.

Graduates from this program will have a sound business educational base for lifelong learning. Students will be prepared for employment opportunities in personnel, training, and other human resources development areas.

Upon successful completion of this program, the student should be able to:

1. Apply critical thinking and sound business principles to analyze and solve problems in the functional areas of recruitment, selection, training, and development of employees, compensation and benefits, employment law, and regulations.
2. Demonstrate effective written and oral communication in a business environment. Communicate effectively in a business environment through speaking, listening, and writing.
3. Demonstrate the ability to work efficiently and effectively with others in a team environment.
4. Apply the major functions of management (planning, organizing, directing, controlling) to a specific management situation.

### Human Resources Management: Associate in Applied Science Degree Program

\*students wanting to transfer should take ECO 252 & ECO 251

\*non-transfer students should take PSY 150 & ECO 151 or SOC 210 & ECO 151

#### **1st Fall**

<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS110</a>	Introduction to Business (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MKT120</a>	Principles of Marketing	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS137</a>	Principles of Management (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00

#### **1st Spring**

<a href="#">ACC120</a>	Principles of Financial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">BUS115</a>	Business Law I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS121</a>	Business Math	<b>CREDIT HOURS:</b>	3.00

#### **Choose one course below for 1st Spring**

<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">SOC210</a>	Introduction to Sociology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO252</a>	Principles of Macroeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00

#### **Choose one course below for Summer**

<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
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#### **Choose one more course from below for Summer**

<a href="#">ENG112</a>	Argument-Based Research (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">ENG114</a>	Professional Research & Reporting (CAA)	<b>CREDIT</b>	3.00
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**2nd Fall**

<a href="#">BUS153</a>	Human Resource Management	<b>CREDIT HOURS:</b>	3.00	6.1.14
<a href="#">BUS234</a>	Training & Development	<b>CREDIT HOURS:</b>	3.00	
<a href="#">BUS256</a>	Recruitment, Selection & Personnel Planning	<b>CREDIT HOURS:</b>	3.00	
<a href="#">BUS217</a>	Employment Law & Regulation	<b>CREDIT HOURS:</b>	3.00	
<a href="#">BUS258</a>	Compensation & Benefits	<b>CREDIT HOURS:</b>	3.00	

**2nd Spring**

<a href="#">INT110</a>	International Business	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC140</a>	Payroll Accounting	<b>CREDIT HOURS:</b>	2.00
<a href="#">BUS260</a>	Business Communication	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS259</a>	Human Resource Management Applications	<b>CREDIT HOURS:</b>	3.00

**Choose one course from below for 2nd Spring**

<a href="#">ECO151</a>	Survey of Economics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO251</a>	Principles of Microeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00

**Human Resources Management: Associate in Applied Science Degree Program (Online/Hybrid)**

\*students wanting to transfer should take ECO 252 & ECO 251

\*non-transfer students should take PSY 150 & ECO 151 or SOC 210 & ECO 151

**1st Fall**

<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS110</a>	Introduction to Business (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00

**1st Spring**

<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MKT120</a>	Principles of Marketing	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS137</a>	Principles of Management (CAA)	<b>CREDIT HOURS:</b>	3.00

**1st Summer****Choose one course from below for 1st summer**

<a href="#">ENG112</a>	Argument-Based Research (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG114</a>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00

**2nd Fall**

<a href="#">BUS234</a>	Training & Development	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS217</a>	Employment Law & Regulation	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC120</a>	Principles of Financial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">BUS153</a>	Human Resource Management	<b>CREDIT HOURS:</b>	3.00

**2nd Spring**

<a href="#">BUS121</a>	Business Math	<b>CREDIT HOURS:</b>	3.00
<a href="#">ACC140</a>	Payroll Accounting	<b>CREDIT HOURS:</b>	2.00 6.1.14
<a href="#">BUS115</a>	Business Law I (CAA)	<b>CREDIT HOURS:</b>	3.00

**Choose one course from below for 2nd Spring**

<a href="#">ECO151</a>	Survey of Economics (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO251</a>	Principles of Microeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00

**2nd Summer**

**Choose one course below for 2nd Summer**

<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
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**3rd Fall**

<a href="#">BUS260</a>	Business Communication	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS256</a>	Recruitment, Selection & Personnel Planning	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS258</a>	Compensation & Benefits	<b>CREDIT HOURS:</b>	3.00

**Choose one course from below for 3rd FALL**

<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
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**Choose one course from below for 3rd FALL**

<a href="#">SOC210</a>	Introduction to Sociology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ECO252</a>	Principles of Macroeconomics (CAA)	<b>CREDIT HOURS:</b>	3.00

**3rd Spring**

<a href="#">INT110</a>	International Business	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS259</a>	Human Resource Management Applications	<b>CREDIT HOURS:</b>	3.00

**Human Resources Management: Diploma Program**

**1st Fall**

<a href="#">MKT120</a>	Principles of Marketing	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS137</a>	Principles of Management (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00

**1st Spring**

<a href="#">ACC120</a>	Principles of Financial Accounting (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">BUS115</a>	Business Law I (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00

**Choose one course below for Summer**

<a href="#">ENG112</a>	Argument-Based Research (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">ENG114</a>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00
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**2nd Fall**

<a href="#">BUS153</a>	Human Resource Management	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS234</a>	Training & Development	<b>CREDIT HOURS:</b>	3.00

<a href="#">BUS256</a>	Recruitment, Selection & Personnel Planning	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS258</a>	Compensation & Benefits	<b>CREDIT HOURS:</b>	3.00 6.1.14
<a href="#">BUS217</a>	Employment Law & Regulation	<b>CREDIT HOURS:</b>	3.00

### Human Resources Management: Certificate Program

#### **Fall**

<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS153</a>	Human Resource Management	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS234</a>	Training & Development	<b>CREDIT HOURS:</b>	3.00

#### **Spring**

<a href="#">BUS115</a>	Business Law I (CAA)	<b>CREDIT HOURS:</b>	3.00
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### INDUSTRIAL SYSTEMS TECHNOLOGY

The Industrial Systems Technology curriculum is designed to prepare or upgrade individuals to safely service, maintain, repair, or install equipment. Instruction includes theory and skill training needed for inspecting, testing, troubleshooting, and diagnosing industrial systems.

Students will learn multi-craft technical skills in blueprint reading, mechanical systems, maintenance, electricity, hydraulics/pneumatics, welding, machining or fabrication, and includes various diagnostics and repair procedures. Practical application in these industrial systems will be emphasized, and additional advanced course work may be offered.

Upon completion of this curriculum, graduates should be able to individually, or with a team, safely install, inspect, diagnose, repair, and maintain industrial process and support equipment. Students will also be encouraged to develop their skills as lifelong learners.

Upon successful completion of this program, the student should be able to:

1. Communicate effectively with fellow workers, contract service personnel, and employer through written and/or oral communications.
2. Use reference texts, machine manuals and prints, service bulletins, basic mathematical skills, the Internet, and work associates to access information necessary to calculate materials and requirements for problem solving in a timely manner.
3. Demonstrate the critical thinking skills needed for safe installation, modifying, troubleshooting, and basic repair of electrical, hydraulic/pneumatic, industrial robots, and mechanical drives systems.
4. Maintain the cleanliness, integrity and safe operating conditions of equipment, tools and supplies in a technical/manufacturing/service facility and/or service vehicles.
5. Use precision measuring instruments, tools, and gauges to maintain equipment and systems performance to OEM or Facility standards (requirements).
6. Draw and interpret engineering prints and schematics, electrical wiring diagrams, PLC ladder logic, hydraulics/pneumatics and mechanical systems drawings used in industrial applications.
7. Manage responsibilities of an entry-level technician by demonstrating dependability and completing assigned tasks satisfactorily.

### Industrial Systems Technology: Associate in Applied Science Degree Program

#### **1st Fall**

<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
<a href="#">AHR160</a>	Refrigerant Certification	<b>CREDIT HOURS:</b>	1.00
<a href="#">ISC112</a>	Industrial Safety	<b>CREDIT HOURS:</b>	2.00
<a href="#">BPR111</a>	Blueprint Reading	<b>CREDIT HOURS:</b>	2.00
<a href="#">ELC111</a>	Introduction to Electricity	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT121</a>	Algebra/Trigonometry I	<b>CREDIT HOURS:</b>	3.00

#### **Choose one of the following for 1st Fall**

<a href="#">CIS111</a>	Basic PC Literacy	<b>CREDIT HOURS:</b>	2.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00

#### **1st Spring**

<a href="#">WLD112</a>	Basic Welding Processes	<b>CREDIT HOURS:</b>	2.00
<a href="#">MNT110</a>	Introduction to Maintenance Procedures	<b>CREDIT HOURS:</b>	2.00

<a href="#">HYD110</a>	Hydraulics/Pneumatics I	<b>CREDIT HOURS:</b>	3.00
<a href="#">AHR113</a>	Comfort Cooling	<b>CREDIT HOURS:</b>	4.00 6.1.14
<a href="#">PSY118</a>	Interpersonal Psychology	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>Summer</b>			
<a href="#">ENG114</a>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>2nd Fall</b>			
<a href="#">ATR112</a>	Introduction to Automation	<b>CREDIT HOURS:</b>	3.00
<a href="#">ELC115</a>	Industrial Wiring	<b>CREDIT HOURS:</b>	4.00
<a href="#">ELC117</a>	Motors & Controls	<b>CREDIT HOURS:</b>	4.00
<a href="#">MAC141</a>	Machining Applications I	<b>CREDIT HOURS:</b>	4.00
<a href="#">MEC130</a>	Mechanisms	<b>CREDIT HOURS:</b>	3.00
<b>2nd Spring</b>			
<a href="#">MAC142</a>	Machining Applications II	<b>CREDIT HOURS:</b>	4.00
<a href="#">ELC128</a>	Introduction to PLC	<b>CREDIT HOURS:</b>	3.00
<a href="#">ELC215</a>	Electrical Maintenance	<b>CREDIT HOURS:</b>	3.00
<a href="#">MNT240</a>	Industrial Equipment Troubleshooting	<b>CREDIT HOURS:</b>	2.00
<a href="#">MNT160</a>	Industrial Fabrication	<b>CREDIT HOURS:</b>	2.00

## **Industrial Systems Technology: Diploma Program**

### **1st Fall**

<a href="#">ISC112</a>	Industrial Safety	<b>CREDIT HOURS:</b>	2.00
<a href="#">BPR111</a>	Blueprint Reading	<b>CREDIT HOURS:</b>	2.00
<a href="#">ELC111</a>	Introduction to Electricity	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT110</a>	Math Measurement & Literacy	<b>CREDIT HOURS:</b>	3.00

### **Choose one of the following for 1st Fall**

<a href="#">CIS111</a>	Basic PC Literacy	<b>CREDIT HOURS:</b>	2.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00

### **1st Spring**

<a href="#">WLD112</a>	Basic Welding Processes	<b>CREDIT HOURS:</b>	2.00
<a href="#">MNT110</a>	Introduction to Maintenance Procedures	<b>CREDIT HOURS:</b>	2.00
<a href="#">HYD110</a>	Hydraulics/Pneumatics I	<b>CREDIT HOURS:</b>	3.00
<a href="#">AHR113</a>	Comfort Cooling	<b>CREDIT HOURS:</b>	4.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00

### **2nd Fall**

<a href="#">ATR112</a>	Introduction to Automation	<b>CREDIT HOURS:</b>	3.00
<a href="#">ELC115</a>	Industrial Wiring	<b>CREDIT HOURS:</b>	4.00

<a href="#">MAC141</a>	Machining Applications I	<b>CREDIT HOURS:</b>	4.00
<a href="#">MEC130</a>	Mechanisms	<b>CREDIT HOURS:</b>	3.00 <sup>6.1.14</sup>

### **Industrial Systems Technology: Certificate Program - Emphasis in Electromechanical Systems**

#### **Fall**

<a href="#">BPR111</a>	Blueprint Reading	<b>CREDIT HOURS:</b>	2.00
<a href="#">AHR160</a>	Refrigerant Certification	<b>CREDIT HOURS:</b>	1.00
<a href="#">ELC111</a>	Introduction to Electricity	<b>CREDIT HOURS:</b>	3.00

#### **Spring**

<a href="#">WLD112</a>	Basic Welding Processes	<b>CREDIT HOURS:</b>	2.00
<a href="#">MNT110</a>	Introduction to Maintenance Procedures	<b>CREDIT HOURS:</b>	2.00
<a href="#">HYD110</a>	Hydraulics/Pneumatics I	<b>CREDIT HOURS:</b>	3.00
<a href="#">AHR113</a>	Comfort Cooling	<b>CREDIT HOURS:</b>	4.00

### **Industrial Systems Technology: Certificate Program - Emphasis in Maintenance Procedures**

#### **Fall**

<a href="#">BPR111</a>	Blueprint Reading	<b>CREDIT HOURS:</b>	2.00
<a href="#">ELC111</a>	Introduction to Electricity	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAC141</a>	Machining Applications I	<b>CREDIT HOURS:</b>	4.00

#### **Spring**

<a href="#">WLD112</a>	Basic Welding Processes	<b>CREDIT HOURS:</b>	2.00
<a href="#">MNT110</a>	Introduction to Maintenance Procedures	<b>CREDIT HOURS:</b>	2.00
<a href="#">HYD110</a>	Hydraulics/Pneumatics I	<b>CREDIT HOURS:</b>	3.00

### **Certificate - Industrial Systems Technology (High School Career and College Promise)**

#### **After High School**

Hours Needed to Complete Diploma: 21

Hours Needed to Complete Associate Degree: 52

#### **What it's about**

The Industrial Systems Technology curriculum is designed to prepare or upgrade individuals to safely service, maintain, repair, or install equipment. Instruction includes theory and skill training needed for inspecting, testing, troubleshooting, and diagnosing industrial systems.

#### **What you can get**

Upon successful completion of all courses in this CCP pathway, the student will be awarded a Certificate in Maintenance Procedures from DCCC.

#### **Minimum Placement Test Scores**

Reading & Sentence Skills - 129

Math Score - 7

Math Modules - 010-030

#### **High School Freshman Year (Fall)**

<a href="#">BPR111</a>	Blueprint Reading	<b>CREDIT HOURS:</b>	2.00
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#### **High School Freshman Year (Spring)**

<a href="#">MNT110</a>	Introduction to Maintenance Procedures	<b>CREDIT HOURS:</b>	2.00 <sup>151</sup>
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#### **High School Sophomore Year (Fall)**

<u>MAC141</u>	Machining Applications I	<b>CREDIT HOURS:</b>	4.00
<b>High School Sophomore Year (Spring)</b>			
<u>HYD110</u>	Hydraulics/Pneumatics I	<b>CREDIT HOURS:</b>	3.00
<b>High School Junior Year (Fall)</b>			
<u>ELC111</u>	Introduction to Electricity	<b>CREDIT HOURS:</b>	3.00
<b>High School Junior Year (Spring)</b>			
<u>WLD112</u>	Basic Welding Processes	<b>CREDIT HOURS:</b>	2.00

## MOTORCYCLE MECHANICS

The Motorcycle Mechanics curriculum prepares individuals for employment as entry level technicians. The program provides an introduction to motorcycle careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field.

This program prepares individuals to apply technical knowledge and skills to repair, service, and maintain motorcycles and other similarly powered vehicles.

The course work may include transportation systems theory, braking systems, design parameters, drivetrains, electrical/ignition systems, engine repair, engine performance, safety, suspension, lubrication and cooling systems, carburetion, fuel systems and adjustments of moving parts.

Graduates of the curriculum should be prepared to enter careers as entry level technicians.

Upon successful completion of this program, the student should be able to:

1. Describe the process of operation for all major systems in motorcycles or related vehicles.
2. Analyze and diagnose motorcycle system malfunctions and repair or replace defective components.
3. Manage the day-to-day responsibilities of an entry-level technician by managing time effectively, working effectively and ethically with others, demonstrating dependability, and completing tasks satisfactorily.
4. Perform the duties of an entry level technician as it relates to workplace safety, hazardous materials, environmental regulations, hand tools, service information, and vehicle systems.

### Motorcycle Mechanics: Diploma Program

#### **Fall**

<u>TRN110</u>	Intro to Transport Tech	<b>CREDIT HOURS:</b>	2.00
<u>TRN120</u>	Basic Transp Electricity	<b>CREDIT HOURS:</b>	5.00
<u>TRN120A</u>	Basic Transp Electrical Lab	<b>CREDIT HOURS:</b>	1.00
<u>MCM111</u>	Motorcycle Mechanics	<b>CREDIT HOURS:</b>	7.00

#### **Spring**

<u>MCM115</u>	Motorcycle Chassis	<b>CREDIT HOURS:</b>	3.00
<u>MCM114</u>	Motorcycle Fuel Systems	<b>CREDIT HOURS:</b>	5.00
<u>ENG102</u>	Applied Communications II	<b>CREDIT HOURS:</b>	3.00

#### **Choose one course from below for Spring**

<u>MAT110</u>	Math Measurement & Literacy	<b>CREDIT HOURS:</b>	3.00
<u>PHY121</u>	Applied Physics I	<b>CREDIT HOURS:</b>	4.00

#### **Summer**

<u>MCM116</u>	Troubleshooting	<b>CREDIT HOURS:</b>	4.00
<u>MCM122</u>	Motorcycle Engines	<b>CREDIT HOURS:</b>	5.00

### Motorcycle Mechanics: Certificate Program - Emphasis in Motorcycle Servicing

#### **Fall**

<u>TRN110</u>	Intro to Transport Tech	<b>CREDIT HOURS:</b>	2.00
<u>TRN120</u>	Basic Transp Electricity	<b>CREDIT HOURS:</b>	5.00
<u>TRN120A</u>	Basic Transp Electrical Lab	<b>CREDIT HOURS:</b>	1.00



**Certificate - Motorcycle Mechanics (High School Career and College Promise)****After High School**

Hours Needed to Complete Diploma: 24

Hours Needed to Complete Associate Degree: n/a

**What it's about**

The Motorcycle Mechanics curriculum provides training, which develops the knowledge and skills needed to inspect, diagnose, repair, and/or adjust motorcycles, all-terrain vehicles, and personal watercraft.

**What you can get**

Upon successful completion of all courses in this CCP pathway, the student will be awarded a Certificate in Motorcycle Mechanics from DCCC.

**Minimum Placement Test Scores**

Reading &amp; Sentence Skills - 92

Math Score - 2

Math Modules - 010

**High School Junior Year (Fall)**

<a href="#">TRN110</a>	Intro to Transport Tech	<b>CREDIT HOURS:</b>	2.00
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<a href="#">TRN120</a>	Basic Transp Electricity	<b>CREDIT HOURS:</b>	5.00
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<a href="#">TRN120A</a>	Basic Transp Electrical Lab	<b>CREDIT HOURS:</b>	1.00
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**High School Senior Year (Fall)**

<a href="#">MCM111</a>	Motorcycle Mechanics	<b>CREDIT HOURS:</b>	7.00
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**High School Senior Year (Spring)**

<a href="#">MCM115</a>	Motorcycle Chassis	<b>CREDIT HOURS:</b>	3.00
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**TRUCK DRIVER TRAINING**

The Truck Driver Training curriculum prepares individuals to drive tractor-trailer rigs. This program teaches proper driving procedures, safe driver responsibility, commercial motor vehicle laws and regulations and the basic principles and practices for operating commercial vehicles.

The course work includes motor vehicle laws and regulations, map reading, vehicle maintenance, safety procedures, daily logs, defensive driving, freight handling, security and fire protection. Highway driving, training range exercises and classroom lectures are used to develop the student's knowledge and skills.

Graduates of the curriculum are qualified to take the Commercial Driver's License Exam and are employable by commercial trucking firms. They may also become owner/operators and work as private contract haulers.

Upon successful completion of this course:

1. Students will be able to employ safe driving a tractor-trailer under different environmental conditions.
2. Students will be able to interpret DOT guidelines in order to successfully complete the NC CDL test.
3. Students will be able to create appropriate documents based on knowledge of trucking guidelines.

**Truck Driver Training: Certificate Program - Eight-Week Program****8 Week Course**

<a href="#">TRP100</a>	Truck Driver Training(Eight-Week Course)	<b>CREDIT HOURS:</b>	12.00
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**WELDING TECHNOLOGY**

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metal industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses in math, blueprint reading, metallurgy, welding inspection, and destructive and non-destructive testing provides the student with industry-standard skills developed through classroom training and practical application.

Successful graduates of the Welding Technology program may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Upon successful completion of this program, the student should be able to:

6.1.14

1. Demonstrate proper and safe cutting techniques for steel, aluminum, stainless, and other metals using various technologies.
2. Distinguish between ferrous and non-ferrous metals, and be able to demonstrate the correct welding practices of these metals.
3. Weld various metals with arc (Stick) or inert gas-shielded (MIG/TIG) in all positions (flat, horizontal, vertical, and overhead).
4. Demonstrate proper design processes for fabricating products.

### Welding Technology: Associate in Applied Science Program

#### **1st Fall**

<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
<a href="#">WLD110</a>	Cutting Processes	<b>CREDIT HOURS:</b>	2.00
<a href="#">WLD115</a>	SMAW (Stick) Plate	<b>CREDIT HOURS:</b>	5.00
<a href="#">WLD131</a>	GTAW (TIG) Plate	<b>CREDIT HOURS:</b>	4.00
<a href="#">WLD141</a>	Symbols & Specifications	<b>CREDIT HOURS:</b>	3.00

#### **1st Spring**

<a href="#">WLD116</a>	SMAW (Stick) Plate/Pipe	<b>CREDIT HOURS:</b>	4.00
<a href="#">WLD132</a>	GTAW (TIG) Plate/Pipe	<b>CREDIT HOURS:</b>	3.00
<a href="#">WLD121</a>	GMAW (MIG) FCAW/Plate	<b>CREDIT HOURS:</b>	4.00
<a href="#">MAT121</a>	Algebra/Trigonometry I	<b>CREDIT HOURS:</b>	3.00

#### **Summer**

<a href="#">WLD122</a>	GMAW (MIG) Plate/Pipe	<b>CREDIT HOURS:</b>	3.00
<a href="#">WLD151</a>	Fabrication I	<b>CREDIT HOURS:</b>	4.00
<a href="#">WLD261</a>	Certification Practices	<b>CREDIT HOURS:</b>	2.00

#### **2nd Fall**

<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">WLD231</a>	GTAW (Tig) Pipe	<b>CREDIT HOURS:</b>	3.00
<a href="#">WLD215</a>	SMAW (Stick) Pipe	<b>CREDIT HOURS:</b>	4.00
<a href="#">DFT151</a>	CAD I	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAC141</a>	Machining Applications I	<b>CREDIT HOURS:</b>	4.00

#### **2nd Spring**

<a href="#">WLD270</a>	Orbital Welding TIG/Pipe	<b>CREDIT HOURS:</b>	4.00
<a href="#">ENG114</a>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00

### Welding Technology: Diploma Program

#### **1st Fall**

<a href="#">WLD110</a>	Cutting Processes	<b>CREDIT HOURS:</b>	2.00
<a href="#">WLD115</a>	SMAW (Stick) Plate	<b>CREDIT HOURS:</b>	5.00
<a href="#">WLD131</a>	GTAW (TIG) Plate	<b>CREDIT HOURS:</b>	4.00
<a href="#">WLD141</a>	Symbols & Specifications	<b>CREDIT HOURS:</b>	3.00

**1st Spring**

<u>WLD116</u>	SMAW (Stick) Plate/Pipe	<b>CREDIT HOURS:</b>	4.00 6.1.14
<u>WLD132</u>	GTAW (TIG) Plate/Pipe	<b>CREDIT HOURS:</b>	3.00
<u>WLD121</u>	GMAW (MIG) FCAW/Plate	<b>CREDIT HOURS:</b>	4.00
<u>MAT110</u>	Math Measurement & Literacy	<b>CREDIT HOURS:</b>	3.00

**Summer**

<u>WLD122</u>	GMAW (MIG) Plate/Pipe	<b>CREDIT HOURS:</b>	3.00
<u>WLD151</u>	Fabrication I	<b>CREDIT HOURS:</b>	4.00
<u>WLD261</u>	Certification Practices	<b>CREDIT HOURS:</b>	2.00

**Choose 1 ENG course below for Summer**

<u>ENG111</u>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<u>ENG102</u>	Applied Communications II	<b>CREDIT HOURS:</b>	3.00

**Welding Technology: Certificate Program - Emphasis in Basic Techniques****Fall**

<u>WLD110</u>	Cutting Processes	<b>CREDIT HOURS:</b>	2.00
<u>WLD115</u>	SMAW (Stick) Plate	<b>CREDIT HOURS:</b>	5.00
<u>WLD131</u>	GTAW (TIG) Plate	<b>CREDIT HOURS:</b>	4.00
<u>WLD141</u>	Symbols & Specifications	<b>CREDIT HOURS:</b>	3.00

**Welding Technology: Certificate Program - Emphasis in Intermediate Techniques**

The student must fully complete the Welding Technology Emphasis in Basic Techniques certificate before beginning this program of study.

<u>WLD115</u>	SMAW (Stick) Plate	<b>CREDIT HOURS:</b>	5.00
<u>WLD116</u>	SMAW (Stick) Plate/Pipe	<b>CREDIT HOURS:</b>	4.00
<u>WLD121</u>	GMAW (MIG) FCAW/Plate	<b>CREDIT HOURS:</b>	4.00
<u>WLD132</u>	GTAW (TIG) Plate/Pipe	<b>CREDIT HOURS:</b>	3.00

**Welding Technology: Certificate Program - Emphasis in Advanced Techniques**

The student must fully complete the Welding Technology Emphasis in Intermediate Techniques certificate before beginning this program of study.

**Summer**

<u>WLD122</u>	GMAW (MIG) Plate/Pipe	<b>CREDIT HOURS:</b>	3.00
<u>WLD151</u>	Fabrication I	<b>CREDIT HOURS:</b>	4.00
<u>WLD261</u>	Certification Practices	<b>CREDIT HOURS:</b>	2.00

**Fall**

<u>WLD215</u>	SMAW (Stick) Pipe	<b>CREDIT HOURS:</b>	4.00
<u>WLD231</u>	GTAW (Tig) Pipe	<b>CREDIT HOURS:</b>	3.00

**Welding Technology: Certificate Program - Emphasis in Stick Welding****Major Courses**

<u>WLD110</u>	Cutting Processes	<b>CREDIT</b>	2.00
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<a href="#">WLD115</a>	SMAW (Stick) Plate	<b>HOURS:</b>	5.00
<a href="#">WLD116</a>	SMAW (Stick) Plate/Pipe	<b>CREDIT HOURS:</b>	4.00 <sup>6.1.14</sup>
<a href="#">WLD141</a>	Symbols & Specifications	<b>CREDIT HOURS:</b>	3.00
<a href="#">WLD215</a>	SMAW (Stick) Pipe	<b>CREDIT HOURS:</b>	4.00

### Welding Technology: Certificate Program - Emphasis in TIG Welding

#### Major Courses

<a href="#">WLD110</a>	Cutting Processes	<b>CREDIT HOURS:</b>	2.00
<a href="#">WLD131</a>	GTAW (TIG) Plate	<b>CREDIT HOURS:</b>	4.00
<a href="#">WLD132</a>	GTAW (TIG) Plate/Pipe	<b>CREDIT HOURS:</b>	3.00
<a href="#">WLD141</a>	Symbols & Specifications	<b>CREDIT HOURS:</b>	3.00
<a href="#">WLD231</a>	GTAW (Tig) Pipe	<b>CREDIT HOURS:</b>	3.00

### Welding Technology: Certificate Program - Emphasis in MIG Welding

#### Major Courses

<a href="#">WLD110</a>	Cutting Processes	<b>CREDIT HOURS:</b>	2.00
<a href="#">WLD121</a>	GMAW (MIG) FCAW/Plate	<b>CREDIT HOURS:</b>	4.00
<a href="#">WLD122</a>	GMAW (MIG) Plate/Pipe	<b>CREDIT HOURS:</b>	3.00
<a href="#">WLD141</a>	Symbols & Specifications	<b>CREDIT HOURS:</b>	3.00

### Certificate - Welding Technology (High School Career and College Promise)

#### After High School

Hours Needed to Complete Diploma: 24  
Hours Needed to Complete Associate Degree: 50

#### What it's about

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metal industry.

#### What you can get

Upon successful completion of all courses in this CCP pathway, the student will be awarded a Certificate in Welding - Basic Fundamentals from DCCC

#### Minimum Placement Test Scores

Reading & Sentence Skills - 92  
Math Score - 2  
Math Modules - 010

#### High School Freshman Year (Fall)

<a href="#">WLD141</a>	Symbols & Specifications	<b>CREDIT HOURS:</b>	3.00
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#### High School Sophomore Year (Fall)

<a href="#">WLD110</a>	Cutting Processes	<b>CREDIT HOURS:</b>	2.00
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#### High School Sophomore Year (Spring)

<a href="#">WLD121</a>	GMAW (MIG) FCAW/Plate	<b>CREDIT HOURS:</b>	4.00
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#### High School Junior Year (Fall)

<a href="#">WLD131</a>	GTAW (TIG) Plate	<b>CREDIT HOURS:</b>	4.00
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Source URL: <https://www.davidsonccc.edu/catalog/curriculum-programs-and-services/school-business-engineering-technical-studies>

## School of Health, Wellness & Public Safety

### LAST UPDATED:

Jun 1 2014

### ASSOCIATE DEGREE NURSING

The Associate Degree Nursing curriculum provides knowledge, skills, and strategies to integrate safety and quality into nursing care, to practice in a dynamic environment, and to meet individual needs which impact health, quality of life, and achievement of potential.

Course work includes and builds upon the domains of healthcare, nursing practice, and the holistic individual. Content emphasizes the nurse as a member of the interdisciplinary team providing safe, individualized care while employing evidence-based practice, quality improvement, and informatics.

Graduates of the program are eligible to apply to take the National Council Licensure Examination (NCLEX-RN). Employment opportunities are vast within the global health care system and may include positions within acute, chronic, extended, industrial, and community health care facilities.

The Associate Degree Nursing program consists of two options: Traditional ADN and Hybrid LPN to ADN. Upon successful completion of this program, the graduate should possess the knowledge, fundamental skill, and attitudes to:

1. Plan holistic nursing care for individuals across the lifespan experiencing complex alterations in health.
2. Provide safe, culturally competent, therapeutic nursing care to individuals.
3. Safely and ethically manage nursing care within the healthcare system for individuals.

#### Accreditation:

The Associate Degree Nursing program is accredited by the Accreditation Commission for Education in Nursing, Inc., 3343 Peachtree Rd., NE, Suite 850, Atlanta, GA 30326, 404.975.5000 and approved by the North Carolina Board of Nursing.

#### Technical Standards:

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability and professional conduct that are essential for the competent study and practice of registered nursing. These technical standards are published in the application packet for admission to health programs and the Student Handbook.

#### Admission Requirements:

##### Traditional Option

To be eligible for admission to the Traditional ADN option applicants must:

1. Complete the application process as described in the Admission Packet
2. Demonstrate physical and emotional health status compatible with the ability to provide safe nursing care.
3. Complete an approved Nursing Assistant I training course consisting of 70 hours of training, which includes 40 hours of clinical instruction and be listed as a NAI with no substantiated findings prior to first day of the Fall semester.
4. Be currently certified in Healthcare provider CPR prior to the first day of the Fall semester.

##### LPN to ADN Option

Currently licensed LPNs may elect to take courses in the hybrid LPN to ADN Option. Upon successfully completing both courses in this option, students will receive credit for NUR 111, NUR 112, NUR 113, NUR 114 and NUR 211.

The following are Admissions criteria for applicants to the hybrid LPN to ADN option.

1. Have completed all required ADN support courses with a "C" or better.
2. Have completed the application process as described in the admission packet.
3. Have graduated from an approved Practical Nurse Education program.
4. Hold an unrestricted North Carolina or compact state license as an LPN.
5. Have 12 months full-time experience or part-time equivalent to 12 months as an LPN in a medical/surgical unit in an acute care hospital or in a skilled nursing facility within the last four years. There are no exceptions to this requirement.
6. Have achieved an acceptable score on a nursing entrance test. -- Nace Test Information
7. Have physical and emotional health status compatible with the ability to provide safe nursing care.
8. Have signed and submitted Statement for Provision of Clinical Site and Preceptor.
9. Be currently certified in Healthcare Provider CPR prior to the first day of the Fall semester.

#### Probation and Suspension

Nursing students are subject to the same probation and suspension policies as all other students enrolled in the College. Additional criteria apply to nursing students.

Since requirements for progression in the nursing program are in addition to the general requirements of the College, a student suspended from the program is not necessarily suspended from the College. Students who are eligible to do so may continue in their supporting courses and apply for readmission to the nursing program at a later time or may elect to change their major.

### Criminal Background Check

A criminal background check and drug screen testing are required by the clinical site prior to participation in the clinical component.

If any clinical facility refuses to allow the student to participate in clinical experiences in that clinical agency, the student will not be able to progress in the program.

Applicants for initial nursing licensure in North Carolina must complete a criminal background check as well.

### Associate Degree Nursing: Associate in Applied Science Degree Program

#### 1st Fall

<a href="#">BIO165</a>	Anatomy & Physiology I (CAA)	<b>CREDIT HOURS:</b>	4.00
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<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">NUR111</a>	Introduction to Health Concepts	<b>CREDIT HOURS:</b>	8.00
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#### 1st Spring

<a href="#">BIO166</a>	Anatomy & Physiology II (CAA)	<b>CREDIT HOURS:</b>	4.00
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<a href="#">PSY241</a>	Developmental Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">NUR112</a>	Health-Illness Concepts	<b>CREDIT HOURS:</b>	5.00
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<a href="#">NUR211</a>	Health Care Concepts	<b>CREDIT HOURS:</b>	5.00
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#### Summer

<a href="#">NUR212</a>	Health System Concepts	<b>CREDIT HOURS:</b>	5.00
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#### 2nd Fall

<a href="#">NUR113</a>	Family Health Concepts	<b>CREDIT HOURS:</b>	5.00
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<a href="#">NUR114</a>	Holistic Health Concepts	<b>CREDIT HOURS:</b>	5.00
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<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
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#### 2nd Spring

<a href="#">ENG112</a>	Argument-Based Research (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">COM231</a>	Public Speaking (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">NUR213</a>	Complex Health Concepts	<b>CREDIT HOURS:</b>	10.00
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### Associate Degree Nursing - LPN to ADN: Associate in Applied Science Degree Program

All of the following courses must be completed with a grade of "C" or better prior to acceptance into this option.

BIO 165 Anatomy & Physiology I (DRE 098)

BIO 166 Anatomy & Physiology II (BIO 165)

ENG 111 Expository Writing (DRE 098 & CTS 080)

ENG 112 Writing/Research in the Disciplines

PSY 241 Developmental Psychology (PSY 150)

PSY 150 General Psychology (DRE 098)

COM 231 Public Speaking (ENG 111)

\* Upon successful completion of NUR 221 and 223, credit is awarded for NUR 111, 112, 113, 114, and 211.

**Fall**

<a href="#">NUR221</a>	LPN to ADN Concepts I	<b>CREDIT HOURS:</b>	9.00
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**Spring**

<a href="#">NUR223</a>	LPN to ADN Concepts II	<b>CREDIT HOURS:</b>	9.00
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**BASIC LAW ENFORCEMENT TRAINING**

Basic Law Enforcement Training (BLET) is designed to give students essential skills required for entry-level employment as law enforcement officers with state, county, or municipal governments, or with private enterprise.

This program utilizes State-commission-mandated topics and methods of instruction totaling 632 hours. General subjects include, but are not limited to, criminal, juvenile, civil, traffic, and alcoholic beverage laws; investigative, patrol, custody, and court procedures; emergency responses; and ethics and community relations.

Successful graduates receive a curriculum certificate and are qualified to take certification examinations mandated by the North Carolina Criminal Justice Education and Training Standards Commission and/or the North Carolina Sheriffs' Education and Training Standards Commission.

Upon successful completion of this program, the student should be able to:

1. Demonstrate an understanding of criminal, juvenile, civil, traffic, and alcoholic beverage control laws.
2. Demonstrate proficiency in defensive tactics, first responder, law enforcement driving, physical fitness, and firearms techniques.
3. Demonstrate proper criminal investigation and traffic accident investigation procedures.
4. Demonstrate an understanding of effective officer interaction with victims, citizens, and special populations.
5. Demonstrate proper law enforcement patrol techniques.
6. Demonstrate an understanding of accepted custody procedures.
7. Demonstrate an understanding of proper court procedures.

**Technical Standards:**

In addition to DCCC requirements and course objectives, there are technical standards that encompass communication, motor skills, sensory and cognitive ability, and professional conduct that are essential for the competent study and practice of add program name Basic Law Enforcement. These technical standards are available from the academic advisor or the director for BLET

**Admission Requirements:**

The following are admissions criteria for applicants to the Basic Law Enforcement Training (BLET) program. Applicants for admission to the BLET Program must:

1. Have completed and submitted to the Admissions Office a college application for admission.
2. Have completed the College's assessment process and achieved acceptable scores.
3. Have graduated from high school or have an Adult High School Diploma or have passed the GED with an equivalency certificate, which meets the minimum requirements set by the State of North Carolina. Official high school transcript or copy of AHS Diploma/GED Certificate must be on file in the Admissions Office.
4. Meet the minimum standards for employment as established by the N.C. Criminal Justice Education and Training Standards Commission and/or the N.C. Sheriffs' Education and Training Standards Commission which include:
  - a. be a citizen of the United States;
  - b. be at least 20 years of age (must be 20 years of age as of the first day of class or have prior written authorization from the Director of the Criminal Justice Standards Division if less than 20 years old);
  - c. be of good moral character; and
  - d. be examined and certified by a licensed physician or surgeon to meet the physical requirements necessary to perform the functions of a law enforcement officer.
5. Have not ever committed or been convicted of any of the following:
  - a. a felony;
  - b. a crime for which the punishment could have been imprisonment for more than two years;
  - c. a crime or unlawful act for which the punishment could have been imprisonment for more than six months but less than two years and the crime or unlawful act occurred within the last five years;
  - d. four or more crimes or unlawful acts described in "c" above regardless of the date of occurrence; or
  - e. four or more crimes or unlawful acts for which the punishment could have been imprisonment for less than six months.
6. Be sponsored for Basic Law Enforcement Training by a Law Enforcement Agency. **NOTE:** Sponsorship must be retained throughout the BLET program for the student to remain enrolled.
7. Be interviewed by the Director of the BLET Program or the Associate Dean, Health, Wellness & Public Safety, or their designee.
8. Have signed and submitted the Statement of Understanding Concerning Acceptance for Basic Law Enforcement Training.
9. Possess a valid North Carolina driver's license.

**Basic Law Enforcement Training: Certificate Program**

**NOTE:** Special legal requirements exist which may limit the ability of an individual to obtain pre-employment experience, employment, or licensure in this field. Prospective students should obtain additional information from a College counselor or program faculty member prior to seeking admission.



Students enrolled in Basic Law Enforcement Training must agree and adhere to supplemental Student Code of Conduct specific to the program. Students who successfully complete Basic Law Enforcement Training will receive 19 semester hours of credit toward the Associate in Applied Science degree in Criminal Justice. Students will receive credit for the following courses: 6.1.14

## Major Courses

<a href="#">CJC100</a>	Basic Law Enforcement Training		
<a href="#">CJC121</a>	Law Enforcement Operations (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC131</a>	Criminal Law	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC132</a>	Court Procedure & Evidence	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC221</a>	Investigative Principles	<b>CREDIT HOURS:</b>	4.00
<a href="#">CJC231</a>	Constitutional Law	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC232</a>	Civil Liability	<b>CREDIT HOURS:</b>	3.00

## CANCER INFORMATION MANAGEMENT

The Cancer Information Management curriculum is designed to provide individuals with the knowledge and skills necessary to maintain a cancer data collection system that is consistent with medical, administrative, ethical, legal, and accreditation requirements.

Students will analyze health records according to standards set by various agencies, compile, maintain, monitor, and report cancer data for research, quality management, facility planning and marketing, abstract and code clinical data, and obtain survival data through yearly follow-up

Graduates may be eligible to take the national certifying examination given by the National Cancer Registrars Association to become a Certified Tumor Registrar (CTR). Employment opportunities include health care facilities, data organizations, and government agencies.

Upon successful completion of this program, the student should be able to:

1. Display professionalism by projecting a positive attitude, working as a team member, showing initiative and responsibility, and displaying sensitivity to cultural diversity.
2. Compile, maintain, monitor, and report cancer data for research, quality management, facility planning, and marketing.
3. Integrate legal and ethical principles into job responsibilities.
4. Demonstrate the academic knowledge and technical skills for the entry-level cancer registrar.
5. Perform statistical analysis related to descriptive and analytic epidemiology and cancer surveillance.
6. Use current technologies to access and process information.
7. Demonstrate effective written and oral communication skills with consumers and coworkers.

### Accreditation:

The Cancer Information Management education program in Cancer Registry Management at Davidson County Community College is accredited by the National Cancer Registrars Association, 1340 Braddock Place, Suite 203, Alexandria, VA 22314.

### Technical Standards:

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability and professional conduct that are essential for the competent study and practice of cancer information management. These technical standards are published in the application for admission to health programs and the student handbook.

### Admission Requirements:

Students must be admitted to the Cancer Information Management program before enrolling in courses with a CIM prefix. Qualified applicants are admitted to the program based on the date of completion of admission requirements until the program is filled.

Applicants for admission to the Cancer Information Technology program must:

1. Complete the requirements for admission as described in the Cancer Information Management & Histotechnology Packet.

### Progression Requirements

A student must meet all prerequisite and corequisite CIM course requirements with a grade of "C" or better in order to progress in the program.

### Criminal Background Check

A criminal background check and drug screen testing are required by the clinical site prior to participation in the clinical component.

If any clinical facility refuses to allow the student to participate in clinical experiences in that clinical agency, the student will not be able to progress in the program.

## Cancer Information Management: Associate in Applied Science Degree Program

NOTE: Special legal requirements exist which may limit the ability of an individual to obtain clinical experience, employment, or certification in the Cancer Information Management field. Prospective students should obtain additional information from a College counselor or program faculty member prior to seeking admission.

6.1.14

### 1st Fall

<a href="#">BIO165</a>	Anatomy & Physiology I (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">MED121</a>	Medical Terminology I	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIT110</a>	Fundamentals of HIM	<b>CREDIT HOURS:</b>	3.00

### 1st Spring

<a href="#">BIO166</a>	Anatomy & Physiology II (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">MED122</a>	Medical Terminology II	<b>CREDIT HOURS:</b>	3.00
<a href="#">COM120</a>	Interpersonal Communication (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS111</a>	Basic PC Literacy	<b>CREDIT HOURS:</b>	2.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00

### 1st Summer

<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">BIO271</a>	Pathophysiology (CAA)	<b>CREDIT HOURS:</b>	3.00

### 2nd Fall

<a href="#">CIM110</a>	Registry Organization & Management	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIM125</a>	Cancer Disease Management	<b>CREDIT HOURS:</b>	4.00
<a href="#">CIM250</a>	Cancer Statistics & Epidemiology	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIM211</a>	Abstracting Principles & Practice I	<b>CREDIT HOURS:</b>	3.00
<a href="#">HIT226</a>	Principles of Disease	<b>CREDIT HOURS:</b>	3.00

### 2nd Spring

<a href="#">CIM212</a>	Abstracting Principles & Practice II	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIM225</a>	Cancer Patient Follow-Up	<b>CREDIT HOURS:</b>	2.00
<a href="#">CIM150</a>	Oncology Coding & Staging Systems	<b>CREDIT HOURS:</b>	4.00
<a href="#">CIM275</a>	Professional Directed Practice	<b>CREDIT HOURS:</b>	4.00
<a href="#">HIT218</a>	Management Principles in HIT	<b>CREDIT HOURS:</b>	3.00

## CENTRAL STERILE PROCESSING

The Central Sterile Processing curriculum is designed to prepare individuals for the field of Sterile Processing and Central Service Supply.

Students will develop skills necessary to properly disinfect, prepare process, store, and issue both sterile and nonsterile supplies and equipment for patient care. Also, students will learn to operate sterilizing units and monitor effectiveness of the sterilization process.

Graduates will receive a certificate and may be eligible to apply to take the National Institute for Certification of Healthcare Sterile Processing and Distribution Personnel Examination (CBSPD). Employment opportunities include surgery centers, dialysis facilities, and central processing units in hospitals.

### **Competencies:**

Upon successful completion of this program, the student should be able to:

1. Demonstrate effective written and oral communication skills with coworkers in the role of a sterile processing technician.
2. Use critical thinking to recognize, analyze, and solve problems related to sterile processing.
3. Demonstrate competency in the knowledge and skills required for entry-level sterile processing technician.
4. Display professionalism by projecting a positive attitude, working as a team member, showing initiative and responsibility, and displaying sensitivity to cultural diversity.

### Technical Standards:

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability and professional conduct that are essential for the competent study and practice of a sterile processing technician. These technical standards are published in the application for admission to health programs and the Student Handbook.

### Admission Requirements:

Applicants for admission to the Central Sterile Processing program must:

1. Complete a DCCC Application for Admission for those not currently enrolled at DCCC.
2. Submit a High school transcript OR GED score report (High school seniors should submit a current transcript by the deadline).
3. Submit an OFFICIAL college transcripts from colleges attended. All transcripts are not required, only those in which you plan to transfer credit must be submitted. College transcripts must arrive in original sealed envelopes. Faxed, copied, and on -line transcripts are not acceptable
4. Placement scores meeting Allied Health placement requirements (or approved equivalent) in the areas of computer skills, sentence skills, reading comprehension, arithmetic and algebra
5. Allied Health Intent Form submitted to admissions.
6. Eligibility Review – After completing the requirements above, you are responsible for scheduling an Eligibility Review appointment with your Enrollment Advisor.

**NOTE: Meeting all admission requirements does not guarantee placement into an allied health program.**

### Transfer Credit for Central Sterile Processing Courses

The decision regarding transfer credit for Central Sterile Processing courses is made by the Director of the program in consultation with members of the faculty and the Associate Dean. Syllabi for courses for which credit is requested will be required.

### Progression Requirements

A student must meet all prerequisite and corequisite CSP course requirements with a grade of “C” or better in order to progress in the program.

### Criminal Background Check

A criminal background check and drug screen testing are required by the clinical site prior to participation in the clinical component.

If any clinical facility refuses to allow the student to participate in clinical experiences in the clinical agency, the student will not be able to progress in the program.

### Central Sterile Processing: Certificate

#### First Semester

<a href="#">STP101</a>	Intro Sterile Processing	<b>CREDIT HOURS:</b>	8.00
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#### Choose one bio class from below for 1st semester

<a href="#">BIO161</a>	Intro to Human Biology	<b>CREDIT HOURS:</b>	3.00
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<a href="#">BIO163</a>	Basic Anatomy & Physiology (CAA)	<b>CREDIT HOURS:</b>	5.00
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#### Second Semester

<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">STP102</a>	STP Clinical Practice	<b>CREDIT HOURS:</b>	3.00
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<a href="#">STP103</a>	Prof Success Prep	<b>CREDIT HOURS:</b>	1.00
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### COSMETOLOGY

The Cosmetology curriculum is designed to provide competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment, which enables students to develop manipulative

skills.

Course work includes instruction in all phases of professional imaging, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge, and other selected topics. 6.1.14

Graduates should qualify to sit for the State Board of Cosmetic Arts examination. Upon successfully passing the State Board exam, graduates will be issued a license. Employment is available in beauty salons and as skin/nail specialists, platform artists, and related businesses.

Upon successful completion of this program, the student should be able to:

1. Demonstrate proficiency in skill sets in cosmetology.
2. Utilize math concepts when identifying and applying color.
3. Demonstrate proficiency in hair color techniques.
4. Apply critical thinking skills and basic cosmetology principles to recognize, analyze and solve problems.
5. Demonstrate dependability and responsibility while managing self effectively.

**Technical Standards:**

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability, and professional conduct that are essential for the competent study and practice of Cosmetic Arts. These technical standards are published in the Cosmetic Arts Program Information Packet, Student Handbook.

**Admission Requirements:**

The following are admissions criteria for applicants to the Cosmetology program, including Esthetics Technology and Manicuring/Nail Technology.

Applicants for admission to the Cosmetology program must have:

1. Completed the College’s assessment process and achieved acceptable scores.

In accordance with the North Carolina State Board of Cosmetic Arts, please submit an original social security card, tax ID card, or student visa information; in addition, please submit a government issued ID and proof of date of birth to your advisor prior to the first day of class. You will not be able to start Cosmetology class until you complete this requirement.

**Projected Costs for Cosmetology**

- Student costs include tuition, fees, and textbooks, plus an implement kit and required uniform.
- These costs may be covered for students who qualify for financial assistance, and college financial aid staff will assist the student in applying for financial aid. Financial aid does not pay for summer semester. \*Financial aid for cosmetology is unique based on the credit hour classification. The semester a student begins and the specific courses taken will determine when students are eligible for financial aid refunds.
- It is important to apply for admission to the College and financial aid as early as possible.
- All projected costs are estimates, may vary from term to term, and are subject to change without prior notice

**Examples of Costs**

In-State Tuition:	\$1,100 - \$1,500
1st semester textbooks:	\$420
Advanced textbooks/color kits:	\$310 (not needed during first term)
Implement Kit:	\$850
Required uniform:	\$50 - \$60
Required nametag:	1st free (\$10 to replace)

Reminder: All costs are estimates and subject to change without prior notice

**Application/Licensure/Individuals Who Have Been Convicted of Felony**

Any applicant convicted of a felony or charged with a felony that is still pending may apply for Board approval upon enrollment in a cosmetic art school. All documentation submitted shall have no effect on an individual’s ability to attend a cosmetic art school, take an examination administered by the Board, or apply for a license; is not binding on the Board with respect to any future application from the individual reviewed; and is not a final agency decision.

**Cosmetology: Diploma (Fall Start)**

**1st Fall**

<u>COS111</u>	Cosmetology Concepts I	<b>CREDIT HOURS:</b>	4.00
<u>COS112</u>	Salon I	<b>CREDIT HOURS:</b>	8.00
<u>ENG102</u>	Applied Communications II	<b>CREDIT HOURS:</b>	3.00

**1st Spring**

<a href="#">COS113</a>	Cosmetology Concepts II	<b>CREDIT HOURS:</b>	4.00
<a href="#">COS114</a>	Salon II	<b>CREDIT HOURS:</b>	8.00 6.1.14
<a href="#">PSY118</a>	Interpersonal Psychology	<b>CREDIT HOURS:</b>	3.00
<b>Summer</b>			
<a href="#">COS115</a>	Cosmetology Concepts III	<b>CREDIT HOURS:</b>	4.00
<a href="#">COS116</a>	Salon III	<b>CREDIT HOURS:</b>	6.00
<b>2nd Fall</b>			
<a href="#">COS117</a>	Cosmetology Concepts IV	<b>CREDIT HOURS:</b>	2.00
<a href="#">COS118</a>	Salon IV	<b>CREDIT HOURS:</b>	7.00
<a href="#">COS223</a>	Contemporary Hair Coloring	<b>CREDIT HOURS:</b>	2.00
<a href="#">COS250</a>	Computerized Salon Operations	<b>CREDIT HOURS:</b>	1.00

### Cosmetology: Diploma (Spring Start)

#### **1st Spring**

<a href="#">COS111</a>	Cosmetology Concepts I	<b>CREDIT HOURS:</b>	4.00
<a href="#">COS112</a>	Salon I	<b>CREDIT HOURS:</b>	8.00
<a href="#">ENG102</a>	Applied Communications II	<b>CREDIT HOURS:</b>	3.00

#### **Summer**

<a href="#">COS115</a>	Cosmetology Concepts III	<b>CREDIT HOURS:</b>	4.00
<a href="#">COS116</a>	Salon III	<b>CREDIT HOURS:</b>	6.00

#### **1st Fall**

<a href="#">COS113</a>	Cosmetology Concepts II	<b>CREDIT HOURS:</b>	4.00
<a href="#">COS114</a>	Salon II	<b>CREDIT HOURS:</b>	8.00
<a href="#">PSY118</a>	Interpersonal Psychology	<b>CREDIT HOURS:</b>	3.00

#### **2nd Spring**

<a href="#">COS117</a>	Cosmetology Concepts IV	<b>CREDIT HOURS:</b>	2.00
<a href="#">COS118</a>	Salon IV	<b>CREDIT HOURS:</b>	7.00
<a href="#">COS223</a>	Contemporary Hair Coloring	<b>CREDIT HOURS:</b>	2.00
<a href="#">COS250</a>	Computerized Salon Operations	<b>CREDIT HOURS:</b>	1.00

## COSMETOLOGY - ESTHETICS TECHNOLOGY

The Esthetics Technology curriculum provides competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the art of skin care. The curriculum provides a simulated salon environment, which enables students to develop manipulative skills.

The daytime Esthetics program accepts new students every Fall. The evening Esthetics program accepts new students in odd calendar years in the Fall.

Course work includes instruction in all phases of professional Esthetics Technology, business/human relations, product knowledge, and other related topics.

An essential element in the success of the College's Esthetics program is the opportunity for students to complete their clinical practice in a simulated salon that serves as a learning laboratory. Through supervised hands-on interactions with clients, students practice and demonstrate mastery of competencies needed for successful employment in the field. Former students have rated this real-life experience as critical in the mastery of professional skills and clinical procedures as well as awareness about the role of the Esthetician in the work environment.

Graduates should be prepared to take the North Carolina Cosmetology State Board Licensing Exam and upon passing be licensed and qualify for employment in beauty and cosmetic/skin care salons, as a platform artist, and in related businesses.

Upon successful completion of this program, the student should be able to:

1. Demonstrate proficiency in Esthetic treatment skill sets.
2. Access and use a variety of resources to remain current in the field of Esthetics.
3. Integrate objective and subjective data to create individual treatment plans for clients in a spa setting.

6.1.14

### Technical Standards:

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability, and professional conduct that are essential for the competent study and practice of Esthetics Technology. These technical standards are published in the Cosmetic Arts Program Information Packet, Student Handbook, and/or are available from program faculty.

### Admission Requirements:

In accordance with the North Carolina State Board of Cosmetic Arts, please submit an original social security card, tax ID card, or student visa information; in addition, please submit a government issued ID and proof of date of birth to your advisor prior to the first day of class. You will not be able to start Esthetics class until you complete this requirement.

### Projected Costs

Tuition & fees, approximate	\$650/per semester
Book bundle	\$343 1st semester
Jane Iredale makeup kit	\$420 1st semester
Implement Kit:	\$107 1st semester
Required uniform:	\$47 - \$60/eash 1st semester
Required nametag:	1st free (\$10 to replace)

Reminder: All costs are estimates and subject to change without prior notice

## Cosmetology - Esthetics Technology: Certificate Program

### 1st Fall

<a href="#">COS119</a>	Esthetics Concepts I	<b>CREDIT HOURS:</b>	2.00
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<a href="#">COS120</a>	Esthetics Salon I	<b>CREDIT HOURS:</b>	6.00
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### 1st Spring

<a href="#">COS125</a>	Esthetics Concepts II	<b>CREDIT HOURS:</b>	2.00
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<a href="#">COS126</a>	Esthetics Salon II	<b>CREDIT HOURS:</b>	6.00
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## Certificate - Esthetics (High School Career and College Promise)

### What it's about

The Esthetics Technology curriculum provides competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the art of skin care. The curriculum provides a simulated salon environment, which enables students to develop manipulative skills.

### What you can get

Upon successful completion of all courses in this CCP pathway, the student will be awarded a Certificate in Esthetics from DCCC. After completing the program, the student will be eligible to take the NC State Board of Cosmetology Licensing Exams for licensure as an Esthetician.

### Program Specific Details

Tuition and Fees FREE  
 Textbooks \$350.00  
 Implement Kit \$107.00  
 Jane Iredale Makeup Kit \$420.00  
 Uniforms \$60

ESTIMATED TOTAL COST (Student Responsible) \$937.00

\*Costs subject to change.

### Minimum Placement Test Scores

Reading & Sentence Skills - 129  
 Math Score - 7  
 Math Modules - 010-030

### After High School

**High School Senior Year (Fall)**

6.1.14

<a href="#">COS119</a>	Esthetics Concepts I	<b>CREDIT HOURS:</b>	2.00
<a href="#">COS120</a>	Esthetics Salon I	<b>CREDIT HOURS:</b>	6.00

**High School Senior Year (Spring)**

<a href="#">COS125</a>	Esthetics Concepts II	<b>CREDIT HOURS:</b>	2.00
<a href="#">COS126</a>	Esthetics Salon II	<b>CREDIT HOURS:</b>	6.00

**CRIMINAL JUSTICE TECHNOLOGY**

The Criminal Justice Technology curriculum is designed to provide knowledge of criminal justice systems and operations. Study will focus on local, state, and federal law enforcement, judicial processes, corrections, and security services. The criminal justice system's role within society will be explored.

Emphasis is on criminal justice systems, criminology, juvenile justice, criminal and constitutional law, investigative principles, ethics, and community relations. Additional study may include issues and concepts of government, communications, computers, and technology.

Employment opportunities exist in a variety of local, state, and federal law enforcement, corrections, and security fields. Examples include police officer, deputy sheriff, county detention officer, state trooper, intensive probation/parole surveillance officer, correctional officer, loss prevention specialist, wildlife officer, and alcohol enforcement officer.

Upon successful completion of this program, the student should be able to:

1. Use critical thinking to identify the fundamental building blocks and rules of investigation. Identify the elements of crimes, apply constitutional principles, and avoid civil liability.
2. Communicate effectively through listening, speaking, and writing in courtroom testimony, documentation, and interaction with team members and the public.
3. Identify terms, positions, roles, equipment, and techniques to work effectively and efficiently in teams.

**Technical Standards:**

In addition to DCCC requirements and course objectives, there are technical standards that encompass communication, motor skills, sensory and cognitive ability, and professional conduct that are essential for the competent study and practice of add program name Criminal Justice. These technical standards are available from the academic advisor or program faculty.

**Criminal Justice Technology: Associate in Applied Science Degree Program**

NOTE: Special legal requirements exist which may limit the ability of an individual to obtain pre-employment experience, employment, or licensure in this field. Prospective students should obtain additional information from a College counselor or program faculty member prior to seeking admission.

**1st Fall**

<a href="#">CJC111</a>	Introduction to Criminal Justice (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC121</a>	Law Enforcement Operations (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC131</a>	Criminal Law	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS111</a>	Basic PC Literacy	<b>CREDIT HOURS:</b>	2.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC113</a>	Juvenile Justice	<b>CREDIT HOURS:</b>	3.00

**1st Spring**

<a href="#">CJC112</a>	Criminology	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC132</a>	Court Procedure & Evidence	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC141</a>	Corrections (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC160</a>	Terrorism: Underlying Issues	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC212</a>	Ethics & Community Relations	<b>CREDIT HOURS:</b>	3.00

**1st Summer**

<a href="#">COM120</a>	Interpersonal Communication (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG114</a>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00 6.1.14
<b>2nd Fall</b>			
<a href="#">CJC221</a>	Investigative Principles	<b>CREDIT HOURS:</b>	4.00
<a href="#">CJC231</a>	Constitutional Law	<b>CREDIT HOURS:</b>	3.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>2nd Spring</b>			
<a href="#">CJC232</a>	Civil Liability	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC214</a>	Victimology	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC222</a>	Criminalistics	<b>CREDIT HOURS:</b>	3.00
<b>Choose one course from below for 2nd Spring</b>			
<a href="#">CJC215</a>	Organization & Administration	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC223</a>	Organized Crime	<b>CREDIT HOURS:</b>	3.00

### **Criminal Justice Technology: Certificate Program - Emphasis in Corrections**

#### **Fall**

<a href="#">CJC111</a>	Introduction to Criminal Justice (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC131</a>	Criminal Law	<b>CREDIT HOURS:</b>	3.00

#### **Spring**

<a href="#">CJC132</a>	Court Procedure & Evidence	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC141</a>	Corrections (CAA)	<b>CREDIT HOURS:</b>	3.00

### **Criminal Justice Technology: Certificate Program - Emphasis in Investigative Principles**

#### **Fall**

<a href="#">CJC121</a>	Law Enforcement Operations (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC131</a>	Criminal Law	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC221</a>	Investigative Principles	<b>CREDIT HOURS:</b>	4.00

#### **Spring**

<a href="#">CJC132</a>	Court Procedure & Evidence	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC222</a>	Criminalistics	<b>CREDIT HOURS:</b>	3.00

### **Certificate - Criminal Justice Technology (High School Career and College Promise)**

#### **After High School**

Hours Needed to Complete Diploma: not available  
Hours Needed to Complete Associate Degree: 47

#### **What it's about**

The Criminal Justice Technology curriculum is designed to provide knowledge of criminal justice systems and operations. Study will focus on local, state, and federal law enforcement, judicial processes, corrections, and security services. The criminal justice system's role within society will be explored.

#### **What you can get**



## Minimum Placement Test Scores

6.1.14

Reading & Sentence Skills -165

Math Score - 7

Math Modules - 010-030

### High School Junior Year (Fall)

<a href="#">CJC111</a>	Introduction to Criminal Justice (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">CJC113</a>	Juvenile Justice	<b>CREDIT HOURS:</b>	3.00
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### High School Junior Year (Spring)

<a href="#">CJC141</a>	Corrections (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">CJC112</a>	Criminology	<b>CREDIT HOURS:</b>	3.00
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### High School Senior Year (Fall)

<a href="#">CJC131</a>	Criminal Law	<b>CREDIT HOURS:</b>	3.00
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### High School Senior Year (Spring)

<a href="#">CJC132</a>	Court Procedure & Evidence	<b>CREDIT HOURS:</b>	3.00
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## EMERGENCY MEDICAL SCIENCE

The Emergency Medical Science curriculum is designed to prepare graduates to enter the workforce as paramedics. Additionally, the program can provide an Associate degree for individuals desiring an opportunity for career enhancement.

The course of study provides the student an opportunity to acquire basic and advanced life support knowledge and skills by utilizing classroom instruction, practical laboratory sessions, hospital clinical experience, and field internships with emergency medical service agencies.

Students progressing through the program may be eligible to apply for both state and national certification exams. Employment opportunities include ambulance services, fire and rescue agencies, air medical services, specialty areas of hospitals, industry, educational institutions, and government agencies.

The Emergency Medical Science student should:

1. Perform rapid systematic patient assessment to patients of any age and diverse cultural backgrounds to determine and implement safe, ethical, legal, and appropriate care, utilizing basic and sophisticated medical devices, and the therapeutic pharmacology at entry-level competence.
2. During lab simulations, clinical and field internship experiences safely utilize situational appropriate personal protective equipment (PPE) in accordance with current infection control policies at entry-level competence.
3. Demonstrate professional and effective use of verbal, non-verbal and written communications techniques at entry-level competence.
4. Outside of classroom assignments, seek out opportunities for personal and professional growth.
5. Through lab simulations and actual driving evolutions build a foundation for the safe operation of emergency vehicles in routine and emergency situations.
6. Perform as a competent entry-level Emergency Medical Technician-Paramedic in the cognitive (knowledge), psychomotor (skills) and affective (behavior) learning domains.

### Technical Standards:

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability, and professional conduct that are essential for the competent study and practice of Emergency Medical Science. These technical standards are published in the Student Handbook.

### Admission Requirements:

#### Policies Regarding EMS Admission with Advanced Standing

The general admission requirements of the College and of the EMS program apply to persons seeking admission into the EMS program with advanced standing. Those applying for advanced standing must have previously completed an Emergency Medical Technician-Basic, EMT-Intermediate, or EMT-Paramedic educational program and hold National Registry registration, or a credential from the North Carolina Medical Care Commission. Credit may be granted for the following courses, dependent on the level and combination of credentials:

EMS 110, EMS 150, EMS 121, EMS 130, EMS 131, EMS 220, EMS 221, EMS 231, EMS 240, EMS 241, EMS 250, EMS 260, EMS 270, EMS 285.

Students will be awarded a grade of "T" and credit hours for the courses are awarded. No quality points are awarded and the grade is not included in the grade point average.

### Transfer Credit for EMS Courses

The decision regarding transfer credit for EMS courses is made by the Associate Dean, Health, Wellness, and Public Safety, in consultation with members of the Emergency Medical Science faculty.

Paramedics satisfying the requirements for Advanced Standing will be admitted to the EMS Bridging program. Students admitted to the the EMS Bridging program must complete at least 18 hours of the required courses in the EMS program at Davidson County Community College.

6.1.14

### Challenge Examinations for EMS Courses

State credentialed EMTs, EMT-Intermediates, or Paramedics who do not hold National Registry registration or a North Carolina credential may challenge EMS courses appropriate for their certification level. Specific information regarding challenge examinations for these courses will be provided to applicants upon request. (Refer to general requirements for more information about requesting Credit by Examination.)

### Progression Requirements

A student must meet all prerequisite and corequisite EMS course requirements with a grade of "C" or better in order to progress in the program.

### Probation and Suspension

EMS students are subject to the same probation and suspension policies as all other students enrolled in the College. Additional criteria for EMS apply.

Since requirements for progression in the EMS program are in addition to the general requirements of the College, a student suspended from the program is not necessarily suspended from the College.

### Criminal Background Check

A criminal background check and drug screen testing are required by the clinical site prior to participation in the clinical component.

If any clinical facility refuses to allow the student to participate in clinical experiences in that clinical agency, the student will not be able to progress in the program.

### Emergency Medical Science: Associate in Applied Science Degree Program

NOTE: Special legal requirements exist which may limit the ability of an individual to obtain clinical experience, employment, or certification in this field. Prospective students should obtain additional information from a College counselor or program faculty member prior to seeking admission.

#### 1st Fall

<a href="#">BIO163</a>	Basic Anatomy & Physiology (CAA)	<b>CREDIT HOURS:</b>	5.00
<a href="#">EMS150</a>	Emergency Vehicles & EMS Communication	<b>CREDIT HOURS:</b>	2.00
<a href="#">ACA090</a>	Student Success Strategies	<b>CREDIT HOURS:</b>	3.00
<a href="#">MED120</a>	Survey of Medical Terminology	<b>CREDIT HOURS:</b>	2.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">EMS140</a>	Rescue Scene Management	<b>CREDIT HOURS:</b>	2.00

#### 1st Spring

<a href="#">EMS110</a>	EMT - Basic	<b>CREDIT HOURS:</b>	8.00
<a href="#">EMS122</a>	EMS Clinical Practicum I	<b>CREDIT HOURS:</b>	1.00
<a href="#">EMS130</a>	Pharmacology	<b>CREDIT HOURS:</b>	4.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00

#### Summer

<a href="#">EMS131</a>	Advanced Airway Management	<b>CREDIT HOURS:</b>	2.00
<a href="#">EMS221</a>	EMS Clinical Practicum II	<b>CREDIT HOURS:</b>	2.00
<a href="#">EMS160</a>	Cardiology I	<b>CREDIT HOURS:</b>	2.00
<a href="#">EMS240</a>	Patients W/ Special Challenges	<b>CREDIT HOURS:</b>	2.00

#### 2nd Fall

<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">EMS231</a>	EMS Clinical Practicum III	<b>CREDIT HOURS:</b>	3.00
<a href="#">EMS220</a>	Cardiology II	<b>CREDIT HOURS:</b>	3.00
<a href="#">EMS260</a>	Trauma Emergencies	<b>CREDIT HOURS:</b>	2.00

<a href="#">PSY150</a>	General Psychology (CAA)	<b>HOURS:</b>	3.00
		<b>CREDIT HOURS:</b>	6.1.14
<b>2nd Spring</b>			
<a href="#">EMS241</a>	EMS Clinical Practicum IV	<b>CREDIT HOURS:</b>	4.00
<a href="#">EMS250</a>	Medical Emergencies	<b>CREDIT HOURS:</b>	4.00
<a href="#">EMS270</a>	Life Span Emergencies	<b>CREDIT HOURS:</b>	3.00
<a href="#">EMS285</a>	EMS Capstone	<b>CREDIT HOURS:</b>	2.00
<a href="#">ENG114</a>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00

## **Emergency Medical Science: Associate in Applied Science Degree Program (Bridging Option)**

### **Bridging Option for Currently Credentialed EMT-Paramedics**

Degree requires 66 semester hours. Through the bridging program, currently credentialed EMT-Paramedics receive 42 semester hours of advanced placement. The remaining course work to complete the A.A.S. in Emergency Medical Science requires 24 additional semester hours of work outlined above. Students must take 17 hours from the required courses to meet the residency requirements of DCCC, or challenge exams in EMS prefix courses for residency hour requirements. Students may transfer in up to 10 semester hours required for the degree.

<a href="#">EMS140</a>	Rescue Scene Management	<b>CREDIT HOURS:</b>	2.00
<a href="#">EMS235</a>	EMS Management	<b>CREDIT HOURS:</b>	2.00
<a href="#">EMS280</a>	EMS Bridging Course	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG114</a>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">BIO163</a>	Basic Anatomy & Physiology (CAA)	<b>CREDIT HOURS:</b>	5.00
<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00

## **Emergency Medical Science: Certificate Program - EMT**

### **Major Courses**

<a href="#">EMS110</a>	EMT - Basic	<b>CREDIT HOURS:</b>	8.00
<a href="#">BIO163</a>	Basic Anatomy & Physiology (CAA)	<b>CREDIT HOURS:</b>	5.00
<a href="#">EMS140</a>	Rescue Scene Management	<b>CREDIT HOURS:</b>	2.00
<a href="#">EMS150</a>	Emergency Vehicles & EMS Communication	<b>CREDIT HOURS:</b>	2.00

## **FIRE PROTECTION TECHNOLOGY**

The Fire Protection Technology curriculum is designed to provide individuals with technical and professional knowledge to make decisions regarding fire protection for both public and private sectors. It also provides a sound foundation for continuous higher learning in fire protection, administration, and management.

Course work includes classroom and laboratory exercises to introduce the student to various aspects of fire protection. Students will learn technical and administrative skills such as hydraulics, hazardous materials, arson investigation, fire protection safety, fire suppression management, law, and codes.

Graduates should qualify for employment or advancement in government agencies, industrial firms, insurance rating organizations, educational organizations, and municipal fire departments. Employed persons should have opportunities for skilled and supervisory-level positions within their current organizations.

Upon successful completion of this program, the student should be able to:

1. Demonstrate effective, professional written and oral communication skills with individuals in a variety of fire service settings.
2. Use and apply critical thinking skills and basic fire protection supervision and management principles to recognize, analyze and solve problems.

3. Demonstrate the technical skills necessary to function in operations, command, supervision and management.
4. Assess and utilize internal and external resources to manage an emergency scene effectively.

**Technical Standards:**

6.1.14

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability and professional conduct that are essential for the competent study and practice of fire protection. These technical standards are published in the Student Handbook and/or are available from program faculty.

**Fire Protection Technology: Associate in Applied Science Degree Program**

Complete all four certificates on Fire Protection Program page as well as the General Education Core classes listed below.

<u>CIS110</u>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00
<u>COM120</u>	Interpersonal Communication (CAA)	<b>CREDIT HOURS:</b>	3.00
<u>ENG111</u>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<u>MAT110</u>	Math Measurement & Literacy	<b>CREDIT HOURS:</b>	3.00
<u>PSY150</u>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00

**Fire Protection Technology: Certificate Program - Emphasis in Management**

<u>FIP120</u>	Introduction to Fire Protection	<b>CREDIT HOURS:</b>	3.00
<u>FIP136</u>	Inspections & Codes	<b>CREDIT HOURS:</b>	3.00
<u>FIP220</u>	Fire Fighting Strategies	<b>CREDIT HOURS:</b>	3.00
<u>FIP128</u>	Detection & Investigation	<b>CREDIT HOURS:</b>	3.00
<u>FIP276</u>	Managing Fire Services	<b>CREDIT HOURS:</b>	3.00
<u>FIP228</u>	Local Govt Finance	<b>CREDIT HOURS:</b>	3.00

**Fire Protection Technology: Certificate Program - Emphasis in Operations**

<u>FIP120</u>	Introduction to Fire Protection	<b>CREDIT HOURS:</b>	3.00
<u>FIP230</u>	Chemistry of Hazardous Materials I	<b>CREDIT HOURS:</b>	5.00
<u>FIP232</u>	Hydraulics & Water Distribution	<b>CREDIT HOURS:</b>	3.00
<u>FIP132</u>	Building Construction	<b>CREDIT HOURS:</b>	3.00
<u>FIP146</u>	Fire Protection Systems	<b>CREDIT HOURS:</b>	4.00

**Fire Protection Technology: Certificate Program - Emphasis in Supervision**

<u>FIP124</u>	Fire Protection & Public Education	<b>CREDIT HOURS:</b>	3.00
<u>FIP240</u>	Fire Service Supervision	<b>CREDIT HOURS:</b>	3.00
<u>FIP152</u>	Fire Protection Law	<b>CREDIT HOURS:</b>	3.00
<u>FIP164</u>	OSHA Standards	<b>CREDIT HOURS:</b>	3.00
<u>FIP128</u>	Detection & Investigation	<b>CREDIT HOURS:</b>	3.00
<u>FIP120</u>	Introduction to Fire Protection	<b>CREDIT HOURS:</b>	3.00

**Fire Protection Technology: Certificate Program - Emphasis in Command**

<u>FIP120</u>	Introduction to Fire Protection	<b>CREDIT HOURS:</b>	3.00
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<u>FIP132</u>	Building Construction	<b>CREDIT HOURS:</b>	3.00
<u>FIP152</u>	Fire Protection Law	<b>CREDIT HOURS:</b>	3.00 6.1.14
<u>FIP220</u>	Fire Fighting Strategies	<b>CREDIT HOURS:</b>	3.00
<u>FIP221</u>	Advanced Fire Fighting Strategies	<b>CREDIT HOURS:</b>	3.00
<u>FIP228</u>	Local Govt Finance	<b>CREDIT HOURS:</b>	3.00

### **Fire Protection Technology: Certificate Program - Emphasis in Core**

<u>FIP120</u>	Introduction to Fire Protection	<b>CREDIT HOURS:</b>	3.00
<u>FIP124</u>	Fire Protection & Public Education	<b>CREDIT HOURS:</b>	3.00
<u>FIP132</u>	Building Construction	<b>CREDIT HOURS:</b>	3.00
<u>FIP152</u>	Fire Protection Law	<b>CREDIT HOURS:</b>	3.00
<u>FIP220</u>	Fire Fighting Strategies	<b>CREDIT HOURS:</b>	3.00
<u>FIP228</u>	Local Govt Finance	<b>CREDIT HOURS:</b>	3.00

### **Fire Protection Technology (High School Career and College Promise)**

#### **After High School**

Hours Needed to Complete Diploma: n/a  
Hours Needed to Complete Associate Degree: 50

#### **What it's about**

The Fire Protection Technology curriculum is designed to provide individuals with technical and professional knowledge to make decisions regarding fire protection for both public and private sectors. It also provides a sound foundation for continuous higher learning in fire protection, administration, and management.

#### **What you can get**

Upon successful completion of all courses in this pathway, the student will be awarded a Fire Core Certificate from DCCC. Students can complete additional certificates to earn an Associate's Degree in Fire Protection Technology after graduating from High School.

#### **Minimum Placement Test Scores**

Reading & Sentence Skills - 165  
Math Score - 7  
Math Modules - 010-030

#### **High School Senior Year (Fall)**

<u>FIP120</u>	Introduction to Fire Protection	<b>CREDIT HOURS:</b>	3.00
<u>FIP124</u>	Fire Protection & Public Education	<b>CREDIT HOURS:</b>	3.00

#### **High School Senior Year (Spring)**

<u>FIP132</u>	Building Construction	<b>CREDIT HOURS:</b>	3.00
<u>FIP152</u>	Fire Protection Law	<b>CREDIT HOURS:</b>	3.00

#### **After High School (Complete Fire Core Certificate)**

<u>FIP220</u>	Fire Fighting Strategies	<b>CREDIT HOURS:</b>	3.00
<u>FIP228</u>	Local Govt Finance	<b>CREDIT HOURS:</b>	3.00

### **HEALTHCARE INTERPRETING**

The Healthcare Interpreting curriculum prepares individuals proficient in English and a target language to work in a healthcare environment as entry-level bilingual professionals, providing communication access to care and services to those whose language of preference is other than English.

Course work includes an overview of the American healthcare system, roles and responsibilities of the healthcare interpreter, ethical issues, basic human anatomy and physiology, and medical terminology. Students will acquire skills associated with interpretation between English and a target language.

6.1.14

Graduates should qualify for entry-level jobs as professional bilingual interpreters in a variety of healthcare settings. The healthcare settings may include hospitals, physician offices, clinics, health departments or apply language skills to other human service related areas.

Upon successful completion of this program, the student should be able to:

1. Demonstrate effective, professional written and oral communication skills with clients and with appropriate individuals in a variety of healthcare settings.
2. Use critical thinking to recognize and analyze situations and to provide communication access to care and services to those whose language of preference is other than English.
3. Use technology and other resources in the administrative functions of healthcare interpreting.
4. Display professionalism by projecting a positive and understanding attitude, working as an advocate for the non-English speaking client, and showing initiative and responsibility.
5. Work with the non-English speaking client and with healthcare agencies in a legal and ethical manner.

#### Technical Standards:

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability and professional conduct that are essential for the competent study and practice of healthcare interpreting. These technical standards are published in the application for admission to health programs and the Student Handbook.

#### Admission Requirements:

Qualified applicants are admitted to the program based on selective ranking criteria.

Applicants for admission to the Healthcare Interpreting program must:

1. Complete the requirements for admission as described in the HCI Packet.

#### Transfer Credit for Healthcare Interpreting Courses

The decision regarding transfer credit for healthcare interpreting courses is made by the Director of the program in consultation with members of the faculty and the Assistant Dean. Syllabi for courses for which credit is requested will be required.

#### Progression Requirements

A student must meet all prerequisite and corequisite HCI course requirements with a grade of "C" or better in order to progress in the program.

#### Criminal Background Check

A criminal background check and drug screen testing are required by the clinical site prior to participation in the clinical component.

If any clinical facility refuses to allow the student to participate in clinical experiences in that clinical agency, the student will not be able to progress in the program.

### Healthcare Interpreting: Associate in Applied Science Degree Program

#### 1st Fall

<a href="#">HCI213</a>	Review of Grammar	<b>CREDIT HOURS:</b>	3.00
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<a href="#">MED120</a>	Survey of Medical Terminology	<b>CREDIT HOURS:</b>	2.00
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<a href="#">BIO163</a>	Basic Anatomy & Physiology (CAA)	<b>CREDIT HOURS:</b>	5.00
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<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">HCI115</a>	Healthcare in the U.S.	<b>CREDIT HOURS:</b>	1.00
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#### 1st Spring

<a href="#">HCI120</a>	Medical Communication	<b>CREDIT HOURS:</b>	4.00
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<a href="#">HSC140</a>	Transcultural Healthcare	<b>CREDIT HOURS:</b>	2.00
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<a href="#">HCI114</a>	Analytical Skills for Interpreters	<b>CREDIT HOURS:</b>	3.00
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<a href="#">HCI110</a>	Introduction to Healthcare Interpreting	<b>CREDIT HOURS:</b>	3.00
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#### Summer

<a href="#">HCI130</a>	Strategies for Medical Interpreters	<b>CREDIT HOURS:</b>	3.00
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<a href="#">COM120</a>	Interpersonal Communication (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>2nd Fall</b>			
<a href="#">HCI210</a>	HCI Clinical Practicum I	<b>CREDIT HOURS:</b>	3.00
<a href="#">HCI225</a>	Cultural Health Habits	<b>CREDIT HOURS:</b>	4.00
<a href="#">HCI215</a>	Informatics for Interpreters	<b>CREDIT HOURS:</b>	3.00
<a href="#">MED114</a>	Professional Interactions in Health Care	<b>CREDIT HOURS:</b>	1.00
<a href="#">MED118</a>	Medical Law & Ethics	<b>CREDIT HOURS:</b>	2.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>2nd Spring</b>			
<a href="#">HCI220</a>	HCI Clinical Practicum II	<b>CREDIT HOURS:</b>	3.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HCI230</a>	Professional Issues	<b>CREDIT HOURS:</b>	3.00

## HEALTH INFORMATION TECHNOLOGY

The Health Information Technology curriculum prepares individuals with the knowledge and skills to process, analyze, abstract, compile, maintain, manage, and report health information.

Students will supervise departmental functions; classify, code and index diagnoses and procedures; coordinate information for cost control, quality management, statistics, marketing, and planning; monitor governmental and non-governmental standards; facilitate research; and design system controls to monitor patient information security.

Graduates of this program may be eligible to write the national certification examination to become a Registered Health Information Technician (RHIT). Employment opportunities include hospitals, rehabilitation facilities, nursing homes, health insurance organizations, outpatient clinics, physicians' offices, hospice, and mental health facilities.

Upon successful completion of this program, the student should be able to:

1. Demonstrate effective, professional written and oral communication skills with consumers and co-workers.
2. Use and apply critical thinking skills and basic health information management principles to recognize, analyze, and solve problems.
3. Perform and interpret math calculations related to descriptive healthcare statistics.
4. Use current technology to access and process health information.
5. Demonstrate knowledge and skills necessary for entry-level health information competencies.
6. Practice in a legal, ethical, and professional manner by demonstrating responsibility, initiative, positive attitudes toward those of diverse backgrounds, integrity, time management skills, and the ability to work in teams in a healthcare setting.

### **Accreditation:**

The Health Information Technology program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

### **Technical Standards:**

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability and professional conduct that are essential for the competent study and practice of health information technology. These technical standards are published in the application for admission to health programs and the Student Handbook and/or are available from program faculty.

### **Admission Requirements:**

Qualified applicants are admitted to the program based on selective ranking criteria.

Applicants for admission to the Health Information Technology program must:

1. Complete the requirements for admission as described in the Allied Health Packet.

### **Transfer Credit for Health Information Technology Courses**

The decision regarding transfer credit for health information courses is made by the Director of the program in consultation with members of the faculty and the Assistant Dean. Syllabi for courses for which credit is requested will be required.

## Progression Requirements

A grade of "C" or better is required in all HIT, MED, BIO, and ENG prefix courses.

6.1.14

### Criminal Background Check

A criminal background check and drug testing are required by the clinical site prior to participation in the clinical component.

If any clinical facility refuses to allow the student to participate in clinical experiences in that clinical agency, the student will not be able to progress in the program.

### Health Information Technology: Associate in Applied Science Degree Program

NOTE: Special legal requirements exist which may limit the ability of an individual to obtain clinical experience, employment, or certification in the Health Information field. Prospective students should obtain additional information from a College counselor or program faculty member prior to seeking admission.

#### 1st Fall

<a href="#">BIO165</a>	Anatomy & Physiology I (CAA)	<b>CREDIT HOURS:</b>	4.00
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<a href="#">MED121</a>	Medical Terminology I	<b>CREDIT HOURS:</b>	3.00
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<a href="#">HIT110</a>	Fundamentals of HIM	<b>CREDIT HOURS:</b>	3.00
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<a href="#">CIS111</a>	Basic PC Literacy	<b>CREDIT HOURS:</b>	2.00
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<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">HIT114</a>	Health Data Systems/Standards	<b>CREDIT HOURS:</b>	3.00
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#### 1st Spring

<a href="#">BIO166</a>	Anatomy & Physiology II (CAA)	<b>CREDIT HOURS:</b>	4.00
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<a href="#">MED122</a>	Medical Terminology II	<b>CREDIT HOURS:</b>	3.00
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<a href="#">HIT112</a>	Health Law & Ethics	<b>CREDIT HOURS:</b>	3.00
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<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
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#### Summer

<a href="#">COM120</a>	Interpersonal Communication (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">BIO271</a>	Pathophysiology (CAA)	<b>CREDIT HOURS:</b>	3.00
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<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
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#### 2nd Fall

<a href="#">HIT226</a>	Principles of Disease	<b>CREDIT HOURS:</b>	3.00
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<a href="#">HIT210</a>	Health Care Statistics	<b>CREDIT HOURS:</b>	3.00
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<a href="#">HIT211</a>	ICD Coding	<b>CREDIT HOURS:</b>	4.00
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<a href="#">HIT122</a>	Prof Practice Exp I	<b>CREDIT HOURS:</b>	1.00
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<a href="#">HIT220</a>	Computers in Health Care	<b>CREDIT HOURS:</b>	2.00
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#### 2nd Spring

<a href="#">HIT214</a>	CPT/Other Coding Systems	<b>CREDIT HOURS:</b>	2.00
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<a href="#">HIT215</a>	Reimbursement Methodology	<b>CREDIT HOURS:</b>	2.00
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<a href="#">HIT280</a>	Professional Issues	<b>CREDIT HOURS:</b>	2.00
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<a href="#">HIT216</a>	Quality Management	<b>CREDIT HOURS:</b>	2.00
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<a href="#">HIT222</a>	Professional Practice Exp III	<b>CREDIT HOURS:</b>	2.00
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<a href="#">HIT124</a>	Professional Practice Exp. II	<b>HOURS:</b>	1.00
<a href="#">HIT218</a>	Management Principles in HIT	<b>CREDIT HOURS:</b>	3.00 <sup>6.1.14</sup>

## HISTOTECHNOLOGY

The Histotechnology curriculum provides individuals with the knowledge and skills necessary to prepare tissue specimens for microscopic examination using various stains and dyes to identify tissue and cell structures.

Course work emphasizes scientific concepts related to laboratory testing, quality assurance, histology, microscopy, and other related topics.

Graduates may be eligible to take the national examination given by the Board of Certification of the American Society for Clinical Pathology. Employment opportunities include pathology laboratories in hospitals and clinics and medical or research laboratories.

Upon successful completion of this program, the student should be able to:

1. Perform laboratory procedures safely.
2. Integrate legal and ethical principles into job responsibilities.
3. Recognize, analyze, and solve problems related to laboratory procedures.
4. Demonstrate the academic knowledge and technical skills for entry-level histologic technicians.
5. Perform mathematical calculations related to generating laboratory results.
6. Read and understand laboratory manuals and related technical materials.
7. Use current technologies to access and process information.
8. Demonstrate effective written and oral communication skills with consumers and coworkers.
9. Display professionalism by projecting a positive attitude, working as a team member, showing initiative and responsibility, and displaying sensitivity to cultural diversity.

### **Technical Standards:**

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability, and professional conduct that are essential for the competent study and practice of Histotechnology. These technical standards are published in the Student Handbook, and/or are available from program faculty.

### **Admission Requirements:**

Applicants for admission to the Histotechnology program must:

1. Complete the requirements for admission as described in the Cancer Information Management & Histotechnology Packet.

### **Criminal Background Check**

A criminal background check and drug screen testing are required by the clinical site prior to participation in the clinical component.

If any clinical facility refuses to allow the student to participate in clinical experiences in that clinical agency, the student will not be able to progress in the program.

### **Progression Requirements**

A student must meet all prerequisite and corequisite HTO course requirements with a grade of "C" or better in order to progress in the program.

## Histotechnology: Associate in Applied Science Degree Program

NOTE: Special legal requirements exist which may limit the ability of an individual to obtain clinical experience, employment, or certification in Histotechnology. Prospective students should obtain additional information from a College counselor or program faculty member prior to seeking admission.

### **1st Fall**

<a href="#">BIO163</a>	Basic Anatomy & Physiology (CAA)	<b>CREDIT HOURS:</b>	5.00
<a href="#">CHM130</a>	General, Organic & Biochemistry (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CHM130A</a>	General Organic & Biochemistry Lab (CAA)	<b>CREDIT HOURS:</b>	1.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00

### **1st Spring**

<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">COM120</a>	Interpersonal Communication (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">BIO275</a>	Microbiology (CAA)	<b>CREDIT HOURS:</b>	4.00

<a href="#">BIO271</a>	Pathophysiology (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>Summer</b>			
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HTO110</a>	Introduction to Histotechnology	<b>CREDIT HOURS:</b>	3.00
<b>2nd Fall</b>			
<a href="#">HTO120</a>	Histology	<b>CREDIT HOURS:</b>	5.00
<a href="#">HTO130</a>	Histotechniques	<b>CREDIT HOURS:</b>	5.00
<a href="#">HTO140</a>	Histochemistry	<b>CREDIT HOURS:</b>	5.00
<b>2nd Spring</b>			
<a href="#">HTO210</a>	Histopathology	<b>CREDIT HOURS:</b>	4.00
<a href="#">HTO220</a>	Histotechnology Clinical	<b>CREDIT HOURS:</b>	8.00
<a href="#">HTO230</a>	Professional Issues	<b>CREDIT HOURS:</b>	3.00

## HUMAN SERVICES TECHNOLOGY

The Human Services Technology program provides quality-learning opportunities to prepare individuals for entry-level positions in institutions and agencies, which provide social, community, and educational services. Along with core courses, students take courses, which prepare them for specialization in specific human services areas.

Students will take courses from a variety of disciplines. Emphasis in core courses is placed on development of relevant knowledge, skills, and attitudes in human services. Fieldwork experience will provide opportunities for application of knowledge and skills learned in the classroom.

Graduates should qualify for positions in mental health, childcare, family services, social services, rehabilitation, correction, and educational agencies. Graduates choosing to continue their education may select from a variety of transfer programs at senior public and private institutions.

Upon successful completion of this program, the student should be able to:

1. Demonstrate a fundamental understanding of human nature and development from a biological, psychological, and sociological perspective as related to Human Services profession.
2. Demonstrate a broad-based understanding of human behavior and social relationships.
3. Apply knowledge of culture and society to social institutions and problem solving, while paying attention to cross-cultural differences.
4. Employ scientific methods to analyze information, which can be useful for understanding and addressing individual problems as related the Human Services profession.
5. Demonstrate critical reasoning and problem solving, communication skills, and ethical decision making as tools for working and living.

### **Technical Standards:**

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability and professional conduct that are essential for the competent study and practice of human services. These technical standards are published in the Student Handbook and/or are available from program faculty.

### **Admission Requirements:**

Students must be admitted to the Human Services program prior to taking Human Service core courses.

Applicants for admission to the Human Services program will need to complete the requirements for admission as described in the Human Services Packet.

### **Transfer Credit for Human Services Courses**

The decision regarding transfer credit for human services courses is made by the Director of the program in consultation with members of the faculty and the Associate Dean. Syllabi for courses for which credit is requested will be required.

Students wishing to transfer 15 credit hours or more in Human Services (HSE or SAB) to DCCC must obtain a recommendation letter from the parent institution. See your academic advisor for the appropriate form.

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability and professional conduct that are essential for the competent study and practice of a human services professional. These technical standards are published in the application packet for admission to the program and the Student Handbook and/or are available from academic advisor or program faculty.

### **Progression Requirements**

A student must meet all prerequisite and corequisite HSE, PSY, ENG, CIS, and SAB course requirements with a grade of "C" or better in order to progress in the program.

## **Human Services Technology: Associate in Applied Science Degree Program**

**1st Fall**

<a href="#">HSE110</a>	Introduction to Human Services	<b>CREDIT HOURS:</b>	3.00
			6.1.14
<a href="#">HSE112</a>	Group Process I	<b>CREDIT HOURS:</b>	2.00
<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00

**1st Spring**

<a href="#">HSE123</a>	Interviewing Techniques	<b>CREDIT HOURS:</b>	3.00
<a href="#">SAB110</a>	Substance Abuse Overview	<b>CREDIT HOURS:</b>	3.00
<a href="#">HSE220</a>	Case Management	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">PHI240</a>	Introduction to Ethics (CAA)	<b>CREDIT HOURS:</b>	3.00

**Summer**

<a href="#">PSY241</a>	Developmental Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HSE127</a>	Conflict Resolution	<b>CREDIT HOURS:</b>	3.00
<a href="#">SOC210</a>	Introduction to Sociology (CAA)	<b>CREDIT HOURS:</b>	3.00

**2nd Fall**

<a href="#">HSE210</a>	Human Services Issues	<b>CREDIT HOURS:</b>	2.00
<a href="#">HSE125</a>	Counseling	<b>CREDIT HOURS:</b>	3.00
<a href="#">HSE225</a>	Crisis Intervention	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG112</a>	Argument-Based Research (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00

**2nd Spring**

<a href="#">HSE160</a>	HSE Clinical Supervis I	<b>CREDIT HOURS:</b>	1.00
<a href="#">HSE163</a>	HSE Clinical Exp I	<b>CREDIT HOURS:</b>	3.00
<a href="#">HSE242</a>	Family Systems	<b>CREDIT HOURS:</b>	3.00
<a href="#">COM231</a>	Public Speaking (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">PSY265</a>	Behavioral Modification	<b>CREDIT HOURS:</b>	3.00

**MEDICAL ASSISTING**

The Medical Assisting curriculum prepares multi-skilled health care professionals qualified to perform administrative, clinical, and laboratory procedures.

Course work includes instruction in scheduling appointments, coding and processing insurance accounts, billing, collections, medical transcription, computer operations; assisting with examinations/treatments, performing routine laboratory procedures, electrocardiography, supervised medication administration; and ethical/legal issues associated with patient care.

Graduates of CAAHEP accredited medical assisting programs may be eligible to sit for the American Association of Medical Assistants Certification Examination to become Certified Medical Assistants. Employment opportunities include physicians' offices, health maintenance organizations, health departments, and hospitals.

Upon successful completion of this program, the student should be able to:

1. Demonstrate effective written and oral communication skills with consumers and coworkers in the role of medical assistant.
2. Use critical thinking to recognize, analyze, and solve problems related to administrative, clinical, and laboratory procedures.

3. Understand and use policies and manuals related to administrative, clinical, and laboratory procedures.
4. Perform mathematic calculations related to generating laboratory results and preparing and administering medications.
5. Use current technologies in the implementation of administrative, clinical, and laboratory procedures.
6. Demonstrate competency in the knowledge and skills required for entry-level medical assisting practice.
7. Display professionalism by projecting a positive attitude, working as a team member, showing initiative and responsibility, and displaying sensitivity to cultural diversity.
8. Practice in a legal and ethical manner.

6.1.14

**Accreditation:**

The Davidson County Community College Diploma Medical Assisting Program 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). The address for the commission is: Commission on Accreditation of Allied Health Education Programs, 1361 Park Street, Clearwater, FL 33756; telephone: 727.210.2350.

Certification Pass Rate: 85% pass rate for AAMA first time attempts in 2012.

**Technical Standards:**

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability and professional conduct that are essential for the competent study and practice of a medical assistant. These technical standards are published in the application for admission to health programs and the Student Handbook.

**Admission Requirements:**

Applicants for admission to the Medical Assisting program must:

1. Complete the requirements for admission as described in the [Allied Health Packet](#).

**Transfer Credit for Medical Assisting Courses**

The decision regarding transfer credit for medical assisting courses is made by the Director of the program in consultation with members of the faculty and the Associate Dean. Syllabi for courses for which credit is requested will be required.

**Progression Requirements**

A student must meet all prerequisite and corequisite MED and all supporting course requirements with a grade of "C" or better in order to progress in the program.

**Criminal Background Check**

A criminal background check and drug screen testing are required by the clinical site prior to participation in the clinical component.

If any clinical facility refuses to allow the student to participate in clinical experiences in the clinical agency, the student will not be able to progress in the program.

**Medical Assisting: Associate in Applied Science Degree Program**

NOTE: Special legal requirements exist which may limit the ability of an individual to obtain clinical experience, employment, or certification in the Medical Assisting field. Prospective students should obtain additional information from a College counselor or program faculty member prior to seeking admission.

**1st Fall**

<a href="#">BIO163</a>	Basic Anatomy & Physiology (CAA)	<b>CREDIT HOURS:</b>	5.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MED110</a>	Orientation to Medical Assisting	<b>CREDIT HOURS:</b>	1.00
<a href="#">MED118</a>	Medical Law & Ethics	<b>CREDIT HOURS:</b>	2.00
<a href="#">MED121</a>	Medical Terminology I	<b>CREDIT HOURS:</b>	3.00
<a href="#">MED130</a>	Administrative Office Procedures I	<b>CREDIT HOURS:</b>	2.00

**1st Spring**

<a href="#">MED122</a>	Medical Terminology II	<b>CREDIT HOURS:</b>	3.00
<a href="#">MED131</a>	Administrative Office Procedures II	<b>CREDIT HOURS:</b>	2.00
<a href="#">MED140</a>	Examining Room Procedures I	<b>CREDIT HOURS:</b>	5.00
<a href="#">MED150</a>	Laboratory Procedures I	<b>CREDIT HOURS:</b>	5.00
<a href="#">MED272</a>	Drug Therapy	<b>CREDIT HOURS:</b>	3.00

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## Summer

<a href="#">MED260</a>	MED Clinical Practicum	<b>CREDIT HOURS:</b>	5.00	6.1.14
<a href="#">MED262</a>	Clinical Perspectives	<b>CREDIT HOURS:</b>	1.00	
<a href="#">COM120</a>	Interpersonal Communication (CAA)	<b>CREDIT HOURS:</b>	3.00	

## 2nd Fall

<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00	
<a href="#">MED240</a>	Examining Room Procedures II	<b>CREDIT HOURS:</b>	5.00	
<a href="#">MED232</a>	Medical Insurance Coding	<b>CREDIT HOURS:</b>	2.00	
<a href="#">MED270</a>	Symptomatology	<b>CREDIT HOURS:</b>	3.00	

## 2nd Spring

<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00	
<a href="#">BUS137</a>	Principles of Management (CAA)	<b>CREDIT HOURS:</b>	3.00	
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00	

## Medical Assisting: Diploma Program

### Fall

<a href="#">BIO163</a>	Basic Anatomy & Physiology (CAA)	<b>CREDIT HOURS:</b>	5.00	
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00	
<a href="#">MED110</a>	Orientation to Medical Assisting	<b>CREDIT HOURS:</b>	1.00	
<a href="#">MED118</a>	Medical Law & Ethics	<b>CREDIT HOURS:</b>	2.00	
<a href="#">MED121</a>	Medical Terminology I	<b>CREDIT HOURS:</b>	3.00	
<a href="#">MED130</a>	Administrative Office Procedures I	<b>CREDIT HOURS:</b>	2.00	

### Spring

<a href="#">MED122</a>	Medical Terminology II	<b>CREDIT HOURS:</b>	3.00	
<a href="#">MED131</a>	Administrative Office Procedures II	<b>CREDIT HOURS:</b>	2.00	
<a href="#">MED140</a>	Examining Room Procedures I	<b>CREDIT HOURS:</b>	5.00	
<a href="#">MED150</a>	Laboratory Procedures I	<b>CREDIT HOURS:</b>	5.00	
<a href="#">MED272</a>	Drug Therapy	<b>CREDIT HOURS:</b>	3.00	

### Summer

<a href="#">MED260</a>	MED Clinical Practicum	<b>CREDIT HOURS:</b>	5.00	
<a href="#">MED262</a>	Clinical Perspectives	<b>CREDIT HOURS:</b>	1.00	
<a href="#">COM120</a>	Interpersonal Communication (CAA)	<b>CREDIT HOURS:</b>	3.00	

## MEDICAL LABORATORY TECHNOLOGY

The Medical Laboratory Technology curriculum prepares individuals to perform clinical laboratory procedures in chemistry, hematology, microbiology, and immunohematology that may be used in the maintenance of health and diagnosis/treatment of disease.

Course work emphasizes mathematical and scientific concepts related to specimen collection, laboratory testing and procedures, quality assurance, and reporting/recording and interpreting findings involving tissues, blood, and body fluids.

Graduates may be eligible to take examinations given by the American Society for Clinical Pathology Board of Certification. Employment opportunities include laboratories in hospitals, medical offices, industry, and research facilities.

Upon successful completion of this program, the student should be able to:

1. Demonstrate effective written and oral communication skills with consumers and coworkers.
2. Recognize, analyze, and solve problems related to clinical lab procedures.
3. Read and understand medical laboratory manuals and related technical materials.
4. Perform mathematical calculations related to generating laboratory results.
5. Use current technologies to access and process information.
6. Demonstrate the academic knowledge and technical skills for entry-level medical laboratory practice.
7. Display professionalism by projecting a positive attitude, working as a team member, showing initiative and responsibility, and displaying sensitivity to cultural diversity.
8. Practice in a legal and ethical manner.

6.1.14

### Accreditation:

The Medical Laboratory Technology program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119, 773.714.8880.

### Certification Pass Rate

Student outcome measures for 2012 rated 100% pass rate for ASCP BOC for first time attempts.

### Technical Standards:

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability and professional conduct that are essential for the competent study and practice of medical laboratory technology. These technical standards are published in the application for admission to health programs and the Student Handbook.

### Admission Requirements:

Applicants for admission to the Medical Laboratory Technology program must:

1. Complete the requirements for admission as described in the Allied Health Packet.

### Transfer Credit for Medical Laboratory Technology Courses

The decision regarding transfer credit for medical laboratory technology courses is made by the Director of the program in consultation with members of the faculty and the Associate Dean. Syllabi for courses for which credit is requested will be required.

### Progression Requirements

A student must meet all prerequisite and corequisite MLT course requirements with a grade of "C" or better in order to progress in the program.

### Criminal Background Check

A criminal background check and drug screen testing are required by the clinical site prior to participation in the clinical component.

If any clinical facility refuses to allow the student to participate in clinical experiences in that clinical agency, the student will not be able to progress in the program.

## Medical Laboratory Technology: Associate in Applied Science Degree Program

NOTE: Special legal requirements exist which may limit the ability of an individual to obtain clinical experience, employment, or certification in the Medical Laboratory Technology field. Prospective students should obtain additional information from a College counselor or program faculty member prior to seeking admission.

### 1st Fall

<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MLT110</a>	Introduction to MLT	<b>CREDIT HOURS:</b>	3.00
<a href="#">MLT140</a>	Introduction to Microbiology	<b>CREDIT HOURS:</b>	3.00
<a href="#">MLT240</a>	Special Clinical Microbiology	<b>CREDIT HOURS:</b>	3.00

### For 1st Fall either take

<a href="#">BIO163</a>	Basic Anatomy & Physiology (CAA)	<b>CREDIT HOURS:</b>	5.00
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### OR BOTH

<a href="#">BIO165</a>	Anatomy & Physiology I (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">BIO166</a>	Anatomy & Physiology II (CAA)	<b>CREDIT HOURS:</b>	4.00

### 1st Spring

<a href="#">CHM130</a>	General, Organic & Biochemistry (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CHM130A</a>	General Organic & Biochemistry Lab (CAA)	<b>CREDIT HOURS:</b>	1.00

<a href="#">MLT111</a>	Urinalysis & Body Fluids	<b>CREDIT HOURS:</b>	2.00
<a href="#">MLT120</a>	Hematology/Hemostasis I	<b>CREDIT HOURS:</b>	4.00 <sup>6.1.14</sup>
<a href="#">MLT125</a>	Immunohematology I	<b>CREDIT HOURS:</b>	5.00
<a href="#">MLT220</a>	Hematology/Hemostasis II	<b>CREDIT HOURS:</b>	3.00
<b>Summer</b>			
<a href="#">MLT130</a>	Clinical Chemistry I	<b>CREDIT HOURS:</b>	4.00
<b>2nd Fall</b>			
<a href="#">MLT216</a>	Professional Issues	<b>CREDIT HOURS:</b>	1.00
<a href="#">MLT257</a>	MLT Practicum I	<b>CREDIT HOURS:</b>	8.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>2nd Spring</b>			
<a href="#">COM120</a>	Interpersonal Communication (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MLT266</a>	MLT Practicum II	<b>CREDIT HOURS:</b>	6.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00

## NURSING ASSISTANT

The Nursing Assistant curriculum prepares individuals to work under the supervision of licensed health care professionals in performing nursing care and services for persons of all ages.

Course work emphasizes growth and development throughout the life span, personal care, vital signs, communication, nutrition, medical asepsis, therapeutic activities, accident and fire safety, household environment and equipment management; family resources and services; and employment skills.

Graduates of this curriculum may be eligible to be listed on the registry as a Nursing Assistant I and Nursing Assistant II. They may be employed in home health agencies, hospitals, clinics, nursing homes, extended care facilities, and doctors' offices.

Upon successful completion of the Nursing Assistant program, the graduate should be able to:

1. Function within the role and scope of practice of a Nursing Assistant as a member of the healthcare team.
2. Identify psychological and social needs of clients in a variety of healthcare settings.
3. Demonstrate skills necessary to qualify as Nursing Assistant I with the North Carolina Nurse Aide I Registry.
4. Demonstrate skills necessary to qualify as a Nursing Assistant II with the North Carolina Board of Nursing.

### **Technical Standards:**

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability and professional conduct that are essential for the competent study and practice of a nursing assistant. These technical standards are published in the application packet for admission to health programs and the Student Handbook.

### **Admission Requirements:**

Students must be admitted to the Nursing Assistant program prior to taking NAS 101, NAS 102, NAS 103, or NAS 106.

Applicants for admission to the Nursing Assistant program must:

1. Complete the College's assessment process and achieved acceptable scores or been exempted from placement.
2. Demonstrate physical and emotional health status compatible with the ability to provide safe care to clients and to obtain acceptance for clinical training.

### **Progression Requirements**

A student must meet all prerequisite and corequisite NAS course requirements with a grade of "C" or better in order to progress in the program.

### **Criminal Background Check**

A criminal background check and drug screen testing are required by the clinical site prior to participation in the clinical component. If any clinical facility refuses to allow the student to participate in clinical experiences in that clinical agency, the student will not be able to progress in the program.

## Nursing Assistant: Certificate Program

## 1st Semester

<a href="#">NAS101</a>	Nursing Assistant I	<b>CREDIT HOURS:</b>	6.00
<a href="#">NAS103</a>	Home Health Care	<b>CREDIT HOURS:</b>	2.00
<a href="#">NAS106</a>	Geriatrics	<b>CREDIT HOURS:</b>	3.00
<b>2nd Semester</b>			
<a href="#">NAS102</a>	Nursing Assistant II	<b>CREDIT HOURS:</b>	6.00

## Certificate - Nursing Assistant (High School Career and College Promise)

### What it's about

The Nursing Assistant curriculum prepares individuals to work under the supervision of licensed healthcare professionals in performing nursing care and services for persons of all ages. They may be employed in home health agencies, hospitals, clinics, nursing homes, extended care facilities, and doctors' offices.

### What you can get

Upon successful completion of all courses in this CCP pathway, the student will be awarded a Certificate in Nursing Assistant from DCCC. After completing NAS 101, the student will be eligible to take the Nurse Aide I state test for listing as an NAI on the Nurse Aide Registry (additional cost). After completion of NAS 102, students will be eligible to take the Nurse Aide II state exam.

### Program specific details

Tuition and Fees FREE

Textbooks - \$175.00

Student Course Packet - FREE

Student Kit - \$5.00

BLS for Healthcare Providers, Manual Blood Pressure Cuff and Stethoscope - \$80.00 (May be provided by High School)

Immunizations, Criminal Background/Drug Screen (costs vary based on the individual) - \$105.00

ESTIMATED TOTAL COST (Student Responsible) \$365.00

\*Costs subject to change.

### Minimum Placement Test Scores

Reading & Sentence Skills - 165

Math Score - 7

Math Modules - 010-050

### After High School

Complete Certificate: NAS 102 Nursing Assistant II (Fall semester after graduation)

After Certificate: Ready for State Test

### High School Senior Year

<a href="#">NAS101</a>	Nursing Assistant I	<b>CREDIT HOURS:</b>	6.00
<a href="#">NAS103</a>	Home Health Care	<b>CREDIT HOURS:</b>	2.00
<a href="#">NAS106</a>	Geriatrics	<b>CREDIT HOURS:</b>	3.00
<b>After High School</b>			
<a href="#">NAS102</a>	Nursing Assistant II	<b>CREDIT HOURS:</b>	6.00

## PARALEGAL TECHNOLOGY

The Paralegal Technology curriculum prepares individuals to work under the supervision of attorneys by performing routine legal tasks and assisting with substantive legal work. A paralegal/legal assistant may not practice law, give legal advice, or represent clients in a court of law.

Course work includes substantive and procedural legal knowledge in the areas of civil litigation, legal research and writing, real estate, family law, wills, estates, trusts, and commercial law. Required courses also include subjects such as English, mathematics, and computer utilization.

Graduates are trained to assist attorneys in probate work, investigations, public records search, drafting and filing legal documents, research, and office management. Employment opportunities are available in private law firms, governmental agencies, banks, insurance agencies, and other business organizations.

Upon successful completion of this program, students should be able to:



1. Communicate effectively by listening, speaking, and writing.
  - a. Write a research memorandum for an attorney's review.
  - b. Draft documents for review and use by an attorney during the pleading, discovery, and trial phases of civil litigation.
  - c. Draft domestic law documents for the review of the attorney.
2. Identify, analyze, research, and evaluate legal issues.
  - a. Use critical thinking to define legal questions, research them, interpret statutory and case law, and properly cite legal authorities.
  - b. Distinguish between proper paralegal functions and the unauthorized practice of law, and identify the legal and ethical restrictions inherent in the practice of law.
  - c. Research and summarize basic North Carolina civil, criminal, domestic, property, business, and estate law concepts.
  - d. Assist an attorney in performing title searches and preparing residential loan closing documents.
  - e. Complete the necessary forms for Chapter 7 bankruptcy under the supervision of an attorney.
3. Work ethically and effectively with diverse populations.
  - a. Perform appropriately in a legal team, which includes attorneys, paralegals, and support personnel.
  - b. Demonstrate integrity, persistence and time management in a beginning paralegal position with a private law firm, business, or governmental entity.

## Paralegal Technology: Associate in Applied Science Degree Program

### 1st Fall

<a href="#">LEX110</a>	Introduction to Paralegal Study	<b>CREDIT HOURS:</b>	2.00
<a href="#">LEX120</a>	Legal Research/Writing I	<b>CREDIT HOURS:</b>	3.00
<a href="#">LEX140</a>	Civil Litigation I	<b>CREDIT HOURS:</b>	3.00
<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">BUS115</a>	Business Law I (CAA)	<b>CREDIT HOURS:</b>	3.00

### 1st Spring

<a href="#">LEX121</a>	Legal Research/Writing II	<b>CREDIT HOURS:</b>	3.00
<a href="#">LEX141</a>	Civil Litigation II	<b>CREDIT HOURS:</b>	3.00
<a href="#">LEX286</a>	Medical Evidence Analysis	<b>CREDIT HOURS:</b>	2.00
<a href="#">LEX130</a>	Civil Injuries	<b>CREDIT HOURS:</b>	3.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00

### 2nd Fall

<a href="#">LEX210</a>	Real Property I	<b>CREDIT HOURS:</b>	3.00
<a href="#">LEX250</a>	Wills, Estates & Trusts	<b>CREDIT HOURS:</b>	3.00
<a href="#">LEX150</a>	Commercial Law I	<b>CREDIT HOURS:</b>	3.00
<a href="#">LEX288</a>	Elder Law	<b>CREDIT HOURS:</b>	2.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">CJC131</a>	Criminal Law	<b>CREDIT HOURS:</b>	3.00

### 2nd Spring

<a href="#">LEX211</a>	Real Property II	<b>CREDIT HOURS:</b>	3.00
<a href="#">LEX280</a>	Ethics & Professionalism	<b>CREDIT HOURS:</b>	2.00
<a href="#">LEX240</a>	Family Law	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG114</a>	Professional Research & Reporting (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">COE111</a>	Co-Op Work Experience I	<b>CREDIT HOURS:</b>	1.00

## Paralegal Technology: Civil Litigation Certificate

<b>Fall</b>			
<a href="#">LEX120</a>	Legal Research/Writing I	<b>CREDIT HOURS:</b>	3.00
<a href="#">LEX140</a>	Civil Litigation I	<b>CREDIT HOURS:</b>	3.00
<a href="#">COE111</a>	Co-Op Work Experience I	<b>CREDIT HOURS:</b>	1.00
<b>Spring</b>			
<a href="#">LEX121</a>	Legal Research/Writing II	<b>CREDIT HOURS:</b>	3.00
<a href="#">LEX141</a>	Civil Litigation II	<b>CREDIT HOURS:</b>	3.00
<a href="#">LEX130</a>	Civil Injuries	<b>CREDIT HOURS:</b>	3.00
<a href="#">LEX280</a>	Ethics & Professionalism	<b>CREDIT HOURS:</b>	2.00

### **Paralegal Technology: Real Estate Certificate**

<b>Fall</b>			
<a href="#">LEX150</a>	Commercial Law I	<b>CREDIT HOURS:</b>	3.00
<a href="#">LEX210</a>	Real Property I	<b>CREDIT HOURS:</b>	3.00
<a href="#">LEX250</a>	Wills, Estates & Trusts	<b>CREDIT HOURS:</b>	3.00
<b>Spring</b>			
<a href="#">LEX211</a>	Real Property II	<b>CREDIT HOURS:</b>	3.00
<a href="#">LEX280</a>	Ethics & Professionalism	<b>CREDIT HOURS:</b>	2.00
<a href="#">COE111</a>	Co-Op Work Experience I	<b>CREDIT HOURS:</b>	1.00
<b>Choose 1 LEX course from below for Spring</b>			
<a href="#">LEX240</a>	Family Law	<b>CREDIT HOURS:</b>	3.00
<a href="#">LEX288</a>	Elder Law	<b>CREDIT HOURS:</b>	2.00

## **PHARMACY TECHNOLOGY**

The Pharmacy Technology program prepares individuals to assist the pharmacist in duties that a technician can legally perform and to function within the boundaries prescribed by the pharmacist and the employment agency.

Students will prepare prescription medications, mix intravenous solutions and other specialized medications, update patient profiles, maintain inventories, package medications in unit-dose or medi-card form, and gather data used by pharmacists to monitor drug therapy.

Employment opportunities include retail, hospitals, nursing homes, research laboratories, wholesale drug companies, and pharmaceutical manufacturing facilities. Graduates from the program may be eligible to take the National Certification Examination to become a certified pharmacy technician.

Upon successful completion of this program, the student should be able to perform the following functions under the supervision of a registered pharmacist. These competencies are designed to meet the requirements of the American Society of Health-Systems Pharmacists (ASHP) Standards of Pharmacy Technician Training Programs.

1. Demonstrate the written and oral communication skills required for safe and legal practice in the role of pharmacy technician.
2. Demonstrate the critical thinking skills necessary for safe preparation and distribution of medication.
3. Read and understand policies and other print materials related to safe preparation and distribution of medication.
4. Perform mathematical calculations needed to safely prepare medications and solutions.
5. Use current technologies to prepare, store, inventory, and distribute medications.
6. Demonstrate the academic knowledge and technical skills necessary for safe preparation, storage, and distribution of medications.
7. Deal effectively with others by displaying a positive attitude, working as a team member, showing initiative and responsibility, and displaying sensitivity to cultural diversity.
8. Practice in a legal and ethical manner.

### **Accreditation:**

The Pharmacy Technology program is seeking accreditation by the American Society of Health-System Pharmacists (ASHP), 7272 Wisconsin Avenue, Bethesda, MD 20814, 866.279.0681.

### **Technical Standards:**

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory

### Admission Requirements:

Students must be admitted to the Pharmacy Technology program prior to taking Pharmacy (PHM) courses with a laboratory component (PHM 111, PHM 118). Qualified applicants are admitted to the program based on selective ranking criteria.

- Applicants for admission to the Pharmacy Technology Diploma program will need to complete the requirements for admission as described in the Allied Health Packet.

### Readmission Policy

Re-entry into the Pharmacy Technology program is contingent upon space being available in the laboratory component of the program. Qualified applicants re-enter with appropriate placement as determined by the applicant's prior academic record and/or Pharmacy Technology curriculum changes. Readmission to the program is limited to one time.

### Transfer Credit for Pharmacy Technology Courses

The decision regarding transfer credit for pharmacy technology courses is made by the Director of the program in consultation with members of the faculty and the Associate Dean. Syllabi for courses for which credit is requested will be required.

### Progression Requirements

A student must meet all prerequisite and corequisite PHM course requirements with a grade of "C" or better in order to progress in the program.

### Probation and Suspension

Pharmacy Technology students are subject to the same probation and suspension policies as all other students enrolled in the College. In addition, a student is suspended from the program if the student receives a final grade of "D" or "F" in any required course in the Pharmacy Technology curriculum or receives a final clinical evaluation of "unsatisfactory" in any PHM course.

### Criminal Background Check

A criminal background check and drug screen testing are required by the clinical site prior to participation in the clinical component.

If any clinical facility refuses to allow the student to participate in clinical experiences in that clinical agency, the student will not be able to progress in the program.

### Registration and National Certification

The NC State Board of Pharmacy requires registration in order to work as a pharmacy technician in North Carolina: [www.ncbop.org](http://www.ncbop.org)

National certification of pharmacy technicians is offered through the Pharmacy Technician Certification Board (PTCB) and is currently voluntary in North Carolina: [www.ptcb.org](http://www.ptcb.org) To be eligible for certification and take the Pharmacy Technician Certification Exam, the applicant will have received a high school diploma, a High School Equivalency or the foreign equivalent by the application deadline and have never been convicted of a felony.

## Pharmacy Technology: Associate in Applied Science Degree Program

### 1st Fall

<a href="#">COM120</a>	Interpersonal Communication (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">PHM110</a>	Introduction to Pharmacy	<b>CREDIT HOURS:</b>	3.00
<a href="#">PHM111</a>	Pharmacy Practice I	<b>CREDIT HOURS:</b>	4.00
<a href="#">PHM115</a>	Pharmacy Calculations	<b>CREDIT HOURS:</b>	3.00
<a href="#">PHM120</a>	Pharmacology I	<b>CREDIT HOURS:</b>	3.00

### 1st Spring

<a href="#">PHM118</a>	Sterile Products	<b>CREDIT HOURS:</b>	4.00
<a href="#">PHM125</a>	Pharmacology II	<b>CREDIT HOURS:</b>	3.00
<a href="#">PHM140</a>	Trends in Pharmacy	<b>CREDIT HOURS:</b>	2.00
<a href="#">PHM132</a>	Pharmacy Clinical	<b>CREDIT HOURS:</b>	2.00
<a href="#">PHM134</a>	Pharmacy Clinical	<b>CREDIT HOURS:</b>	4.00
<a href="#">PHM165</a>	Pharmacy Professional Practice	<b>CREDIT HOURS:</b>	2.00

<b>Summer</b>		<b>CREDIT HOURS:</b>	
<a href="#">HUM115</a>	Critical Thinking (CAA)	3.00	
6.1.14			
<b>2nd Fall</b>		<b>CREDIT HOURS:</b>	
<a href="#">BIO163</a>	Basic Anatomy & Physiology (CAA)	5.00	
<a href="#">MAT171</a>	Precalculus Algebra (CAA)	4.00	
<a href="#">PHM160</a>	Pharm Dosage Forms	3.00	
<a href="#">PHM150</a>	Hospital Pharmacy	4.00	
<a href="#">PHM155</a>	Community Pharmacy	3.00	
<b>2nd Spring</b>		<b>CREDIT HOURS:</b>	
<a href="#">PHM265</a>	Professional Issues	3.00	
<a href="#">PHM138</a>	Pharmacy Clinical	8.00	
<a href="#">PSY150</a>	General Psychology (CAA)	3.00	

### Pharmacy Technology: Diploma Program

NOTE: Special legal requirements exist which may limit the ability of an individual to obtain clinical experience, employment, or certification in this field. Prospective students should obtain additional information from a College counselor or program faculty member prior to seeking admission.

<b>Fall</b>		<b>CREDIT HOURS:</b>	
<a href="#">COM120</a>	Interpersonal Communication (CAA)	3.00	
<a href="#">ENG111</a>	Expository Writing (CAA)	3.00	
<a href="#">PHM110</a>	Introduction to Pharmacy	3.00	
<a href="#">PHM111</a>	Pharmacy Practice I	4.00	
<a href="#">PHM115</a>	Pharmacy Calculations	3.00	
<a href="#">PHM120</a>	Pharmacology I	3.00	
<b>Spring</b>		<b>CREDIT HOURS:</b>	
<a href="#">PHM118</a>	Sterile Products	4.00	
<a href="#">PHM125</a>	Pharmacology II	3.00	
<a href="#">PHM140</a>	Trends in Pharmacy	2.00	
<a href="#">PHM132</a>	Pharmacy Clinical	2.00	
<a href="#">PHM134</a>	Pharmacy Clinical	4.00	
<a href="#">PHM165</a>	Pharmacy Professional Practice	2.00	

### Certificate - Pharmacy Technology (High School Career and College Promise)

#### What it's about

The Pharmacy Technology program prepares individuals to assist the pharmacist in duties that a technician can legally perform and to function within the boundaries prescribed by the pharmacist and the employment agency.

#### What you can get

Upon successful completion of all courses in this CCP pathway, the student will be awarded a Certificate in Pharmacy Technology from DCCC.

Once students complete the certificate they can continue their coursework towards a diploma or associate degree. CCP Pharmacy Tech students will receive 1 point in the admission process for the selective diploma admission program. Once students complete the diploma, they are eligible to take the national Pharmacy Tech certification exam.

#### Program Specific Details

### Minimum Placement Test Scores

Reading & Sentence Skills - 165  
Math Score - 7  
Math Modules - 010-050

### After High School

Hours Needed to Complete Associate Degree: 59  
Hours Needed to Complete Diploma: 24

#### High School Senior Year (Fall)

<a href="#">PHM110</a>	Introduction to Pharmacy	<b>CREDIT HOURS:</b>	3.00
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<a href="#">PHM115</a>	Pharmacy Calculations	<b>CREDIT HOURS:</b>	3.00
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<a href="#">PHM120</a>	Pharmacology I	<b>CREDIT HOURS:</b>	3.00
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#### High School Senior Year (Spring)

<a href="#">PHM125</a>	Pharmacology II	<b>CREDIT HOURS:</b>	3.00
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## PHLEBOTOMY

The Phlebotomy curriculum prepares individuals to obtain blood and other specimens for the purpose of laboratory analysis.

Course work includes proper specimen collection and handling, communication skills, and maintaining patient data.

Graduates may qualify for employment in hospitals, clinics, physicians' offices, and other health care settings and may be eligible for national certification as phlebotomy technicians.

Upon successful completion of this program, the student should be able to:

1. Demonstrate effective written and oral communication skills with consumers and coworkers.
2. Recognize, analyze, and solve problems related to phlebotomy procedures.
3. Read and understand medical laboratory manuals and technical materials related to phlebotomy.
4. Perform mathematical calculations relating to blood collection procedures.
5. Use current technologies to access and process information.
6. Demonstrate the academic knowledge and technical skills necessary for entry-level phlebotomy practice.
7. Display professionalism by projecting a positive attitude, working as a team member, showing initiative and responsibility, and displaying sensitivity to cultural diversity.
8. Practice in a legal and ethical manner.

#### Technical Standards:

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability and professional conduct that are essential for the competent study and practice of Phlebotomy. These technical standards are published in the application packet for admission to health programs and the Student Handbook.

#### Admission Requirements:

Students must be admitted to the Phlebotomy program prior to taking PBT 100 or PBT 101

Applicants for admission to the Phlebotomy program must:

1. Complete the requirements for admission as described in the Phlebotomy Packet.

#### Progression Requirements

A student must meet all prerequisite and corequisite PBT course requirements with a grade of "C" or better in order to progress in the program.

#### Criminal Background Check

Applicants for initial licensure in North Carolina must have a criminal background check.

The clinical site requires a criminal background check and drug screen testing prior to participation in the clinical component. If any clinical facility refuses to allow the student to participate in the clinical experiences in that clinical agency as a result of those findings, the student will not be able to progress in the program.

### Phlebotomy: Certificate Program

NOTE: Special legal requirements exist which may limit the ability of an individual to obtain clinical experience, employment, or certification in Phlebotomy. Prospective students should obtain additional information from a College counselor or program faculty member prior to seeking admission. If any clinical facility refuses to allow the student to participate in clinical experiences in that clinical agency, the student will not be able to progress in the program.

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<a href="#">PBT100</a>	Phlebotomy Technology	<b>CREDIT HOURS:</b>	6.00
<a href="#">PBT101</a>	Phlebotomy Practicum	<b>CREDIT HOURS:</b>	3.00
<b>Choose one course from below</b>			
<a href="#">PSY118</a>	Interpersonal Psychology	<b>CREDIT HOURS:</b>	3.00
<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00

## PRACTICAL NURSE EDUCATION

The Practical Nurse Education curriculum prepares individuals with knowledge and skills to provide nursing care to children and adults.

Students will participate in assessment, planning, implementing, and evaluating nursing care.

Graduates are eligible to apply to take the National Council Licensure Examination (NCLEX-PN), which is required for practice as a Licensed Practical Nurse. Employment opportunities include hospitals, rehabilitation and long-term care/home health facilities, clinics, and physicians' offices.

Upon successful completion of this program, the graduate may be eligible to apply to take the licensure examination required to become a licensed practical nurse and should possess the knowledge, fundamental skills, and attitudes to:

1. Provide evidence-based clinically competent nursing care in a culturally sensitive manner.
2. Use communication and information technology effectively and appropriately.
3. Work in interdisciplinary teams.
4. Contribute to continuous improvement of the health care system.
5. Demonstrate ethical and legal behavior in all professional activities.

### **Technical Standards:**

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability and professional conduct that are essential for the competent study and practice of nursing. These technical standards are published in the application packet for admission to Practical Nurse Education programs and the Student Handbook.

### **Admission Requirements:**

The following are admissions criteria for applicants to the Practical Nurse Education (PNE) program.

To be eligible for admission to the PNE program applicants must have:

1. Complete and submit an Application for Admission.
2. Graduated from high school or have an Adult High School Diploma or have passed the GED with an equivalency certification which meets minimum requirements set by the State of North Carolina. Official high school transcript and copy of AHS diploma/GED certificate and official college transcripts, where applicable, must be on file in the Admissions Office.
3. Completed the College's assessment process and achieved acceptable scores or be exempted from placement, or satisfactorily completed all needed preparatory courses by the end of fall semester prior to acceptance.
4. Completed the application process as described in the PNE admission packet.
5. Physical and emotional health status compatible with the ability to provide safe nursing care.
6. Completed a state-approved [Nursing Assistant I training course](#) consisting of 70 hours of training, which includes 40 hours of clinical instruction and be listed as a NAI with no substantiated findings.
7. Be currently certified in Healthcare Provider CPR at the time of entry into the program.

### **Probation and Suspension**

Nursing students are subject to the same probation and suspension policies as all other students enrolled at the College. Additional criteria for nursing apply.

Since requirements for progression in the nursing program are in addition to the general requirements of the College, a student suspended from the program is not necessarily suspended from the College. Students who are eligible to do so may continue in their supporting courses and apply for readmission to the nursing program at a later time or may elect to change their major.

### **Criminal Background Check**

Applicants for initial licensure in North Carolina must have a criminal background check.

The clinical site requires a criminal background check and drug screen testing prior to participation in the clinical component. If any clinical facility refuses to allow the student to participate in the clinical experiences in that clinical agency as a result of those findings, the student will not be able to progress in the program.

## Practical Nurse Education: Diploma Program

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<a href="#">BIO163</a>	Basic Anatomy & Physiology (CAA)	<b>CREDIT HOURS:</b>	5.00
<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00 6.1.14
<a href="#">NUR101</a>	Practical Nursing I	<b>CREDIT HOURS:</b>	11.00
<b>Spring</b>			
<a href="#">PSY241</a>	Developmental Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">NUR102</a>	Practical Nursing II	<b>CREDIT HOURS:</b>	12.00
<b>Summer</b>			
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">NUR103</a>	Practical Nursing III	<b>CREDIT HOURS:</b>	10.00

## SURGICAL TECHNOLOGY

The Surgical Technology curriculum prepares individuals to assist in the care of the surgical patient in the operating room and to function as a member of the surgical team.

Students will apply theoretical knowledge to the care of patients undergoing surgery and develop skills necessary to prepare supplies, equipment, and instruments; maintain aseptic conditions; prepare patients for surgery; and assist surgeons during operations.

Employment opportunities include labor/delivery/emergency departments, inpatient/outpatient surgery centers, dialysis units/facilities, physicians' offices, and central supply processing units.

### **Competencies:**

Upon successful completion of this program, the student should be able to:

1. Demonstrate effective written and oral communication skills with consumers and coworkers in the role of surgical technologist.
2. Use critical thinking to recognize, analyze, and solve problems related to surgical procedures.
3. Understand and use policies and manuals related to surgical procedures.
4. Use current technologies in the implementation of administrative, clinical, and laboratory procedures.
5. Demonstrate competency in the knowledge and skills required for entry-level surgical technologist.
6. Display professionalism by projecting a positive attitude, working as a team member, showing initiative and responsibility, and displaying sensitivity to cultural diversity.
7. Practice in a legal and ethical manner.

### **Technical Standards**

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability and professional conduct that are essential for the competent study and practice of a surgical technologist. These technical standards are published in the application for admission to health programs and the Student Handbook.

### **Admission Requirements:**

Applicants for admission to the Surgical Technology program must:

1. Complete a DCCC Application for Admission for those not currently enrolled at DCCC.
2. Submit a High school transcript OR GED score report (High school seniors should submit a current transcript by the deadline).
3. Submit an OFFICIAL college transcripts from colleges attended. All transcripts are not required, only those in which you plan to transfer credit must be submitted. College transcripts must arrive in original sealed envelopes. Faxed, copied, and on-line transcripts are not acceptable
4. Placement scores meeting Allied Health placement requirements (or approved equivalent) in the areas of computer skills, sentence skills, reading comprehension, arithmetic and algebra
5. Allied Health Intent Form submitted to admissions.
6. Eligibility Review – After completing the requirements above, you are responsible for scheduling an Eligibility Review appointment with your Enrollment Advisor.

**NOTE: Meeting all admission requirements does not guarantee placement into an allied health program.**

### **Transfer Credit for Surgical Technology Courses**

The decision regarding transfer credit for Surgical Technology courses is made by the Director of the program in consultation with members of the faculty and the Associate Dean. Syllabi for courses for which credit is requested will be required.

### **Progression Requirements**

A student must meet all prerequisite and corequisite SUR course requirements with a grade of "C" or better in order to progress in the program.

### **Criminal Background Check**

A criminal background check and drug screen testing are required by the clinical site prior to participation in the clinical component.

If any clinical facility refuses to allow the student to participate in clinical experiences in the clinical agency, the student will not be able to progress in the program.

## Surgical Technology: Associate in Applied Science Degree Program

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### **1st Fall**

<a href="#">BIO163</a>	Basic Anatomy & Physiology (CAA)	<b>CREDIT HOURS:</b>	5.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">SUR110</a>	Intro to Surg Tech	<b>CREDIT HOURS:</b>	3.00
<a href="#">SUR111</a>	Periop Patient Care	<b>CREDIT HOURS:</b>	7.00

### **1st Spring**

<a href="#">SUR122</a>	Surgical Procedures I	<b>CREDIT HOURS:</b>	6.00
<a href="#">SUR123</a>	Sur Clinical Practice I	<b>CREDIT HOURS:</b>	7.00
<a href="#">BIO275</a>	Microbiology (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00

### **Summer**

<a href="#">SUR134</a>	Surgical Procedures II	<b>CREDIT HOURS:</b>	5.00
<a href="#">SUR135</a>	SUR Clinical Practice II	<b>CREDIT HOURS:</b>	4.00
<a href="#">SUR137</a>	Prof Success Prep	<b>CREDIT HOURS:</b>	1.00

### **2nd Fall**

<a href="#">SUR211</a>	Adv Theoretical Concepts	<b>CREDIT HOURS:</b>	2.00
<a href="#">SUR210</a>	Adv SUR Clinical Practice	<b>CREDIT HOURS:</b>	2.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT143</a>	Quantitative Literacy (CAA)	<b>CREDIT HOURS:</b>	3.00

### **2nd Spring**

<a href="#">CIS110</a>	Introduction to Computers (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">COM120</a>	Interpersonal Communication (CAA)	<b>CREDIT HOURS:</b>	3.00

## Surgical Technology: Diploma Program

### **Fall**

<a href="#">BIO163</a>	Basic Anatomy & Physiology (CAA)	<b>CREDIT HOURS:</b>	5.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">SUR110</a>	Intro to Surg Tech	<b>CREDIT HOURS:</b>	3.00
<a href="#">SUR111</a>	Periop Patient Care	<b>CREDIT HOURS:</b>	7.00

### **Spring**

<a href="#">SUR122</a>	Surgical Procedures I	<b>CREDIT HOURS:</b>	6.00
<a href="#">SUR123</a>	Sur Clinical Practice I	<b>CREDIT HOURS:</b>	7.00
<a href="#">BIO275</a>	Microbiology (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00

### **Summer**

<a href="#">SUR134</a>	Surgical Procedures II	<b>CREDIT HOURS:</b>	5.00
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<a href="#">SUR135</a>	SUR Clinical Practice II	<b>CREDIT HOURS:</b>	4.00
<a href="#">SUR137</a>	Prof Success Prep	<b>CREDIT HOURS:</b>	1.00 6.1.14

## THERAPEUTIC AND DIAGNOSTIC SERVICES: NURSING ASSISTANT

This curriculum is designed to prepare students for careers in the Health Sciences.

Students will complete general education courses that provide a foundation for success in nursing and allied health curricula. Students may select a career pathway that will prepare them for an entry level position in health care. Courses may also provide foundational knowledge needed in the pursuit of advanced health science degrees or programs.

Graduates should qualify for an entry-level job associated with the program major such as a Nursing Assistant.

The Therapeutic and Diagnostic Services: Nursing Assistant program prepares individuals to work under the supervision of licensed health care professionals in performing nursing care and services for persons of all ages. Course work emphasizes growth and development throughout the life span, personal care, vital signs, communication, nutrition, medical asepsis, therapeutic activities, accident and fire safety, household environment and equipment management; family resources and services; and employment skills. Graduates of this program may be eligible to be listed on the Division of Health Service Regulation (DHSR) Nurse Aide registry as a Nursing Assistant I and the N.C. Board of Nursing Nurse Aide II registry as a Nursing Assistant II. They may be employed in home health agencies, hospitals, clinics, nursing homes, extended care facilities, and doctors' offices.

### **Competencies:**

Upon successful completion of the Therapeutic and Diagnostic Services: Nursing Assistant program, the graduate should be able to:

1. Function within the role and scope of practice of a Nursing Assistant as a member of the healthcare team.
2. Identify psychological and social needs of clients in a variety of healthcare settings.
3. Demonstrate skills necessary to qualify as Nursing Assistant I with the North Carolina Nurse Aide I Registry.
4. Demonstrate skills necessary to qualify as a Nursing Assistant II with the North Carolina Board of Nursing.

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability and professional conduct that are essential for the competent study and practice of a nursing assistant. These technical standards are available from the academic advisor.

### **Criminal Background Check**

A criminal background check and drug screen testing are required by the clinical site prior to participation in the clinical component of NAS 101.

If any clinical facility refuses to allow the student to participate in clinical experiences in that clinical agency, the student will not be able to progress in the program.

### **Therapeutic and Diagnostic Services: Nursing Assistant Diploma**

<a href="#">HSC110</a>	Orientation to Health Careers	<b>CREDIT HOURS:</b>	1.00
<a href="#">ENG111</a>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">HUM115</a>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">PSY150</a>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">COM231</a>	Public Speaking (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">MAT152</a>	Statistical Methods I (CAA)	<b>CREDIT HOURS:</b>	4.00
<a href="#">NAS101</a>	Nursing Assistant I	<b>CREDIT HOURS:</b>	6.00
<a href="#">NAS103</a>	Home Health Care	<b>CREDIT HOURS:</b>	2.00
<a href="#">MED120</a>	Survey of Medical Terminology	<b>CREDIT HOURS:</b>	2.00
<a href="#">BIO163</a>	Basic Anatomy & Physiology (CAA)	<b>CREDIT HOURS:</b>	5.00
<a href="#">PSY241</a>	Developmental Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<a href="#">NAS102</a>	Nursing Assistant II	<b>CREDIT HOURS:</b>	6.00 193

## Therapeutic Massage

The Therapeutic Massage curriculum prepares graduates to work in direct client care settings to provide manipulation, methodical pressure, friction and kneading of the body for maintaining wellness or treating alterations in wellness throughout the lifespan. 6.1.14

Courses will include content in normal human anatomy and physiology, therapeutic massage, ethical/legal issues, business practices, nutrition, and psychology.

Employment opportunities in North Carolina may be found in hospitals, rehabilitation centers, health departments, home health, medical offices, nursing homes, spas, health and sports clubs, and private practice. Graduates may be eligible to take the MBLEx (Massage & Bodywork Licensing Exam). Diploma level courses are offered on a yearly basis. A.A.S. courses are offered on an as-needed basis.

Upon successful completion of this program, the student should be able to:

1. Describe the physiological and emotional benefits of massage therapy.
2. Execute an effective treatment plan based on knowledge of anatomy, physiology, and common pathologies as well as assessment of client information.
3. Perform massage therapy for therapeutic benefit through application of techniques such as effleurage, petrissage, friction, tapotement, and vibration while utilizing the hands, fingers, thumbs, elbows, and forearms and/or feet as appropriate.
4. Develop successful and ethical client-therapist relationships.
5. Demonstrate appreciation for the legal, ethical, and professional parameters essential to the profession of massage therapy.
6. Model oral and written communication skills appropriate for establishing and maintaining therapeutic relationships with clients and interacting with other professionals.
7. Develop employment strategies and/or a business plan that reflect(s) understanding of business practices, legal issues, and federal, state, and local regulations related to the practice of massage therapy.

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability and professional conduct that are essential for the competent study and practice of therapeutic massage. These technical standards are published in the application packet for admission to health programs and the Student Handbook and/or are available from program faculty.

### **Technical Standards:**

In addition to DCCC requirements and course objectives, there are professional standards that encompass communication, motor skills, sensory and cognitive ability and professional conduct that are essential for the competent study and practice of therapeutic massage. These technical standards are published in the application packet for admission to health programs and the Student Handbook.

### **Admission Requirements:**

Applicants for admission to the Therapeutic Massage program must have:

1. Completed and submitted an Application for Admission.
2. Graduated from high school or have an Adult High School Diploma or have passed the High School Equivalency with an equivalency certification which meets minimum requirements set by the State of North Carolina. Official high school transcript and copy of AHS Diploma/High School Equivalency Certificate and official college transcripts, where applicable, must be on file in the Admissions Office.
3. Completed the College's assessment process and achieved acceptable scores, or have been exempted from placement or satisfactorily completed all needed preparatory courses by the end of spring semester prior to acceptance.

### **Transfer Credit for Therapeutic Massage Courses**

The decision regarding transfer credit for therapeutic massage courses is made by the Director of the program in consultation with members of the faculty and the Associate Dean. Syllabi for courses for which credit is requested will be required.

### **Progression Requirements**

A student must meet all prerequisite and corequisite MTH course requirements with a grade of "C" or better in order to progress in the program.

### **Criminal Background Check**

The North Carolina Board of Massage and Bodywork Therapy may deny a license to practice massage and bodywork therapy if an applicant has a criminal record or there is other evidence that indicates the applicant lacks good moral character.

## **Therapeutic Massage: Associate in Applied Science Degree Program**

### **1st Fall**

<a href="#">BIO163</a>	Basic Anatomy & Physiology (CAA)	<b>CREDIT HOURS:</b>	5.00
<a href="#">MTH110</a>	Fundamentals of Massage	<b>CREDIT HOURS:</b>	10.00
<a href="#">MED120</a>	Survey of Medical Terminology	<b>CREDIT HOURS:</b>	2.00

### **1st Spring**

<a href="#">MTH125</a>	Ethics of Massage	<b>CREDIT HOURS:</b>	2.00
<a href="#">MTH120</a>	Therapeutic Massage Applications	<b>CREDIT HOURS:</b>	10.00
<a href="#">MTH130</a>	Therapeutic Massage Mgmt	<b>CREDIT HOURS:</b>	2.00

<u>ENG111</u>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>Summer</b>			
<u>PSY150</u>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00
<u>BIO271</u>	Pathophysiology (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>2nd Fall</b>			
<u>MTH210</u>	Advanced Skills of Massage	<b>CREDIT HOURS:</b>	8.00
<u>BIO155</u>	Nutrition (CAA)	<b>CREDIT HOURS:</b>	3.00
<u>COM120</u>	Interpersonal Communication (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>2nd Spring</b>			
<u>MTH220</u>	Outcome-Based Massage	<b>CREDIT HOURS:</b>	7.00
<u>HUM115</u>	Critical Thinking (CAA)	<b>CREDIT HOURS:</b>	3.00
<u>SOC210</u>	Introduction to Sociology (CAA)	<b>CREDIT HOURS:</b>	3.00

### Therapeutic Massage: Diploma

<b>Fall</b>			
<u>BIO163</u>	Basic Anatomy & Physiology (CAA)	<b>CREDIT HOURS:</b>	5.00
<u>MTH110</u>	Fundamentals of Massage	<b>CREDIT HOURS:</b>	10.00
<u>MED120</u>	Survey of Medical Terminology	<b>CREDIT HOURS:</b>	2.00
<b>Spring</b>			
<u>MTH125</u>	Ethics of Massage	<b>CREDIT HOURS:</b>	2.00
<u>MTH120</u>	Therapeutic Massage Applications	<b>CREDIT HOURS:</b>	10.00
<u>MTH130</u>	Therapeutic Massage Mgmt	<b>CREDIT HOURS:</b>	2.00
<u>ENG111</u>	Expository Writing (CAA)	<b>CREDIT HOURS:</b>	3.00
<b>Summer</b>			
<u>PSY150</u>	General Psychology (CAA)	<b>CREDIT HOURS:</b>	3.00

**Source URL:** <https://www.davidsonccc.edu/catalog/curriculum-programs-and-services/school-health-wellness-public-safety>

## **Program List**

### **LAST UPDATED:**

Jun 1 2014

### **All Curriculum Programs Offered**

**A | B | C | D | E | F | G | H | I | M | N | P | S | T | W | Z**

#### **A**

[Accounting](#)  
[Air Conditioning, Heating & Refrigeration](#)  
[Associate Degree Nursing \(AS\)](#)  
[Associate in Arts \(AA\)](#)  
[Associate in General Education \(AGE\)](#)  
[Associate in General Education - Elementary Education \(K-6\)](#)  
[Associate in Science \(AS\)](#)  
[Automotive Systems Technology](#)  
[Aquarium Science Technology](#)

#### **B**

[Basic Law Enforcement Training](#)  
[Business Administration](#)

#### **C**

[Cancer Information Management \(DCO\)](#)  
[Central Sterile Processing](#)  
[Computer Integrated Machining](#)  
[Computer Technology Integration](#)  
[Core 44 Diploma](#)  
[Cosmetology](#)  
[Criminal Justice Technology](#)

#### **D**

[Diesel & Heavy Equipment Technology](#)

#### **E**

[Early Childhood Education](#)  
[Electronics Engineering Technology](#)  
[Elementary Education \(K-6\) Program](#)  
[Emergency Medical Science](#)  
[Esthetics Technology](#)

#### **F**

[Fire Protection Technology](#)

#### **G**

[General Occupational Technology](#)  
[Global Logistics Technology](#)

#### **H**

[Healthcare Interpreting](#)

I

[Industrial Systems Technology](#)  
[Infant/Toddler Care](#)

M

[Medical Assisting](#)  
[Medical Laboratory Technology](#)  
[Motorcycle Mechanics](#)

N

[Nursing Assistant](#)  
[Nursing - Associate Degree Nursing \(AS\)](#)  
[Nursing - Practical Nursing Education \(DCO\)](#)

P

[Paralegal Technology](#)  
[Pharmacy Technology](#)  
[Phlebotomy](#)  
[Practical Nurse Education \(DCO\)](#)

S

[School Age Education](#)  
[Surgical Technology](#)

T

[Therapeutic Massage](#)  
[Truck Driver Training](#)

W

[Welding Technology](#)

Z

[Zoo Science Technology](#)

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DCO - Davie Campus Only

AA, AS or AGE degrees provide courses toward a bachelor's degree at a four-year college or university

\* Program to be offered when there is sufficient demand

\*\*\* Offered in cooperation with Rowan-Cabarrus Community College.

**Source URL:** <https://www.davidsonccc.edu/catalog/program-list>

## [ACA090](#)

### **Student Success Strategies**

This course is intended to provide students with skills and strategies to promote success in college, career, and life. Topics include the College's physical, academic, and social environment, promotes personal development, and cultivates learning strategies essential for student success. Upon completion, students should be able to manage their learning experiences to meet educational and life goals.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Fall, Spring, Summer

Evening Semesters:

Fall, Spring

## [ACA115](#)

### **Success & Study Skills**

This course provides an orientation to the campus resources and academic skills necessary to achieve educational objectives. Emphasis is placed on an exploration of facilities and services, study skills, library skills, self-assessment, wellness, goal-setting, and critical thinking. Upon completion, students should be able to manage their learning experiences to successfully meet educational goals. Other areas dealing with life management issues will promote success beyond the academic environment.

Lecture Hours:

0.00

Lab Hours:

2.00

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

## [ACA120](#)

### **Career Assessment**

This course provides the information and strategies necessary to develop clear personal, academic, and professional goals. Topics include personality styles, goal setting, various college curricula, career choices, and campus leadership development. Upon completion, students should be able to clearly state their personal, academic, and professional goals and have a feasible plan of action to achieve those goals. This course provides the information and strategies necessary to develop clear personal, academic, and professional goals. Topics include personality styles, goal setting, various college curricula, career choices, and campus leadership development. Upon completion, students should be able to clearly state their personal, academic, and professional goals and have a feasible plan of action to achieve those goals.

Lecture Hours:

1.00

Lab Hours:

0.00

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

## [ACA122](#)

### **College Transfer Success**

This course provides information and strategies necessary to develop clear academic and professional goals beyond the community college experience. Topics include the CAA, college culture, career exploration, gathering information on senior institutions, strategic planning, critical thinking, and communications skills for a successful academic transition. Upon completion, students should be able to develop an academic plan to transition successfully to senior institutions.

Lecture Hours:  
0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [ACC120](#)

### **Principles of Financial Accounting (CAA)**

This course introduces business decision-making accounting information systems. Emphasis is placed on analyzing, summarizing, reporting, and interpreting financial information. Upon completion, students should be able to prepare financial statements, understand the role of financial information in decision-making and address ethical considerations.

Lecture Hours:  
3.00  
Lab Hours:  
2.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [ACC121](#)

### **Principles of Managerial Accounting (CAA)**

This course includes a greater emphasis on managerial and cost accounting skills. Emphasis is placed on managerial accounting concepts for external and internal analysis, reporting and decision-making. Upon completion, students should be able to analyze and interpret transactions relating to managerial concepts including product-costing systems.

Lecture Hours:  
3.00  
Lab Hours:  
2.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [ACC129](#)

### **Individual Income Taxes**

This course introduces the relevant laws governing individual income taxation. Topics include tax law, electronic research and methodologies, and the use of technology for preparation of individual tax returns. Upon completion, students should be able to analyze basic tax scenarios, research applicable tax law, and complete various individual tax forms.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [ACC130](#)

### **Business Income Taxes**

This course introduces the relevant laws governing business and fiduciary income taxes. Topics include tax law relating to business organizations, electronic research and methodologies, and the use of technology for the preparation of business tax returns. Upon completion, students should be able to analyze basic tax scenarios, research applicable tax law, and complete various business tax forms.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [ACC140](#)

### **Payroll Accounting**

This course covers federal and state laws pertaining to wages, payroll taxes, payroll tax forms, and journal and general ledger transactions. Emphasis is placed on computing wages; calculating social security, income, and unemployment taxes; preparing appropriate payroll tax forms; and journalizing/posting transactions. Upon completion, students should be able to analyze data, make appropriate computations, complete forms, and prepare accounting entries using appropriate technology.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [ACC150](#)

### **Accounting Software Applications**

This course introduces microcomputer applications related to accounting systems. Topics include general ledger, accounts receivable, accounts payable, inventory, payroll, and correcting, adjusting, and closing entries. Upon completion, students should be able to use a computer accounting package to solve accounting problems.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [ACC180](#)

### **Practices in Bookkeeping**

This course provides advanced instruction in bookkeeping and record-keeping functions. Emphasis is placed on mastering adjusting entries, correction of errors, depreciation, payroll, and inventory. Upon completion, students should be able to conduct all key bookkeeping functions for small business.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [ACC220](#)

### **Intermediate Accounting I**

This course is a continuation of the study of accounting principles with in-depth coverage of theoretical concepts and financial statements. Topics include generally accepted accounting principles and an extensive analyses of financial statements. Upon completion, students should be able to demonstrate competence in the conceptual framework underlying financial accounting, including the application of financial standards.

Lecture Hours:  
3.00



Lab Hours:  
2.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [ACC221](#)

### **Intermediate Accounting II**

This course is a continuation of ACC 220. Emphasis is placed on special problems which may include leases, bonds, investments, ratio analyses, present value applications, accounting changes, and corrections. Upon completion, students should be able to demonstrate an understanding of the principles involved and display an analytical problem-solving ability for the topics covered.

Lecture Hours:  
3.00  
Lab Hours:  
2.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [ACC225](#)

### **Cost Accounting**

This course introduces the nature and purposes of cost accounting as an information system for planning and control. Topics include direct materials, direct labor, factory overhead, process, job order, and standard cost systems. Upon completion, students should be able to demonstrate an understanding of the principles involved and display an analytical problem-solving ability for the topics covered.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [AHR110](#)

### **Introduction to Refrigeration**

This course introduces the basic refrigeration process used in mechanical refrigeration and air conditioning systems. Topics include terminology, safety, and identification and function of components; refrigeration cycle; and tools and instrumentation used in mechanical refrigeration systems. Upon completion, students should be able to identify refrigeration systems and components, explain the refrigeration process, and use the tools and instrumentation of the trade.

Lecture Hours:  
2.00  
Lab Hours:  
6.00  
Credit Hours:  
5.00  
Day Semesters:  
Evening Semesters:

## [AHR112](#)

### **Heating Technology**

This course covers the fundamentals of heating including oil, gas, and electric heating systems. Topics include safety, tools and instrumentation, system operating characteristics, installation techniques, efficiency testing, electrical power, and control systems. Upon completion, students should be able to explain the basic oil, gas, and electrical heating systems and describe the major components of a heating system.

Lecture Hours:  
2.00  
Lab Hours:  
4.00

Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [AHR113](#)

### **Comfort Cooling**

This course covers the installation procedures, system operations, and maintenance of residential and light commercial comfort cooling systems. Topics include terminology, component operation, and testing and repair of equipment used to control and produce assured comfort levels. Upon completion, students should be able to use psychometrics, manufacturer specifications, and test instruments to determine proper system operation.

Lecture Hours:  
2.00  
Lab Hours:  
4.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [AHR114](#)

### **Heat Pump Technology**

This course covers the principles of air source and water source heat pumps. Emphasis is placed on safety, modes of operation, defrost systems, refrigerant charging, and system performance. Upon completion, students should be able to understand and analyze system performance and perform routine service procedures.

Lecture Hours:  
2.00  
Lab Hours:  
4.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [AHR120](#)

### **HVACR Maintenance**

This course introduces the basic principles of industrial air conditioning and heating systems. Emphasis is placed on preventive maintenance procedures for heating and cooling equipment and related components. Upon completion, students should be able to perform routine preventive maintenance tasks, maintain records, and assist in routine equipment repairs.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [AHR151](#)

### **HVAC Duct System I**

This course introduces the techniques used to lay out and fabricate ductwork commonly found in HVAC systems. Emphasis is placed on the skills required to fabricate ductwork. Upon completion, students should be able to lay out and fabricate simple ductwork.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## Refrigerant Certification

This course covers the requirements for the EPA certification examinations. Topics include small appliances, high-pressure systems, and low-pressure systems. Upon completion, students should be able to demonstrate knowledge of refrigerants and be prepared for the EPA certification examinations.

Lecture Hours:

1.00

Lab Hours:

0.00

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

## [AHR180](#)

### HVAC Customer Relations

This course introduces common business and customer relation practices that may be encountered in HVACR. Topics include business practices, appearance of self and vehicle, ways of handling customer complaints, invoices, telephone communications, and warranties. Upon completion, students should be able to present themselves to customers in a professional manner, understand how the business operates, complete invoices, and handle complaints.

Lecture Hours:

1.00

Lab Hours:

0.00

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

## [AHR211](#)

### Residential System Design

This course introduces the principles and concepts of conventional residential heating and cooling system design. Topics include heating and cooling load estimating, basic psychometrics, equipment selection, duct system selection, and system design. Upon completion, students should be able to design a basic residential heating and cooling system.

Lecture Hours:

2.00

Lab Hours:

2.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [AHR213](#)

### HVACR Building Code

This course covers the North Carolina codes that are applicable to the design and installation of HVACR systems. Topics include current North Carolina codes as applied to HVACR design, service, and installation. Upon completion, students should be able to demonstrate the correct usage of North Carolina codes that apply to specific areas of the HVACR trade.

Lecture Hours:

1.00

Lab Hours:

2.00

Credit Hours:

2.00

Day Semesters:

Evening Semesters:

## [AHR255](#)

### Indoor Air Quality

This course introduces the techniques of assessing and maintaining the quality of the indoor environment in residential and commercial structures. Topics include handling and investigating complaints, filter selection, humidity control, testing for sources of carbon monoxide, impact of mechanical ventilation, and building and duct pressures. Upon completion, students should be able to assist in investigating and solving common indoor air quality problems.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [AQU162](#)

### **Aquaculture Practicum II**

This course is a continuation of AQU 161. In addition to the routine duties assigned in AQU 161, students will be expected to complete a number of exercises and projects in facility design, construction and maintenance, and in advanced production system management techniques and procedures. Upon completion, students should have sufficient hands-on experience to enter the aquaculture industry as aquaculture production system technicians.

Lecture Hours:  
Lab Hours:  
9.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [ART111](#)

### **Art Appreciation (CAA)**

This course introduces the origins and historical development of art. Emphasis is placed on the relationship of design principles to various art forms including but not limited to sculpture, painting, and architecture. Upon completion, students should be able to identify and analyze a variety of artistic styles, periods, and media.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [ATR112](#)

### **Introduction to Automation**

This course introduces the basic principles of automated manufacturing and describes the tasks that technicians perform on the job. Topics include the history, development, and current applications of robots and automated systems including their configuration, operation, components, and controls. Upon completion, students should be able to understand the basic concepts of automation and robotic systems.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [ATR211](#)

### **Robot Programming**

This course provides the operational characteristics of industrial robots and programming in their respective languages. Topics include robot programming, utilizing teach pendants, PLCs, and personal computers; and the interaction of external sensors, machine vision,

network systems, and other related devices. Upon completion, students should be able to program and demonstrate the operation of various robots.

6.1.14

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [ATR212](#)

### **Industrial Robots**

This course covers the operation of advanced industrial robots. Topics include the classification of robots, activators, grippers, work envelopes, computer interfaces, overlapping work envelopes, installation, and programming. Upon completion, students should be able to install, program, and troubleshoot industrial robots.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [AUT113](#)

### **Automotive Servicing I**

This course is a lab used as an alternative to co-op placement. Emphasis is placed on shop operations, troubleshooting, testing, adjusting, repairing, and replacing components using appropriate test equipment and service information. Upon completion, students should be able to perform a variety of automotive repairs using proper service procedures and to operate appropriate equipment.

Lecture Hours:  
0.00  
Lab Hours:  
6.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [AUT116](#)

### **Engine Repair**

This course covers the theory, construction, inspection, diagnosis, and repair of internal combustion engines and related systems. Topics include fundamental operating principles of engines and diagnosis, inspection, adjustment, and repair of automotive engines using appropriate service information. Upon completion, students should be able to perform basic diagnosis, measurement and repair of automotive engines using appropriate tools, equipment, procedures, and service information. AUT 116A

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Spring  
Evening Semesters:

## [AUT116A](#)

### **Engine Repair Lab**

This course is an optional lab to be used as an alternative to co-op placement in meeting the NATEF standards for total hours. Topics include diagnosis, inspection, adjustment, and repair of automotive engines using appropriate service information. Upon completion, students should be able to perform basic diagnosis, measurement and repair of automotive engines using appropriate tools, equipment,

Lecture Hours:  
0.00  
Lab Hours:  
3.00  
Credit Hours:  
1.00  
Day Semesters:  
Spring  
Evening Semesters:

## [AUT141](#)

### **Suspension & Steering Systems**

This course covers principles of operation, types, and diagnosis/repair of suspension and steering systems to include steering geometry. Topics include manual and power steering systems and standard and electronically controlled suspension and steering systems. Upon completion, students should be able to service and repair steering and suspension components, check and adjust alignment angles, repair tires, and balance wheels.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall  
Evening Semesters:

## [AUT151](#)

### **Brake Systems**

This course covers principles of operation and types, diagnosis, service, and repair of brake systems. Topics include drum and disc brakes involving hydraulic, vacuum boost, hydra-boost, electrically powered boost, and anti-lock and parking brake systems. Upon completion, students should be able to diagnose, service, and repair various automotive braking systems.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall  
Evening Semesters:

## [AUT163](#)

### **Advanced Auto Electricity**

This course covers electronic theory, wiring diagrams, test equipment, and diagnosis, repair, and replacement of electronics, lighting, gauges, horn, wiper, accessories, and body modules. Topics include networking and module communication, circuit construction, wiring diagrams, circuit testing, and troubleshooting. Upon completion, students should be able to properly use wiring diagrams, diagnose, test, and repair wiring, lighting, gauges, accessories, modules, and electronic concerns.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [AUT181](#)

### **Engine Performance I**

This course covers the introduction, theory of operation, and basic diagnostic procedures required to restore engine performance to

vehicles with complex engine control systems. Topics include an overview of engine operation, ignition components and systems, fuel delivery, injection components and systems, and emission control devices. Upon completion, students should be able to describe operation and diagnose/repair basic ignition, fuel, and emission related drivability problems using appropriate test equipment/service information. 6.1.14

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [AUT183](#)

### **Engine Performance II**

This course covers study of the electronic engine control systems, the diagnostic process used to locate engine performance concerns, and procedures used to restore normal operation. Topics will include currently used fuels and fuel systems, exhaust gas analysis, emission control components and systems, OBD II (on-board diagnostics) and inter-related electrical/electronic systems. Upon completion, students should be able to diagnose and repair complex engine performance concerns using appropriate test equipment and service information.

Lecture Hours:  
2.00  
Lab Hours:  
6.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [AUT212](#)

### **Auto Shop Management**

This course covers the principals of management essential to decision-making, communication, authority, and leadership. Topics include shop supervision, shop organization, customer relations, cost effectiveness, and work place ethics. Upon completion, students should be able to describe basic automotive shop operation from a management standpoint.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [AUT221](#)

### **Auto Transmissions/Transaxles**

This course covers operation, diagnosis, service, and repair of automatic transmissions/transaxles. Topics include hydraulic, pneumatic, mechanical, and electrical/electronic operation of automatic drive trains and the use of appropriate service tools and equipment. Upon completion, students should be able to explain operational theory, diagnose, and repair automatic drive trains.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [AUT221A](#)

### **Auto Transmissions/Transaxles Lab**

This course is an optional lab to be used as an alternative to co-op placement in meeting the NATEF standards for total hours. Topics

include hydraulic, pneumatic, mechanical, and electrical/electronic operation of automatic drive trains and the use of appropriate service tools and equipment. Upon completion, students should be able to diagnose and repair automatic drive trains. AUT 221

6.1.14

Lecture Hours:  
0.00  
Lab Hours:  
3.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [AUT231](#)

### **Manual Trans/Axles/Drtrains**

This course covers the operation, diagnosis, and repair of manual transmissions/transaxles, clutches, driveshafts, axles, and final drives. Topics include theory of torque, power flow, and manual drive train servicing and repair using appropriate service information, tools, and equipment. Upon completion, students should be able to explain operational theory, diagnose and repair manual drive trains.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [AUT231A](#)

### **Manual Trans/Axles/Drtrains Lab**

This course is an optional lab for the program that needs to meet NATEF hour standards but does not have a co-op component in the program. Topics include manual drive train diagnosis, service and repair using appropriate service information, tools, and equipment. Upon completion, students should be able to diagnose and repair manual drive trains. AUT 231

Lecture Hours:  
0.00  
Lab Hours:  
3.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [AUT281](#)

### **Advanced Engine Performance**

This course utilizes service information and specialized test equipment to diagnose and repair power train control systems. Topics include computerized ignition, fuel and emission systems, related diagnostic tools and equipment, data communications networks, and service information. Upon completion, students should be able to perform diagnosis and repair.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [BIO094](#)

### **Concepts of Human Biology**

This course focuses on fundamental concepts of human biology. Topics include terminology, biochemistry, cell biology tissues, body systems, and other related topics. Upon completion, students should be able to demonstrate preparedness for college-level anatomy and physiology courses.

Lecture Hours:



3.00  
Lab Hours:  
2.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

6.1.14

## BIO110

### **Principles of Biology (CAA)**

This course provides a survey of fundamental biological principles for non-science majors. Emphasis is placed on basic chemistry, cell biology, metabolism, genetics, taxonomy, evolution, ecology, diversity, and other related topics. Upon completion, students should be able to demonstrate increased knowledge and better understanding of biology as it applies to everyday life.

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## BIO111

### **General Biology I (CAA)**

This course introduces the principles and concepts of biology. Emphasis is placed on basic biological chemistry, cell structure and function, metabolism and energy transformation, genetics, evolution, classification, and other related topics. Upon completion, students should be able to demonstrate understanding of life at the molecular and cellular levels.

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## BIO112

### **General Biology II (CAA)**

This course is a continuation of BIO 111. Emphasis is placed on organisms, biodiversity, plant and animal systems, ecology, and other related topics. Upon completion, students should be able to demonstrate comprehension of life at the organismal and ecological levels.

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## BIO140

### **Environmental Biology (CAA)**

This course introduces environmental processes and the influence of human activities upon them. Topics include ecological concepts, population growth, natural resources, and a focus on current environmental problems from scientific, social, political, and economic perspectives. Upon completion, students should be able to demonstrate an understanding of environmental interrelationships and of contemporary environmental issues.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:

3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [BIO140A](#)

### **Environmental Biology Lab (CAA)**

This course provides a laboratory component to complement BIO 140. Emphasis is placed on laboratory and field experience. Upon completion, students should be able to demonstrate a practical understanding of environmental interrelationships and of contemporary environmental issues.

Lecture Hours:  
0.00  
Lab Hours:  
3.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [BIO155](#)

### **Nutrition (CAA)**

This course covers the biochemistry of foods and nutrients with consideration of the physiological effects of specialized diets for specific biological needs. Topics include cultural, religious, and economic factors that influence a person's acceptance of food, as well as nutrient requirements of the various life stages. Upon completion, students should be able to identify the functions and sources of nutrients, the mechanisms of digestion, and the nutritional requirements of all age groups.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [BIO161](#)

### **Intro to Human Biology**

This course provides a basic survey of human biology. Emphasis is placed on the basic structure and function of body systems and the medical terminology used to describe normal and pathological states. Upon completion, students should be able to demonstrate an understanding of normal anatomy and physiology and the appropriate use of medical terminology.

Lecture Hours:  
3.00  
Lab Hours:  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [BIO163](#)

### **Basic Anatomy & Physiology (CAA)**

This course provides a basic study of the structure and function of the human body. Topics include a basic study of the body systems as well as an introduction to homeostasis, cells, tissues, nutrition, acid-base balance, and electrolytes. Upon completion, students should be able to demonstrate a basic understanding of the fundamental principles of anatomy and physiology and their interrelationships. It is highly recommended that a student enroll in BIO 094 prior to enrolling in this course if the student has not had high school anatomy and physiology.

Lecture Hours:  
4.00  
Lab Hours:  
2.00  
Credit Hours:  
5.00  
Day Semesters:

[BIO165](#)**Anatomy & Physiology I (CAA)**

This course is the first of a two-course sequence, which provides a comprehensive study of the anatomy and physiology of the human body. Topics include the structure, function, and interrelationship of organ systems with emphasis on the processes, which maintain homeostasis. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships. This course also includes the study of basic microbiology. It is highly recommended that a student enroll in BIO 094 prior to enrolling in this course if the student has not had high school anatomy and physiology.

Lecture Hours:

3.00

Lab Hours:

3.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

[BIO166](#)**Anatomy & Physiology II (CAA)**

This course is the second in a two-course sequence, which provides a comprehensive study of the anatomy and physiology of the human body. Topics include the structure, function, and interrelationship of organ systems with emphasis on the processes, which maintain homeostasis. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and the interrelationships of all body systems.

Lecture Hours:

3.00

Lab Hours:

3.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

[BIO242](#)**Natural Resource Conservation (CAA)**

This course describes the importance of natural resources and their role in our environment. Emphasis is placed on the physical, biological, and ecological principles underlying natural resource conservation with attention to the biological consequences of human impacts. Upon completion, students should be able to demonstrate an understanding of natural resource conservation.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

[BIO243](#)**Marine Biology**

This course covers the physical and biological components of the marine environment. Topics include major habitats, the diversity of organisms, their biology and ecology, marine productivity, and the use of marine resources by humans. Upon completion, students should be able to identify various marine habitats and organisms and to demonstrate a knowledge of their biology and ecology.

Lecture Hours:

3.00

Lab Hours:

3.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

### **Genetics (CAA)**

This course covers principles of prokaryotic and eukaryotic cell genetics. Emphasis is placed on the molecular basis of heredity, chromosome structure, patterns of Mendelian and non-Mendelian inheritance, evolution, and biotechnological applications. Upon completion, students should be able to recognize and describe genetic phenomena and demonstrate knowledge of important genetic principles.

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

### [BIO271](#)

### **Pathophysiology (CAA)**

This course provides an in-depth study of human pathological processes and their effects on homeostasis. Emphasis is placed on interrelationships among organ systems in deviations from homeostasis. Upon completion, students should be able to demonstrate a detailed knowledge of pathophysiology.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

### [BIO275](#)

### **Microbiology (CAA)**

This course covers principles of microbiology and the impact these organisms have on man and the environment. Topics include the various groups of microorganisms, their structure, physiology, genetics, microbial, pathogenicity, infectious diseases, immunology, and selected practical applications. Upon completion, students should be able to demonstrate knowledge and skills including microscopy, aseptic technique, staining, culture methods, and identification of microorganisms.

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

### [BPR111](#)

### **Blueprint Reading**

This course introduces the basic principles of blueprint reading. Topics include line types, orthographic projections, dimensioning methods, and notes. Upon completion, students should be able to interpret basic blueprints and visualize the features of a part.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

### [BUS110](#)

### **Introduction to Business (CAA)**

This course provides a survey of the business world. Topics include the basic principles and practices of contemporary business. Upon completion, students should be able to demonstrate an understanding of business concepts as a foundation for studying other business subjects.

6.1.14

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [BUS115](#)

### **Business Law I (CAA)**

This course introduces the ethics and legal framework of business. Emphasis is placed on contracts, negotiable instruments, Uniform Commercial Code, and the working of the court systems. Upon completion, students should be able to apply ethical issues and laws covered to selected business decision-making situations.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [BUS121](#)

### **Business Math**

This course covers fundamental mathematical operations and their application to business problems. Topics include payroll, pricing, interest and discount, commission, taxes, and other pertinent uses of mathematics in the field of business. Upon completion, students should be able to apply mathematical concepts to business.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [BUS137](#)

### **Principles of Management (CAA)**

This course is designed to be an overview of the major functions of management. Emphasis is placed on planning, organizing, controlling, directing, and communicating. Upon completion, students should be able to work as contributing members of a team utilizing these functions of management.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [BUS153](#)

### **Human Resource Management**

This course introduces the functions of personnel/human resource management within an organization. Topics include equal opportunity and the legal environment, recruitment and selection, performance appraisal, employee development, compensation planning, and employee relations. Upon completion, students should be able to anticipate and resolve human resource concerns.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [BUS217](#)

### **Employment Law & Regulation**

This course introduces the principal laws and regulations affecting public and private organizations and their employees or prospective employees. Topics include fair employment practices, EEO, affirmative action, and employee rights and protections. Upon completion, students should be able to evaluate organization policy for compliance and assure that decisions are not contrary to law.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [BUS225](#)

### **Business Finance**

This course provides an overview of business financial management. Emphasis is placed on financial statement analysis, time value of money, management of cash flow, risk and return, and sources of financing. Upon completion, students should be able to interpret and apply the principles of financial management.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [BUS234](#)

### **Training & Development**

This course covers developing, conducting, and evaluating employee training with attention to adult learning principles. Emphasis is placed on conducting a needs assessment, using various instructional approaches, designing the learning environment, and locating learning resources. Upon completion, students should be able to design, conduct, and evaluate a training program.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [BUS239](#)

### **Business Applications Seminar**

This course is designed as a capstone course for Business Administration majors. Emphasis is placed on decision making in the areas of management, marketing, production, purchasing, and finance. Upon completion, students should be able to apply the techniques, processes, and vital professional skills needed in the work place.

Lecture Hours:  
1.00  
Lab Hours:  
2.00

Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [BUS256](#)

### **Recruitment, Selection & Personnel Planning**

This course introduces the basic principles involved in managing the employment process. Topics include personnel planning, recruiting, interviewing and screening techniques, maintaining employee records; and voluntary and involuntary separations. Upon completion, students should be able to acquire and retain employees who match position requirements and fulfill organizational objectives. This course is a unique concentration requirement of the Human Resources Management concentration in the Business Administration program.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [BUS258](#)

### **Compensation & Benefits**

This course is designed to study the basic concepts of pay and its role in rewarding performance. Topics include wage and salary surveys, job analysis, job evaluation techniques, benefits, and pay-for-performance programs. Upon completion, students should be able to develop and manage a basic compensation system to attract, motivate, and retain employees. This course is a unique concentration requirement of the Human Resources Management concentration in the Business Administration program.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [BUS259](#)

### **Human Resource Management Applications**

This course provides students in the Human Resource Management concentration the opportunity to reinforce their learning experiences from preceding HRM courses. Emphasis is placed on application of day-to-day HRM functions by completing in-basket exercises and through simulations. Upon completion, students should be able to determine the appropriate actions called for by typical events that affect the status of people at work. This course is a unique concentration requirement of the Human Resources Management concentration in the Business Administration program.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [BUS260](#)

### **Business Communication**

This course is designed to develop skills in writing business communications. Emphasis is placed on business reports, correspondence, and professional presentations. Upon completion, students should be able to communicate effectively in the work place.

Lecture Hours:  
3.00  
Lab Hours:  
0.00

Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## BUS280

### **REAL Small Business**

This course introduces hands-on techniques and procedures for planning and opening a small business, including the personal qualities needed for entrepreneurship. Emphasis is placed on market research, finance, time management, and day-to-day activities of owning/operating a small business. Upon completion, students should be able to write and implement a viable business plan and seek funding.

Lecture Hours:  
4.00  
Lab Hours:  
0.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## CET161

### **Procedural Programming**

This course introduces procedural computer programming for engineering applications. Emphasis is placed on event-driven programming methods, including creating and manipulating data, sequencing, iteration, and blocking of code. Upon completion, students should be able to design, code, test, and debug at a beginning level.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## CHI111

### **Elementary Chinese I (CAA)**

This course introduces the fundamental elements of the Chinese language within a cultural context. Emphasis is placed on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written Chinese and demonstrate cultural awareness.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## CHI112

### **Elementary Chinese II (CAA)**

This course includes the basic fundamentals of the Chinese language within a cultural context of the Chinese people and its history. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written Chinese and demonstrate further cultural awareness.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00



## [CHI181](#)

### **Chinese Lab I (CAA)**

This course provides an opportunity to enhance acquisition of the fundamental elements of the Chinese language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of various supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written Chinese and demonstrate cultural awareness.

Lecture Hours:  
0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [CHI182](#)

### **Chinese Lab II (CAA)**

This course provides an opportunity to enhance acquisition of the fundamental elements of the Chinese language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of various supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written Chinese and demonstrate cultural awareness.

Lecture Hours:  
0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [CHM130](#)

### **General, Organic & Biochemistry (CAA)**

This course provides a survey of basic facts and principles of general, organic, and biochemistry. Topics include measurement, molecular structure, nuclear chemistry, solutions, acid-base chemistry, gas laws, and the structure, properties, and reactions of major organic and biological groups. Upon completion, students should be able to demonstrate and understanding of fundamental chemical concepts.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CHM130A](#)

### **General Organic & Biochemistry Lab (CAA)**

This course is a laboratory for CHM 130. Emphasis is placed on laboratory experiences that enhance materials presented in CHM 130. Upon completion, students should be able to utilize basic laboratory procedures and apply them to chemical principles presented in CHM 130.

Lecture Hours:  
0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

**Introduction to Chemistry (CAA)**

This course introduces the fundamental concepts of inorganic chemistry. Topics include measurement, matter and energy, atomic and molecular structure, nuclear chemistry, stoichiometry, chemical formulas and reactions, chemical bonding, gas laws, solutions, and acids and bases. Upon completion, students should be able to demonstrate a basic understanding of chemistry as it applies to other fields.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

[CHM131A](#)**Introduction to Chemistry Lab (CAA)**

This course is a laboratory to accompany CHM 131. Emphasis is placed on laboratory experiences that enhance materials presented in CHM 131. Upon completion, students should be able to utilize basic laboratory procedures and apply them to chemical principles presented in CHM 131.

Lecture Hours:

0.00

Lab Hours:

3.00

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

[CHM132](#)**Organic & Biochemistry (CAA)**

This course provides a survey of major functional classes of compounds in organic and biochemistry. Topics include structure, properties, and reactions of the major organic and biological molecules and basic principles of metabolism. Upon completion, students should be able to demonstrate an understanding of fundamental chemical concepts needed to pursue studies in related professional fields.

Lecture Hours:

3.00

Lab Hours:

3.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

[CHM151](#)**General Chemistry I (CAA)**

This course covers fundamental principles and laws of chemistry. Topics include measurement, atomic and molecular structure, periodicity, chemical reactions, chemical bonding, stoichiometry, thermochemistry, gas laws, and solutions. Upon completion, students should be able to demonstrate an understanding of fundamental chemical laws and concepts as needed in CHM 152.

Lecture Hours:

3.00

Lab Hours:

3.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

[CHM152](#)**General Chemistry II (CAA)**

This course provides a continuation of the study of the fundamental principles and laws of chemistry. Topics include kinetics, equilibrium, ionic and redox equations, acid-base theory, electrochemistry, thermodynamics, introduction to nuclear and organic chemistry, and complex ions. Upon completion, students should be able to demonstrate an understanding of chemical concepts as needed to pursue further study in chemistry and related professional fields.

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## CIM110

### **Registry Organization & Management**

This course provides an introduction to both hospital and central cancer registries. Emphasis is placed on legal issues and confidentially, standard-setting organizations, types of cancer registries; registry operations, including case ascertainment and disease registry files. Upon completion, students should be able to demonstrate an understanding of the management and organization of a cancer registry.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## CIM125

### **Cancer Disease Management**

This course provides an introduction to the pathophysiology of cancer. Emphasis is placed on major sites of cancer, diagnostic and staging procedures, treatment modalities, clinical trials and research protocols. Upon completion, students should be able to demonstrate an understanding of cancer as a disease process and its diagnosis and treatment.

Lecture Hours:  
3.00  
Lab Hours:  
2.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## CIM150

### **Oncology Coding & Staging Systems**

This course covers oncology coding and staging systems, including a general overview of the International Classification of Diseases for Oncology nomenclature and classification system. Emphasis is placed on major sites of cancer, diagnostic and staging procedures, treatment modalities, clinical trials and research protocols. Upon completion, students should be able to code oncology diagnoses and procedures using appropriate coding and sequencing conventions.

Lecture Hours:  
3.00  
Lab Hours:  
2.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## CIM211

### **Abstracting Principles & Practice I**

This course introduces the principles of cancer registry abstracting. Emphasis is placed on identification and selection of appropriate clinical information from medical records in a manner consistent with cancer registry regulatory requirements. Upon completion, students

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CIM212](#)

### **Abstracting Principles & Practice II**

This course is designed to apply the principles of cancer registry abstracting. Emphasis is placed on identification and selection of appropriate clinical information from medical records in a manner consistent with cancer registry regulatory requirements. Upon completion, students should be able to perform quality control edits to abstracted information to assure timeliness, completeness and accuracy of data.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CIM225](#)

### **Cancer Patient Follow-Up**

This course introduces cancer patient follow-up methodology. Emphasis is placed on confidentiality and ethical issues; identification of second primaries, recurrence and spread of disease; and survival data. Upon completion, students should be able to demonstrate an understanding of physician, patient and other follow-up resources and activities.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [CIM250](#)

### **Cancer Statistics & Epidemiology**

This course provides an introduction to cancer statistics. Emphasis is placed on descriptive and analytic epidemiology, cancer surveillance, annual report preparation, presentations of cancer data and special studies. Upon completion, students should be able to use cancer statistical data for marketing and strategic planning.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CIM275](#)

### **Professional Directed Practice**

This course provides supervised clinical experience in all aspects of cancer registry organization and operation. Emphasis is placed on the practical application of registry management, data collection processes, data utilization, computer applications management and quality improvement. Upon completion, students should be able to apply cancer information management theory to cancer registry practices.

Lecture Hours:  
0.00  
Lab Hours:  
12.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [CIS110](#)

### **Introduction to Computers (CAA)**

This course introduces computer concepts, including fundamental functions and operations of the computer. Topics include identification of hardware components, basic computer operations, security issues, and use of software applications. Upon completion, students should be able to demonstrate an understanding of the role and function of computers and use the computer to solve problems.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CIS111](#)

### **Basic PC Literacy**

This course provides an overview of computer concepts. Emphasis is placed on the use of personal computers and software applications for personal and fundamental workplace use. Upon completion, students should be able to demonstrate basic personal computer skills.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [CIS115](#)

### **Introduction to Programming & Logic (CAA)**

This course introduces computer programming and problem solving in a structured program logic environment. Topics include language syntax, data types, program organization, problem solving methods, algorithm design, and logic control structures. Upon completion, students should be able to manage files with operating system commands, use top-down algorithm design, and implement algorithmic solutions in a programming language.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CJC100](#)

### **Basic Law Enforcement Training**

Lecture Hours:  
Lab Hours:  
Credit Hours:  
Day Semesters:  
Evening Semesters:

## [CJC100](#)

## **Basic Law Enforcement Training**

This course covers the basic skills and knowledge needed for entry-level employment as a law enforcement officer in North Carolina. Topics are divided into general units of study: legal, patrol duties, law enforcement communications, investigations, practical application and sheriff-specific. Upon successful completion, the student will be able to demonstrate competence in topics and areas required for the state comprehensive certification examination. This is a certificate-level course.

Lecture Hours:  
9.00  
Lab Hours:  
30.00  
Credit Hours:  
19.00  
Day Semesters:  
Evening Semesters:

### [CJC111](#)

#### **Introduction to Criminal Justice (CAA)**

This course introduces the components and processes of the criminal justice system. Topics include history, structure, functions, and philosophy of the criminal justice system and their relationship to life in our society. Upon completion, students should be able to define and describe the major system components and their interrelationships and evaluate career options.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

### [CJC112](#)

#### **Criminology**

This course introduces deviant behavior as it relates to criminal activity. Topics include theories of crime causation; statistical analysis of criminal behavior; past, present, and future social control initiatives; and other related topics. Upon completion, students should be able to explain and discuss various theories of crime causation and societal response.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

### [CJC113](#)

#### **Juvenile Justice**

This course covers the juvenile justice system and related juvenile issues. Topics include an overview of the juvenile justice system, treatment and prevention programs, special areas and laws unique to juveniles, and other related topics. Upon completion, students should be able to identify/discuss juvenile court structure/procedures, function and jurisdiction of juvenile agencies, processing/detention of juveniles, and case disposition.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

### [CJC121](#)

#### **Law Enforcement Operations (CAA)**

This course introduces fundamental law enforcement operations. Topics include the contemporary evolution of law enforcement operations and related issues. Upon completion, students should be able to explain theories, practices, and issues related to law enforcement operations.

6.1.14

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CJC131](#)

### **Criminal Law**

This course covers the history/evolution/principles and contemporary applications of criminal law. Topics include sources of substantive law, classification of crimes, parties to crime, elements of crimes, matters of criminal responsibility, and other related topics. Upon completion, students should be able to discuss the sources of law and identify, interpret, and apply the appropriate statutes/elements.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CJC132](#)

### **Court Procedure & Evidence**

This course covers judicial structure/process/procedure from incident to disposition, kinds and degrees of evidence, and the rules governing admissibility of evidence in court. Topics include consideration of state and federal courts, arrest, search and seizure laws, exclusionary and statutory rules of evidence, and other related issues. Upon completion, students should be able to identify and discuss procedures necessary to establish a lawful arrest/search, proper judicial procedures, and the admissibility of evidence.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CJC141](#)

### **Corrections (CAA)**

This course covers the history, major philosophies, components, and current practices and problems of the field of corrections. Topics include historical evolution, functions of the various components, alternatives to incarceration, treatment programs, inmate control, and other related topics. Upon completion, students should be able to explain the various components, processes, and functions of the correctional system.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CJC160](#)

### **Terrorism: Underlying Issues**

This course identifies the fundamental reasons why America is a target for terrorists, covering various domestic/international terrorist groups and ideologies from a historical aspect. Emphasis is placed upon recognition of terrorist crime scene; weapons of mass

destruction; chemical, biological, and nuclear terrorism; and planning consideration involving threat assessments. Upon completion, the student should be able to identify and discuss the methods uses in terrorists' activities and complete a threat assessment for terrorists' incidents.

6.1.14

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CJC212](#)

### **Ethics & Community Relations**

This course covers ethical considerations and accepted standards applicable to criminal justice organizations and professionals. Topics include ethical systems; social change, values, and norms; cultural diversity; citizen involvement in criminal justice issues; and other related topics. Upon completion, students should be able to apply ethical considerations to the decision-making process in identifiable criminal justice situations.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CJC213](#)

### **Substance Abuse**

This course is a study of substance abuse in our society. Topics include the history and classifications of drug abuse and the social, physical, and psychological impact of drug abuse. Upon completion, students should be able to identify various types of drugs, their effects on human behavior and society, and treatment modalities.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CJC214](#)

### **Victimology**

This course introduces the study of victims. Emphasis is placed on roles/characteristics of victims, victim interaction with the criminal justice system and society, current victim assistance programs, and other related topics. Upon completion, students should be able to discuss and identify victims, the uniqueness of victims' roles, and current victim assistance programs.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CJC215](#)

### **Organization & Administration**

This course introduces the components and functions of organization and administration as it applies to the agencies of the criminal justice system. Topics include operations/functions of organizations; recruiting, training, and retention of personnel; funding and budgeting; communications; span of control and discretion; and other related topics. Upon completion, students should be able to identify



and discuss the basic components and functions of a criminal justice organization and its administrative operations.

6.1.14

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CJC221](#)

### **Investigative Principles**

This course introduces the theories and fundamentals of the investigative process. Topics include crime scene/incident processing, information gathering techniques, collection/preservation of evidence, preparation of appropriate reports, court presentations, and other related topics. Upon completion, students should be able to identify, explain, and demonstrate the techniques of the investigative process, report preparation, and courtroom presentation.

Lecture Hours:  
3.00  
Lab Hours:  
2.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [CJC222](#)

### **Criminalistics**

This course covers the functions of the forensic laboratory and its relationship to successful criminal investigations and prosecutions. Topics include advanced crime scene processing, investigative techniques, current forensic technologies, and other related topics. Upon completion, students should be able to identify and collect relevant evidence at simulated crime scenes and request appropriate laboratory analysis of submitted evidence.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CJC223](#)

### **Organized Crime**

This course introduces the evolution of traditional and non-traditional organized crime and its effect on society and the criminal justice system. Topics include identifying individuals and groups involved in organized crime, areas of criminal activity, legal and political responses to organized crime, and other related topics. Upon completion, students should be able to identify the groups and activities involved in organized crime and the responses of the criminal justice system.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CJC231](#)

### **Constitutional Law**

The course covers the impact of the Constitution of the United States and its amendments on the criminal justice system. Topics include the structure of the Constitution and its amendments, court decisions pertinent to contemporary criminal justice issues, and other related topics. Upon completion, students should be able to identify/discuss the basic structure of the United States Constitution and the

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## CJC232

### **Civil Liability**

This course covers liability issues for the criminal justice professional. Topics include civil rights violations, tort liability, employment issues, and other related topics. Upon completion, students should be able to explain civil trial procedures and discuss contemporary liability issues.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## CJC250

### **Forensic Biology I**

This course covers important biological principles that are applied in the crime laboratory. Topics include forensic toxicology, forensic serology, microscopy, and DNA typing analysis, with an overview of organic and inorganic analysis. Upon completion, students should be able to articulate how a crime laboratory processes physical evidence submitted by law enforcement agencies.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## COE111

### **Co-Op Work Experience I**

This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Lecture Hours:  
0.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## COE112

### **Co-Op Work Experience I**

This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Lecture Hours:  
0.00

Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [COE113](#)

### **Co-Op Work Experience I**

This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Lecture Hours:  
0.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [COE115](#)

### **Work Experience Seminar I**

This course provides a seminar component preceding COE 111 Co-op Work Experience I. Topics include conflict management, ethical issues, as well as other issues that may arise during the work experience. Upon completion, students should be able to experience a successful cooperative work experience.

Lecture Hours:  
1.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [COE121](#)

### **Co-Op Work Experience II**

This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Lecture Hours:  
0.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [COE122](#)

### **Co-Op Work Experience IV**

This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Lecture Hours:  
0.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00

## COE132

### **Co-Op Work Experience III**

This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Lecture Hours:

0.00

Lab Hours:

0.00

Credit Hours:

2.00

Day Semesters:

Evening Semesters:

## COE211

### **Co-Op Work Experience IV**

This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Lecture Hours:

Lab Hours:

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

## COE212

### **Co-Op Work Experience IV**

This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Lecture Hours:

0.00

Lab Hours:

0.00

Credit Hours:

2.00

Day Semesters:

Evening Semesters:

## COM120

### **Interpersonal Communication (CAA)**

This course introduces the practices and principles of interpersonal communication in both dyadic and group settings. Emphasis is placed on the communication process, perception, listening, self-disclosure, speech apprehension, ethics, nonverbal communication, conflict, power, and dysfunctional communication relationships. Upon completion, students should be able to demonstrate interpersonal communication skills, apply basic principles of group discussion, and manage conflict in interpersonal communication situations.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Fall, Spring, Summer

Evening Semesters:

Fall, Spring

## Public Speaking (CAA)

This course provides instruction and experience in preparation and delivery of speeches within a public setting and group discussion. Emphasis is placed on research, preparation, delivery, and evaluation of informative, persuasive, and special occasion public speaking. Upon completion, students should be able to prepare and deliver well-organized speeches and participate in group discussion with appropriate audiovisual support.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Fall, Spring, Summer

Evening Semesters:

Spring

## [COS111](#)

### Cosmetology Concepts I

This course introduces basic cosmetology concepts. Topics include safety, first aid, sanitation, bacteriology, anatomy, diseases and disorders, hygiene, product knowledge, chemistry, ethics, manicures, and other related topics. Upon completion, students should be able to safely and competently apply cosmetology concepts in the salon setting.

Lecture Hours:

4.00

Lab Hours:

0.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

## [COS111A](#)

### Cosmetology Concepts I

This course introduces basic cosmetology concepts. Topics include safety, first aid, sanitation, bacteriology, anatomy, diseases and disorders, hygiene, and other related topics. Upon completion, students should be able to safely and competently apply cosmetology concepts in the salon setting. This course covers one-half of content in COS 111.

Lecture Hours:

2.00

Lab Hours:

0.00

Credit Hours:

2.00

Day Semesters:

Evening Semesters:

Fall, Spring

## [COS111B](#)

### Cosmetology Concepts I

This course introduces basic cosmetology concepts. Topics include safety, first aid, sanitation, bacteriology, anatomy, diseases and disorders, hygiene and other related topics. Upon completion, students should be able to safely and competently apply cosmetology concepts in the salon setting. This course covers one-half of content in COS 111.

Lecture Hours:

2.00

Lab Hours:

0.00

Credit Hours:

2.00

Day Semesters:

Fall, Spring

Evening Semesters:

**Salon I**

This course introduces basic salon services. Topics include scalp treatments, shampooing, rinsing, hair color, design, haircutting, permanent waving, pressing, relaxing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate salon services.

Lecture Hours:  
0.00  
Lab Hours:  
24.00  
Credit Hours:  
8.00  
Day Semesters:  
Evening Semesters:

[COS112A](#)**Salon I**

This course introduces basic salon services. Topics include scalp treatments, shampooing, rinsing, hair color, design, haircutting, permanent waving, pressing, relaxing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate salon services. This course covers one-half of content included in COS 112.

Lecture Hours:  
0.00  
Lab Hours:  
12.00  
Credit Hours:  
4.00  
Day Semesters:  
Fall, Spring  
Evening Semesters:  
Fall, Spring

[COS112B](#)**Salon I**

Fall, Spring

Lecture Hours:  
0.00  
Lab Hours:  
12.00  
Credit Hours:  
4.00  
Day Semesters:  
Fall, Spring  
Evening Semesters:

[COS113](#)**Cosmetology Concepts II**

This course covers more comprehensive cosmetology concepts. Topics include safety, product knowledge, chemistry, manicuring, chemical restructuring, and hair coloring. Upon completion, students should be able to safely and competently apply these cosmetology concepts in the salon setting.

Lecture Hours:  
4.00  
Lab Hours:  
0.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

[COS113A](#)**Cosmetology Concepts II**

This course covers more comprehensive cosmetology concepts. Topics include safety, product knowledge, chemistry, and manicuring. Upon completion, students should be able to safely and competently apply these cosmetology concepts in the salon setting. This course covers one-half of content in COS 113.

6.1.14

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [COS113B](#)

### **Cosmetology Concepts II**

This course covers more comprehensive cosmetology concepts. Topics include safety, product knowledge, chemistry, and manicuring. Upon completion, students should be able to safely and competently apply these cosmetology concepts in the salon setting. This course covers one-half of content in COS 113.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [COS114](#)

### **Salon II**

This course provides experience in a simulated salon setting. Topics include basic skin care, manicuring, nail application, scalp treatments, shampooing, rinsing, hair color, design, haircutting, chemical restructuring, pressing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services.

Lecture Hours:  
0.00  
Lab Hours:  
24.00  
Credit Hours:  
8.00  
Day Semesters:  
Evening Semesters:

## [COS114A](#)

### **Salon II**

This course provides experience in a simulated salon setting. Topics include basic skin care, manicuring, nail application, scalp treatments, shampooing, rinsing, hair color, design, haircutting, chemical restructuring, pressing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services. This course covers one-half of content in COS 114.

Lecture Hours:  
0.00  
Lab Hours:  
12.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [COS114B](#)

### **Salon II**

This course provides experience in a simulated salon setting. Topics include basic skill care, manicuring, nail application, scalp treatments, shampooing, rinsing, hair color, design, haircutting, chemical restructuring, pressing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services. This course covers one-half of content in

Lecture Hours:  
0.00  
Lab Hours:  
12.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [COS115](#)

### **Cosmetology Concepts III**

This course covers more comprehensive cosmetology concepts. Topics include safety, product knowledge, salon management, salesmanship, skin care, electricity/light therapy, wigs, thermal hair styling, lash and brow tinting, superfluous hair removal, and other related topics. Upon completion, students should be able to safely and competently apply these cosmetology concepts in the salon setting.

Lecture Hours:  
4.00  
Lab Hours:  
0.00  
Credit Hours:  
4.00  
Day Semesters:  
Summer  
Evening Semesters:

## [COS115A](#)

### **Cosmetology Concepts II**

This course covers more comprehensive cosmetology concepts. Topics include safety, product knowledge, salon management, salesmanship, skin care, electricity/light therapy, wigs, thermal hair styling, lash and brow tinting, superfluous hair removal, and other related topics. Upon completion, students should be able to safely and competently apply these cosmetology concepts in the salon setting. This course covers one-half of content in COS 115.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:  
Summer

## [COS115B](#)

### **Cosmetology Concepts II**

This course covers more comprehensive cosmetology concepts. Topics include safety, product knowledge, salon management, salesmanship, skin care, electricity/light therapy, wigs, thermal hair styling, lash and brow tinting, superfluous hair removal, and other related topics. Upon completion, students should be able to safely and competently apply these cosmetology concepts in the salon setting. This course covers one half of content in COS 115.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:  
Summer

## [COS116](#)

### **Salon III**

This course provides comprehensive experience in a simulated salon setting. Emphasis is placed on intermediate-level of skin care,



manicuring, scalp treatments, shampooing, hair color, design, haircutting, chemical restructuring, pressing, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services.

6.1.14

Lecture Hours:  
0.00  
Lab Hours:  
12.00  
Credit Hours:  
6.00  
Day Semesters:  
Summer  
Evening Semesters:

## [COS116A](#)

### **Salon III**

This course provides comprehensive experience in a simulated salon setting. Emphasis is placed on intermediate-level of skin care, manicuring, scalp treatments, shampooing, hair color, design, haircutting, chemical restructuring, pressing, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services. This course covers one-half of content in COS 116.

Lecture Hours:  
0.00  
Lab Hours:  
6.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:  
Summer

## [COS116B](#)

### **Salon III**

This course provides comprehensive experience in a simulated salon setting. Emphasis is placed on intermediate-level of skin care, manicuring, scalp treatments, shampooing, hair color, design, haircutting, chemical restructuring, pressing, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services. This course covers one-half of content in COS 116.

Lecture Hours:  
0.00  
Lab Hours:  
6.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:  
Summer

## [COS117](#)

### **Cosmetology Concepts IV**

This course covers advanced cosmetology concepts. Topics include chemistry and hair structure, advanced cutting and design, and an overview of all cosmetology concepts in preparation for the licensing examination. Upon completion, students should be able to demonstrate an understanding of these cosmetology concepts and meet program completion requirements.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [COS117A](#)

### **Cosmetology Concepts IV**

This course covers advanced cosmetology concepts. Topics include chemistry and hair structure, advanced cutting and design, and an overview of all cosmetology concepts in preparation for the licensing examination. Upon completion, students should be able to demonstrate an understanding of these cosmetology concepts and meet program completion requirements. This course covers one half of the content in COS 117. 6.1.14

Lecture Hours:  
1.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [COS117B](#)

### **Cosmetology Concepts IV**

This course covers advanced cosmetology concepts. Topics include chemistry and hair structure, advanced cutting and design, and an overview of all cosmetology concepts in preparation for the licensing examination. Upon completion, students should be able to demonstrate an understanding of these cosmetology concepts and meet program completion requirements. This course covers one half of the content in COS 117.

Lecture Hours:  
1.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [COS118](#)

### **Salon IV**

This course provides advanced experience in a simulated salon setting. Emphasis is placed on efficient and competent delivery of all salon services in preparation for the licensing examination and employment. Upon completion, students should be able to demonstrate competence in program requirements and the areas covered on the Cosmetology Licensing Examination and meet entry-level employment requirements.

Lecture Hours:  
0.00  
Lab Hours:  
21.00  
Credit Hours:  
7.00  
Day Semesters:  
Evening Semesters:

## [COS118A](#)

### **Salon IV**

This course provides advanced experience in a simulated salon setting. Emphasis is placed on efficient and competent delivery of all salon services in preparation for the licensing examination and employment. Upon completion, students should be able to demonstrate competence in program requirements and the areas covered on the Cosmetology Licensing Examination and meet entry-level employment requirements. This course covers one-half of course content in COS 118.

Lecture Hours:  
0.00  
Lab Hours:  
12.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [COS118B](#)

### **Salon IV**

This course provides advanced experience in a simulated salon setting. Emphasis is placed on efficient and competent delivery of all salon services in preparation for the licensing examination and employment. Upon completion, students should be able to demonstrate competence in program requirements and the areas covered on the Cosmetology Licensing Examination and meet entry-level employment requirements. This course covers one-half of course content in COS 118. 6.1.14

Lecture Hours:  
0.00  
Lab Hours:  
9.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [COS119](#)

### **Esthetics Concepts I**

This course covers the concepts of esthetics. Topics include orientation, anatomy, physiology, hygiene, sterilization, first aid, chemistry, basic dermatology, and professional ethics. Upon completion, students should be able to demonstrate an understanding of the concepts of esthetics and meet course requirements.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Fall  
Evening Semesters:

## [COS119A](#)

### **Esthetics Concepts I**

This course covers the concepts of esthetics. Topics include orientation, anatomy, physiology, hygiene, sterilization, first aid, chemistry, basic dermatology, and professional ethics. This course covers one-half of content in COS 119.

Lecture Hours:  
1.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [COS119B](#)

### **Esthetics Concepts I**

This course covers the concepts of esthetics. Topics include orientation, anatomy, physiology, hygiene, sterilization, first aid, chemistry, basic dermatology, and professional ethics. This course covers one-half of content in COS 119.

Lecture Hours:  
1.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [COS120](#)

### **Esthetics Salon I**

This course covers the techniques of esthetics in a comprehensive experience in a simulated salon setting. Topics include client consultation, facials, body treatments, hair removal, make-up applications, and color analysis.

Lecture Hours:

0.00  
Lab Hours:  
18.00  
Credit Hours:  
6.00  
Day Semesters:  
Fall  
Evening Semesters:

6.1.14

## [COS120A](#)

### **Esthetics Salon I**

This course covers the techniques of esthetics in a comprehensive experience in a simulated salon setting. Topics include client consultation, facials, body treatments, hair removal, make-up applications, and color analysis. This course covers one-half of content in COS 120.

Lecture Hours:  
0.00  
Lab Hours:  
18.00  
Credit Hours:  
6.00  
Day Semesters:  
Evening Semesters:

## [COS120B](#)

### **Esthetics Salon I**

This course covers the techniques of esthetics in a comprehensive experience in a simulated salon setting. Topics include client consultation, facials, body treatments, hair removal, make-up applications, and color analysis. This course covers one-half of content in COS 120.

Lecture Hours:  
0.00  
Lab Hours:  
18.00  
Credit Hours:  
6.00  
Day Semesters:  
Evening Semesters:

## [COS125](#)

### **Esthetics Concepts II**

This course covers more comprehensive esthetics concepts. Topics include nutrition, business management, makeup, and color analysis. Upon completion, students should be able to demonstrate an understanding of the advanced esthetics concepts and meet course requirements.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Spring  
Evening Semesters:

## [COS125A](#)

### **Esthetics Concepts II**

This course covers more comprehensive esthetics concepts. Topics include nutrition, business management, makeup, and color analysis. This course covers one-half of content in COS 125.

Lecture Hours:  
1.00  
Lab Hours:  
0.00

Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [COS125B](#)

### **Esthetics Concepts II**

This course covers more comprehensive esthetics concepts. Topics include nutrition, business management, makeup, and color analysis. This course covers one-half of content in COS 125.

Lecture Hours:  
1.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [COS126](#)

### **Esthetics Salon II**

This course provides experience in a simulated esthetics setting. Topics include machine facials, aromatherapy, massage therapy, electricity, and apparatus. Upon completion, students should be able to demonstrate competence in program requirements and the areas covered in the Cosmetology Licensing Examination for Estheticians.

Lecture Hours:  
0.00  
Lab Hours:  
18.00  
Credit Hours:  
6.00  
Day Semesters:  
Spring  
Evening Semesters:

## [COS126A](#)

### **Esthetics Salon II**

This course provides experience in a simulated esthetics setting. Topics include machine facials, aromatherapy, massage therapy, electricity, and apparatus. This course covers one-half of content in COS 126.

Lecture Hours:  
0.00  
Lab Hours:  
9.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [COS126B](#)

### **Esthetics Salon II**

This course provides experience in a simulated esthetics setting. Topics include machine facials, aromatherapy, massage therapy, electricity, and apparatus. This course covers one-half of content in COS 126.

Lecture Hours:  
0.00  
Lab Hours:  
9.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [COS223](#)

## **Contemporary Hair Coloring**

This course covers basic color concepts, hair coloring problems, and application techniques. Topics include color theory, terminology, contemporary techniques, product knowledge, and other related topics. Upon completion, students should be able to identify a client's color needs and safely and competently perform color applications and correct problems.

Lecture Hours:

1.00

Lab Hours:

3.00

Credit Hours:

2.00

Day Semesters:

Evening Semesters:

## [COS250](#)

### **Computerized Salon Operations**

This course introduces computer and salon software. Emphasis is placed on various computer and salon software applications. Upon completion, students should be able to utilize computer skills and software applications in the salon setting.

Lecture Hours:

1.00

Lab Hours:

0.00

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

## [CSC133](#)

### **C Programming**

This course introduces computer programming using the C programming language with structured programming principles. Topics include input/output operations, iteration, arithmetic operations, arrays, pointers, filters, and other related topics. Upon completion, students should be able to design, code, test and debug at a beginning level.

Lecture Hours:

2.00

Lab Hours:

3.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [CSC151](#)

### **Java Programming**

This course introduces computer programming using the JAVA programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion students should be able to design, code, test, debug JAVA language programs.

Lecture Hours:

2.00

Lab Hours:

3.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [CSC220](#)

### **Computing Fundamentals**

Lecture Hours:

Lab Hours:

Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [CTI110](#)

### **Web, Programming, and Database Foundations**

This course covers the introduction of the tools and resources available to students in programming, mark-up language and services on the Internet. Topics include standard mark-up language Internet services, creating web pages, using search engines, file transfer programs; and database design and creation with DBMS products. Upon completion students should be able to demonstrate knowledge of programming tools, deploy a web-site with mark-up tools, and create a simple database table.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CTI120](#)

### **Network & Security Foundation**

This course introduces students to the Network concepts, including networking terminology and protocols, local and wide area networks, and network standards. Emphasis is placed on securing information systems and the various implementation policies. Upon completion, students should be able to perform basic tasks related to networking mathematics, terminology, media and protocols.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CTS080](#)

### **Computing Fundamentals**

This course covers fundamental functions and operations of the computer. Topics include identification of components and basic computer operations including introduction to operating systems, the Internet, web browsers, and communication using World Wide Web. Upon completion, students should be able to operate computers, access files, print documents and perform basic applications operations.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CTS115](#)

### **Information Systems Business Concepts**

The course introduces the role of IT in managing business processes and the need for business process and IT alignment. Emphasis is placed on industry need for understanding business challenges and developing/managing information systems to contribute to the decision making process based on these challenges. Upon completion, students should be able to demonstrate knowledge of the 'hybrid business manager' and the potential offered by new technology and systems.

Lecture Hours:  
23.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00

## [CTS120](#)

### **Hardware/Software Support**

This course covers the basic hardware of a personal computer, including installation, operations and interactions with software. Topics include component identification, memory-system, peripheral installation and configuration, preventive maintenance, hardware diagnostics/repair, installation and optimization of system software, commercial programs, system configuration, and device-drivers. Upon completion, students should be able to select appropriate computer equipment and software, upgrade/maintain existing equipment and software, and troubleshoot/repair non-functioning personal computers.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CTS130](#)

### **Spreadsheet**

This course introduces basic spreadsheet design and development. Topics include writing formulas, using functions, enhancing spreadsheets, creating charts, and printing. Upon completion, students should be able to design and print basic spreadsheets and charts.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CTS220](#)

### **Advanced Hardware/Software Support**

This course provides advanced knowledge and competencies in hardware and operating system technologies for computer technicians to support personal computers. Emphasis is placed on: configuring and upgrading; diagnosis and troubleshooting; as well as preventive maintenance of hardware and system software. Upon completion, students should be able to install, configure, diagnose, perform preventive maintenance, and maintain basic networking on personal computers.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [CTS230](#)

### **Advanced Spreadsheet**

This course covers advanced spreadsheet design and development. Topics include advanced functions and statistics, charting, macros, databases, and linking. Upon completion, students should be able to demonstrate competence in designing complex spreadsheets.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:



## Systems Analysis & Design

This course introduces established and evolving methodologies for the analysis, design, and development of an information system. Emphasis is placed on system characteristics, managing projects, prototyping, CASE/OOM tools, and systems development life cycle phases. Upon completion, students should be able to analyze a problem and design an appropriate solution using a combination of tools and techniques.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

[CTS289](#)

## System Support Project

This course provides an opportunity to complete a significant support project with minimal instructor assistance. Emphasis is placed on written and oral communication skills, project definition, documentation, installation, testing, presentation, and user training. Upon completion, students should be able to complete a project from the definition phase through implementation.

Lecture Hours:  
1.00  
Lab Hours:  
4.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

[DBA110](#)

## Database Concepts

This course introduces database design and creation using a DBMS product. Emphasis is placed on data dictionaries, normalization, data integrity, data modeling, and creation of simple tables, queries, reports, and forms. Upon completion, students should be able to design and implement normalized database structures by creating simple database tables, queries, reports, and forms.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

[DBA115](#)

## Database Applications

This course applies concepts learned in DBA 110 to a specific DBMS. Topics include manipulating multiple tables, advanced queries, screens and reports, linking, and command files. Upon completion, students should be able to create multiple table systems that demonstrate updates, screens, and reports representative of industry requirements.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

[DDF211](#)

## Design Process I

This course emphasizes design processes for finished products. Topics include data collection from manuals and handbooks, efficient use of materials, design sketching, specification, and vendor selection. Upon completion, students should be able to research and plan the design process for a finished product.

6.1.14

Lecture Hours:  
1.00  
Lab Hours:  
6.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [DDF212](#)

### **Design Process II**

This course stresses the integration of various design practices. Emphasis is placed on the creation of an original design. Upon completion, students should be able to apply engineering graphics and design procedures to a design project.

Lecture Hours:  
1.00  
Lab Hours:  
6.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [DFT121](#)

### **Introduction to GD&T**

This course introduces basic geometric dimensioning and tolerancing principles. Topics include symbols, annotation, theory, and applications. Upon completion, students should be able to interpret and apply basic geometric dimensioning and tolerancing principles to drawings.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [DFT151](#)

### **CAD I**

This course introduces CAD software as a drawing tool. Topics include drawing, editing, file management, and plotting. Upon completion, students should be able to produce and plot a CAD drawing.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [DFT152](#)

### **CAD II**

This course introduces extended CAD applications. Emphasis is placed upon intermediate applications of CAD skills. Upon completion, students should be able to use advanced CAD applications to generate and manage data.

Lecture Hours:  
2.00  
Lab Hours:

3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## DFT161

### **Patter Design & Layout**

This course covers the layout of sheet metal and pipefittings. Topics include the development of patterns and templates for metalworking industries. Upon completion, students should be able to develop, sketch, produce, and angle layouts.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## DFT231

### **Jig & Fixture Design**

This course introduces the study of jigs and fixtures. Topics include different types, components, and uses of jigs and fixtures. Upon completion, students should be able to analyze, design, and complete a set of working drawings for a jig or fixture.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## DFT254

### **Intermediate Solid Model/Render**

This course presents a continuation of basic three-dimensional solid modeling and design software. Topics include advanced study of parametric design, creation, editing, rendering and analysis of solid model assemblies, and multiview drawing generation. Upon completion, students should be able to use parametric design techniques to create and analyze the engineering design properties of a model assembly.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## DMA010

### **Operations With Integers**

This course provides a conceptual study of integers and integer operations. Topics include integers, absolute value, exponents, square roots, perimeter and area of basic geometric figures, Pythagorean theorem, and use of the correct order of operations. Upon completion, students should be able to demonstrate an understanding of pertinent concepts and principles and apply this knowledge in the evaluation of expressions.

Lecture Hours:  
0.75  
Lab Hours:  
0.50  
Credit Hours:  
1.00  
Day Semesters:

[DMA020](#)**Fractions and Decimals**

This course provides a conceptual study of the relationship between fractions and decimals and covers related problems. Topics include application of operations and solving contextual application problems, including determining the circumference and area of circles with the concept of pi. Upon completion, students should be able to demonstrate an understanding of the connections between fractions and decimals.

Lecture Hours:

0.75

Lab Hours:

0.50

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

[DMA030](#)**Proportion/Ratio/Rate/Percent**

This course provides a conceptual study of the problems that are represented by rates, ratios, percent, and proportions. Topics include rates, ratios, percent, proportion, conversion of English and metric units, and applications of the geometry of similar triangles. Upon completion, students should be able to use their understanding to solve conceptual application problems.

Lecture Hours:

0.75

Lab Hours:

0.50

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

[DMA040](#)**Express/Lin Equal/Inequal**

This course provides a conceptual study of problems involving linear expressions, equations, and inequalities. Emphasis is placed on solving contextual application problems. Upon completion, students should be able to distinguish between simplifying expressions and solving equations and apply this knowledge to problems involving linear expressions, equations, and inequalities.

Lecture Hours:

0.75

Lab Hours:

0.50

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

[DMA050](#)**Graphs, Equations of Lines**

This course provides a conceptual study of problems involving graphic and algebraic representations of lines. Topics include slope, equations of lines, interpretation of basic graphs, and linear modeling. Upon completion, students should be able to solve contextual application problems and represent real-world situations as linear equations in two variables.

Lecture Hours:

0.75

Lab Hours:

0.50

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

[DMA060](#)

## **Polynomial/Quadratic Applications**

This course provides a conceptual study of problems involving graphic and algebraic representations of quadratics. Topics include basic polynomial operations, factoring polynomials, and solving polynomial equations by means of factoring. Upon completion, students should be able to find algebraic solutions to contextual problems with quadratic applications.

Lecture Hours:

0.75

Lab Hours:

0.50

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

### [DMA070](#)

## **Rational Expression/Equation**

This course provides a conceptual study of problems involving graphic and algebraic representation of rational equations. Topics include simplifying and performing operations with rational expressions and equations, understanding the domain, and determining the reasonableness of an answer. Upon completion, students should be able to find algebraic solutions to contextual problems with rational applications.

Lecture Hours:

0.75

Lab Hours:

0.50

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

### [DMA080](#)

## **Radical Expression/Equation**

This course provides a conceptual study of the manipulation of radicals and the application of radical equations to real-world problems. Topics include simplifying and performing operation with radical expressions and rational exponents, solving equations and determining the reasonableness of an answer. Upon completion, students should be able to find algebraic solutions to contextual problems with radical applications.

Lecture Hours:

0.75

Lab Hours:

0.50

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

### [DME110](#)

## **Introduction to Digital Media**

This course introduces students to key concepts, technologies, and issues related to digital media. Topics include emerging standards, key technologies and related design issues, terminology, media formats, career paths, and ethical issues. Upon completion, students should be able to demonstrate the various media formats that are used in digital media technology.

Lecture Hours:

2.00

Lab Hours:

2.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

### [DME115](#)

## **Graphic Design Tools**

This course provides students with an introduction to creative expression and art/design techniques in a digital environment. Emphasis is placed on designing, creating, editing and integrating visual components consisting of bit-mapped and vector-based images, drawings, banners, text, simple animations, and multiple layers. Upon completion, students should be able to design and produce a range of visual products using digital processing techniques.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [DME120](#)

### **Intro to Multimedia Appl.**

This course introduces storyboarding and multimedia application design. Topics include vector and bit-mapped graphics, interactive multimedia interfaces, layering techniques, image and animation libraries, and scripting. Upon completion, students should be able to produce basic high-quality interactive multimedia applications.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [DME130](#)

### **Digital Animation I**

This course introduces concepts for planning and developing animation sequences. Emphasis will be placed on review of digital animation concepts and exploration of various animation software packages. Upon completion, students should be able to produce simple animations.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [DME140](#)

### **Intro to Audio/Video Media**

This course is designed to teach students how to manipulate digital and audio content for multimedia applications. Topics include format conversion and a review of current technologies and digital formats. Upon completion, students should be able to modify existing audio and video content to meet a range of production requirements associated with digital media applications.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
Day Semesters:  
Evening Semesters:

## [DME285](#)

### **Systems Project**

This course provides an opportunity to complete a significant digital media project from the design phase through implementation with minimal instructor support. Emphasis is placed on project definition, testing, presentation, and implementation. Upon completion, students should be able to complete, maintain and implement a digital media project.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [DRE096](#)

### **Integrated Reading and Writing**

This course is designed to develop proficiency in specific integrated and contextualized reading and writing skills and strategies. Topics include reading and writing processes, critical thinking strategies, and recognition and composition of well-developed, coherent, and unified texts; these topics are primarily taught at the introductory level using texts primarily in a Lexile (TM) range of 960 to 1115. Upon completion, students should be able to apply those skills toward understanding a variety of academic and career-related texts and composing effective paragraphs. Note: (TM) represents registered trademark.

Lecture Hours:  
2.50  
Lab Hours:  
1.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [DRE097](#)

### **Integrated Reading Writing II**

This course is designed to develop proficiency in integrated and contextualized reading and writing skills and strategies. Topics include reading and writing processes, critical thinking strategies, and recognition and composition of well-developed, coherent, and unified texts; except where noted, these topics are taught at a reinforcement level using texts primarily in a Lexile (TM) range of 1070 to 1220. Upon completion, students should be able to demonstrate and apply those skills toward understanding a variety of complex academic and career texts and composing essays incorporating relevant, valid evidence. Note: (TM) represents registered trademark.

Lecture Hours:  
2.50  
Lab Hours:  
1.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [DRE098](#)

### **Integrated Reading and Writing III**

This course is designed to develop proficiency in integrated and contextualized reading and writing skills and strategies. Topics include reading and writing processes, critical thinking strategies, and recognition and composition of well-developed, coherent, and unified texts; these topics are taught using texts primarily in the Lexile (TM) range of 1185 to 1385. Upon completion, students should be able to apply those skills toward understanding a variety of texts at the career and college ready level and toward composing a documented essay. Note: (TM) represents registered trademark.

Lecture Hours:  
2.50  
Lab Hours:  
1.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [ECO151](#)

### **Survey of Economics (CAA)**

This course introduces basic concepts of micro- and macroeconomics. Topics include supply and demand, optimizing economic behavior, prices and wages, money, interest rates, banking system, unemployment, inflation, taxes, government spending, and international trade.

Upon completion, students should be able to explain alternative solutions for economic problems faced by private and government sectors.

6.1.14

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [ECO251](#)

### **Principles of Microeconomics (CAA)**

This course introduces economic analysis of individual, business, and industry choices in the market economy. Topics include the price mechanism, supply and demand, optimizing economic behavior, costs and revenue, market structures, factor markets, income distribution, market failure, and government intervention. Upon completion, students should be able to identify and evaluate consumer and business alternatives in order to efficiently achieve economic objectives.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [ECO252](#)

### **Principles of Macroeconomics (CAA)**

This course introduces economic analysis of aggregate employment, income, and prices. Topics include major schools of economic thought; aggregate supply and demand; economic measures, fluctuations, and growth; money and banking; stabilization techniques; and international trade. Upon completion, students should be able to evaluate national economic components, conditions, and alternatives for achieving socioeconomic goals.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [EDU119](#)

### **Introduction to Early Childhood Education**

This course covers the foundations of the education profession, the diverse educational settings for young children, professionalism and planning developmentally appropriate programs for all children. Topics include historical foundations, program types, career options, professionalism and creating inclusive environments and curriculum responsive needs of all children and families. Upon completion, students should be able to design career plans and develop schedules, environments and activity plans appropriate for all children.

Lecture Hours:  
4.00  
Lab Hours:  
0.00  
Credit Hours:  
4.00  
Day Semesters:  
Fall  
Evening Semesters:

## [EDU131](#)

### **Child, Family & Community**

This course covers the development of partnerships between culturally and linguistically diverse families, children, schools and



communities. Emphasis is placed on developing skills and identifying benefits for establishing, supporting, and maintaining respectful, collaborative relationships between diverse families, programs/schools, and community agencies/resources. Upon completion, students should be able to explain appropriate relationships between families, educators, and professionals that enhance development and educational experiences of all children.

6.1.14

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Spring  
Evening Semesters:

## [EDU144](#)

### **Child Development I**

This course includes the theories of child development, needs, milestones, and factors that influence development from conception through approximately 36 months. Emphasis is placed on developmental sequences in physical/motor, emotional/social, cognitive, and language domains and the impact of multiple influences on development and learning. Upon completion, students should be able to compare/contrast typical/atypical developmental characteristics, explain environmental factors that impact development, and identify strategies for enhancing development.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall  
Evening Semesters:

## [EDU145](#)

### **Child Development II**

This course includes the theories of child development, needs, milestones, and factors that influence development from preschool through middle childhood. Emphasis is placed on developmental sequences in physical/motor, emotional/social, cognitive, and language domains and the impact of multiple influences on development and learning. Upon completion, students should be able to compare/contrast typical/atypical development characteristics, explain environmental factors that impact development, and identify strategies for enhancing development.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Spring  
Evening Semesters:

## [EDU146](#)

### **Child Guidance**

This course introduces principles and practical techniques including the design of learning environments for providing developmentally appropriate guidance for all children, including those at risk. Emphasis is placed on observation skills, cultural influences, underlying causes of behavior, appropriate expectations, development of self-control and the role of communication and guidance. Upon completion, students should be able to demonstrate direct/indirect strategies for preventing problem behaviors, teaching appropriate/acceptable behaviors, negotiation, setting limits, and recognizing at risk behaviors.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Spring

[EDU151](#)**Creative Activities**

This course covers planning, creation and adaptation of developmentally supportive learning environments with attention to curriculum, interactions, teaching practices and learning materials. Emphasis is placed on creating and adapting integrated, meaningful, challenging and engaging developmentally supportive learning experiences in art, music, movement and dramatics for all children. Upon completion, students should be able to create, adapt, implement and evaluate developmentally supportive learning materials, experiences and environments.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

[EDU153](#)**Health, Safety & Nutrition**

This course covers promoting and maintaining the health and wellbeing of all children. Topics include health and nutritional guidelines, common childhood illnesses, maintaining safe and healthy learning environments, recognition and reporting of abuse and neglect and state regulations. Upon completion, students should be able to demonstrate knowledge of health, safety, and nutritional needs, safe learning environments, and adhere to state regulations.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Fall

Evening Semesters:

[EDU163](#)**Classroom Management & Instruction**

This course covers management and instructional techniques with school-age populations. Topics include classroom management and organization, teaching strategies, individual student differences and learning styles, and developmentally appropriate classroom guidance techniques. Upon completion, students should be able to utilize developmentally appropriate behavior management and instructional strategies that enhance the teaching/learning process and promote students' academic success.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

[EDU184](#)**Early Childhood Introduction Practicum**

This course introduces students to early childhood settings and applying skills in a three star (minimum) or NAEYC accredited or equivalent, quality early childhood environment. Emphasis is placed on observing children and assisting in the implementation of developmentally appropriate activities/environments for all children; and modeling reflective/professional practices. Upon completion, students should be able to demonstrate developmentally appropriate interactions with children and ethical/professional behaviors as indicated by assignments and onsite faculty visits.

Lecture Hours:

1.00

Lab Hours:

3.00

Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [EDU216](#)

### **Foundations of Education (CAA)**

This course introduces the American educational system and the teaching profession. Topics include historical and philosophical foundations of education, contemporary educational, structural, legal, and financial issues, and experiences in public school classrooms. Upon completion, students should be able to relate classroom observations in the roles of teachers and schools and the process of teacher education.

Lecture Hours:  
4.00  
Lab Hours:  
0.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [EDU221](#)

### **Children with Exceptionalities (CAA)**

This course introduces children with exceptionalities, their families, support services, inclusive/diverse settings, and educational/family plans based on the foundations of child development. Emphasis is placed on the characteristics of exceptionalities, observation and assessment of children, strategies for adapting the learning environment, and identification of community resources. Upon completion, students should be able to recognize diverse abilities, describe the referral process, and depict collaboration with families/professionals to plan/implement, and promote best practice.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall  
Evening Semesters:

## [EDU222](#)

### **Learn with Behavioral Disorders**

This course provides a comprehensive study of learners with behavioral disorders encompassing characteristics, assessments, placement alternatives, inclusion and family interventions. Topics include legislation, appropriate management interventions, and placement options for children with behavior disorders. Upon completion, students should be able to identify, develop, and utilize positive behavior support systems.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [EDU223](#)

### **Specific Learning Disabilities**

This course provides a comprehensive study of characteristics, alternative assessments, teaching strategies, placement options, inclusion, and family intervention for children with specific learning disabilities. Topics include causes, assessment instruments, learning strategies, and collaborative/inclusion methods for children with specific learning disabilities. Upon completion, students should be able to assist in identifying, assessing, and providing educational interventions for children with specific learning disabilities and their families.

Lecture Hours:  
3.00

Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [EDU234](#)

### **Infants, Toddlers & Twos**

This course covers the unique needs and rapid changes that occur in the first three years of life and the inter-related factors that influence development. Emphasis is placed on recognizing and supporting developmental milestones through purposeful strategies, responsive care routines and identifying elements of quality, inclusive early care and education. Upon completion, students should be able to demonstrate respectful relationships that provide a foundation for healthy infant/toddler/twos development, plan/select activities/materials, and partner with diverse families.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall  
Evening Semesters:

## [EDU243](#)

### **Learning Theory**

This course provides lateral entry teachers an introduction to learning theory, various styles of learning, and motivational factors involved in the learning process. Emphasis is placed on principles of development, environmental planning, and positive guidance techniques. Upon completion, students should be able to discuss developmental principles for all children ages five to twelve and plan and implement developmentally appropriate activities.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [EDU244](#)

### **Human Growth Development**

This course introduces lateral entry teachers to theories and ages and stages related to human growth and development from birth through adolescence. Emphasis is placed on development through the stages of a child's life in the areas of physical, emotional, social, intellectual, and moral development. Upon completion, students should be able to identify and describe milestones of each stage in all areas of development and discuss factors that influence growth.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [EDU245](#)

### **Policies & Procedures**

This course is designed to introduce new lateral entry teachers to the policies and procedures established by the local education agency. Topics include emergency situation procedures, acceptable discipline, chain of command, role of mentors, evaluation procedures, employment requirements, dress codes, and other policies, and procedures. Upon completion, students should be able to explain the policies and procedures to students, parents, or others and discuss the purpose of each policy category.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [EDU247](#)

### **Sensory & Physical Disabilities**

This course covers characteristics, intervention strategies, assistive technologies, and inclusive practices for children with sensory and physical disabilities. Topics include inclusive placement options, utilization of support services, other health impairments and family involvement for children with sensory and physical disabilities. Upon completion, students should be able to identify and utilize intervention strategies and service delivery options for those specific disabilities.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [EDU248](#)

### **Developmental Delays**

This course covers the causes and assessment of developmental delays and individualizes instruction and curriculum for children with developmental delays. Emphasis is placed on definition, characteristics, assessment, educational strategies, inclusion, family involvement, and services for children with developmental delays. Upon completion, students should be able to identify, assess, and plan educational intervention strategies for children with developmental delays and their families.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [EDU251](#)

### **Exploration Activities**

This course covers discovery experiences in science, math, and social studies. Emphasis is placed on developing concepts for each area and encouraging young children to explore, discover, and construct concepts. Upon completion, students should be able to discuss the discovery approach to teaching, explain major concepts in each area, and plan appropriate experiences for children.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [EDU259](#)

### **Curriculum Planning**

This course is designed to focus on curriculum planning for three to five year olds. Topics include philosophy, curriculum models, indoor and outdoor environments, scheduling, authentic assessment, and planning developmentally appropriate experiences. Upon completion, students should be able to evaluate children's development, critique curriculum, plan for individual and group needs, and assess and create quality environments.

Lecture Hours:

3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## EDU261

### **Early Childhood Administration I**

This course introduces principles of basic programming and staffing, budgeting/financial management and marketing, and rules and regulations of diverse early childhood programs. Topics include program structure and philosophy, standards of NC child care programs, finance, funding resources, and staff and organizational management. Upon completion, students should be able to develop components of program/personnel handbooks, a program budget, and demonstrate knowledge of fundamental marketing strategies and NC standards.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## EDU262

### **Early Childhood Administration II**

This course focuses on advocacy/leadership, public relations/community outreach and program quality/evaluation for diverse early childhood programs. Topics include program evaluation/accreditation, involvement in early childhood professional organizations, leadership/mentoring, family, volunteer and community involvement and early childhood advocacy. Upon completion, students should be able to define and evaluate all components of early childhood programs, develop strategies for advocacy and integrate community into programs.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## EDU271

### **Educational Technology**

This course introduces the use of technology to enhance teaching and learning in all educational settings. Topics include technology concepts, instructional strategies, materials and adaptive technology for children with exceptionalities, facilitation of assessment/evaluation, and ethical issues surrounding the use of technology. Upon completion, students should be able to apply technology enhanced instructional strategies, use a variety of technology resources and demonstrate appropriate technology skills in educational environments.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## EDU275

### **Effective Teacher Training**

This course provides specialized training using an experienced-based approach to learning. Topics include instructional preparation and presentation, student interaction, time management, learning expectations, evaluation, and curriculum principles and planning. Upon completion, students should be able to prepare and present a six-step lesson plan and demonstrate ways to improve students' time-on-task.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [EDU280](#)

### **Language & Literacy Experiences**

This course is designed to expand students' understanding of children's language and literacy development and provides strategies for enhancing language/literacy experiences in an enriched environment. Topics include selection of diverse literature and interactive media, the integration of literacy concepts throughout the curriculum, appropriate observations/assessments and inclusive practices. Upon completion, students should be able to select, plan, implement and evaluate developmentally appropriate and diverse language/literacy experiences.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [EDU281](#)

### **Instructional Strategies/Reading & Writing**

This course covers concepts, resources, and methods for teaching reading and writing to elementary through middle-grade children. Topics include the importance of literacy, learning styles, skills assessment, various reading and writing approaches and instructional strategies. Upon completion, students should be able to assess, plan, implement and evaluate school-age literacy experiences as related to the North Carolina Standard Course of Study.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [EDU282](#)

### **Early Childhood Literature**

This course covers the history, selection, and integration of literature and language in the early childhood curriculum. Topics include the history and selection of developmentally appropriate children's literature and the use of books and other media to enhance language and literacy in the classroom. Upon completion, students should be able to select appropriate books for storytelling, reading aloud, puppetry, flannel board use, and other techniques.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [EDU284](#)

### **Early Childhood Capstone Prac**

This course is designed to allow students to apply skills in a three star (minimum) or NAEYC accredited or equivalent, quality early childhood environment. Emphasis is placed on designing, implementing and evaluating developmentally appropriate activities and <sup>255</sup> environments for all children; supporting/involving families; and modeling reflective and professional practices. Upon completion, students should be able to demonstrate developmentally appropriate plans/assessments, appropriate guidance techniques and

Lecture Hours:  
1.00  
Lab Hours:  
9.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

**EDUELECTIVE**

**EDU Elective**

BIO 110	Principles of Biology	4
BIO 111 (DRE 098)	General Biology	4
BIO 140/140A (DRE 098)	Environmental Biology	4
CHM 131/131A (DRE 098), DMA 010-040)	Intro to Chemistry	4
EDU 163 (co-req DRE 097)	Classroom Management & Instruction	3
EDU 216 (ENG 111)	Foundations in Education	4
EDU 222 (co-req DRE 098), EDU 146)	Learn with Behavior Disorders	3
EDU 223 (EDU 145 or PSY 245)	Specific Learning Disabilities	3
EDU 234 (co-req DRE 098), EDU 119. EDU 144)	Infants, Toddlers, & Twos	3
EDU 247 (co-req DRE 098), EDU 145)	Sensory & Physical Disabilities	3
EDU 248 (co-req DRE 098), EDU145)	Developmental Delays	3
EDU 261 (co-req DRE 098)	Early Childhood Administration I	3
EDU 262 (EDU 261)	Early Childhood Administration II	3
EDU 275 (co-req DRE 098)	Effective Teacher Training	2
EDU 282 (co-req DRE 098)	Early Childhood Literature	3



PED 111	Physical Fitness I	1
PED 117	Weight Training I	1
PED 121	Walk, Jog, Run	1
SOC 210 (DRE 098)	Intro to Sociology	3
SOC 213 (DRE 098)	Sociology of the Family	3
SOC 220 (DRE 098)	Social Problems	3
SPA 111	Elementary Spanish I	3
SPA 112	Elementary Spanish II	3

Lecture Hours:

Lab Hours:

Credit Hours:

Day Semesters:

Evening Semesters:

## [EGR285](#)

### **Design Project**

This course provides the opportunity to design and construct an instructor-approved project using previously acquired skills. Emphasis is placed on selection, proposal, design, construction, testing, and documentation of the approved project. Upon completion, students should be able to present and demonstrate operational projects. Students should take this course only after completing all other electronics courses.

Lecture Hours:

0.00

Lab Hours:

4.00

Credit Hours:

2.00

Day Semesters:

Evening Semesters:

## [ELC111](#)

### **Introduction to Electricity**

This course introduces the fundamental concepts of electricity and test equipment to non-electrical/electronic majors. Topics include basic DC and AC principles (voltage, resistance, current, impedance); components (resistors, inductors, and capacitors); power; and operation of test equipment. Upon completion, students should be able to construct and analyze simple DC and AC circuits using electrical test equipment.

Lecture Hours:

2.00

Lab Hours:

2.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [ELC115](#)

## **Industrial Wiring**

This course covers layout, planning, and installation of wiring systems in industrial facilities. Emphasis is placed on industrial wiring methods and materials. Upon completion, students should be able to install industrial systems and equipment.

Lecture Hours:

2.00

Lab Hours:

6.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

### [ELC117](#)

## **Motors & Controls**

This course introduces the fundamental concepts of motors and motor controls. Topics include ladder diagrams, pilot devices, contractors, motor starters, motors, and other control devices. Upon completion, students should be able to properly select, connect, and troubleshoot motors and control circuits.

Lecture Hours:

2.00

Lab Hours:

6.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

### [ELC128](#)

## **Introduction to PLC**

This course introduces the programmable logic controller (PLC) and its associated applications. Topics include ladder logic diagrams, input/output modules, power supplies, surge protection, selection/installation of controllers, and interfacing of controllers with equipment. Upon completion, students should be able to install PLCs and create simple programs.

Lecture Hours:

2.00

Lab Hours:

3.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

### [ELC135](#)

## **Electrical Machines I**

This course covers magnetic circuits, transformers, DC/AC machines, and the three-phase circuit fundamentals including power factor. Topics include magnetic terms and calculations, transformer calculations based on primary or secondary equivalent circuits, and regulation and efficiency calculations. Upon completion, students should be able to perform regulation and efficiency calculations for DC/AC machine circuits.

Lecture Hours:

2.00

Lab Hours:

2.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

### [ELC138](#)

## **DC Circuit Analysis**

This course introduces DC electricity with an emphasis on circuit analysis, measurements, and operation of test equipment. Topics include DC principles, circuit analysis laws and theorems, components, test equipment operation, circuit simulation, and other related topics. Upon

completion, students should be able to interpret circuit schematics; design, construct, and analyze DC circuits; and properly use test equipment.

6.1.14

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [ELC139](#)

### **AC Circuit Analysis**

This course introduces AC electricity with an emphasis on circuit analysis, measurements, and operation of test equipment. Topics include AC voltages, circuit analysis laws and theorems, reactive components and circuits, transformers, test equipment operation, circuit simulation, and other related topics. Upon completion, students should be able to interpret AC circuit schematics; analyze and troubleshoot AC circuits; and properly use test equipment.

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [ELC215](#)

### **Electrical Maintenance**

This course introduces the theory of maintenance and the skills necessary to maintain electrical equipment found in industrial and commercial facilities. Topics include maintenance theory, predictive and preventive maintenance, electrical equipment operation and maintenance, and maintenance documentation. Upon completion, students should be able to perform maintenance on electrical equipment in industrial and commercial facilities.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [ELC228](#)

### **PLC Applications**

This course continues the study of the programming and applications of programmable logic controllers. Emphasis is placed on advanced programming, networking, advanced I/O modules, reading and interpreting error codes, and troubleshooting. Upon completion, students should be able to program and troubleshoot programmable logic controllers.

Lecture Hours:  
2.00  
Lab Hours:  
6.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [ELN131](#)

### **Analog Electronics I**

This course includes semiconductor-based devices such as diodes, bipolar transistors, FETs, thermistors, and related components. <sup>259</sup> Emphasis is placed on analysis, selection, biasing, and applications in power supplies, small signal amplifiers, and switching and control circuits. Upon completion, students should be able to construct, analyze, verify, and troubleshoot discrete component circuits using

appropriate techniques and test equipment.

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [ELN133](#)

### **Digital Electronics**

This course covers combinational and sequential logic circuits. Topics include number systems, Boolean algebra, logic families, MSI and LSI circuits, AD/DA converters, and other related topics. Upon completion, students should be able to construct, analyze, verify, and troubleshoot digital circuits using appropriate techniques and test equipment.

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [ELN232](#)

### **Introduction to Microprocessors**

This course introduces microprocessor architecture and microcomputer systems including memory and input/output interfacing. Topics include assembly language programming, bus architecture, bus cycle types, I/O systems, memory systems, interrupts, and other related topics. Upon completion, students should be able to interpret, analyze, verify, and troubleshoot fundamental microprocessor circuits and programs using appropriate techniques and test equipment.

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [EMS110](#)

### **EMT - Basic**

This course introduces basic emergency medical care. Topics include preparatory, airway, patient assessment, medical emergencies, trauma, infants and children, and operations. Upon completion, students should be able to demonstrate the knowledge and skills necessary to achieve North Carolina State or National Registry EMT certification.

Lecture Hours:  
6.00  
Lab Hours:  
6.00  
Credit Hours:  
8.00  
Day Semesters:  
Evening Semesters:

## [EMS120](#)

### **Intermediate Interventions**

This course is designed to provide the necessary information for interventions appropriate to the EMT-Intermediate and is required for intermediate certification. Topics include automated external defibrillation, basic cardiac electrophysiology, intravenous therapy, venipuncture, acid-base balance, and fluids and electrolytes. Upon completion, students should be able to properly establish an IV line, obtain venous blood, utilize AEDs, and correctly interpret arterial blood gases.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## EMS121

### **EMS Clinical Practicum I**

This course is the initial hospital and field internship and is required for intermediate and paramedic certification. Emphasis is placed on intermediate-level care. Upon completion, students should be able to demonstrate competence with intermediate-level skills. This course will be graded on a Pass-Fail basis.

Lecture Hours:  
0.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## EMS122

### **EMS Clinical Practicum I**

This course provides the introductory hospital clinical experience for the paramedic student. Emphasis is placed on mastering fundamental paramedic skills. Upon completion, students should be able to demonstrate competence with fundamental paramedic level skills.

Lecture Hours:  
0.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## EMS130

### **Pharmacology**

This course introduces the fundamental principles of pharmacology and medication administration and is required for paramedic certification. Topics include medical terminology, pharmacological concepts, weights, measures, drug calculations, vascular access for fluids and medication administration and legislation. Upon completion, students should be able to accurately calculate drug dosages, properly administer medications, and demonstrate general knowledge of pharmacology.

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## EMS131

### **Advanced Airway Management**

This course is designed to provide advanced airway management techniques and is required for paramedic certification. Topics include respiratory anatomy and physiology, airway/ventilation, adjuncts, surgical intervention, and rapid sequence intubation. Upon completion, students should be able to properly utilize all airway adjuncts and pharmacology associated with airway control and maintenance.

Lecture Hours:  
1.00  
Lab Hours:

2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

6.1.14

## EMS140

### **Rescue Scene Management**

This course introduces rescue scene management. Topics include response to hazardous material conditions, incident command, and extrication of patients from a variety of situations. Upon completion, students should be able to recognize and manage rescue operations based upon initial and follow-up scene assessment.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## EMS150

### **Emergency Vehicles & EMS Communication**

This course covers the principles governing emergency vehicles, maintenance of emergency vehicles, and EMS communication equipment. Topics include applicable motor vehicle laws affecting emergency vehicle operation, defensive driving, collision avoidance techniques, communication systems, and information management systems. Upon completion, students should have a basic knowledge of emergency vehicles, maintenance, and communication needs.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## EMS160

### **Cardiology I**

This course introduces the study of cardiovascular emergencies and is required for paramedic certification. Topics include anatomy and physiology, pathophysiology, electrophysiology, and basic rhythm interpretation in the monitoring leads. Upon completion, students should be able to recognize and interpret basic rhythms.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## EMS220

### **Cardiology II**

This course provides an in-depth study of cardiovascular emergencies and is required for paramedic certification. Topics include assessment and treatment of cardiac emergencies, application and interpretation of advanced electrocardiography utilizing the twelve-lead ECG, cardiac pharmacology, and patient care. Upon completion, students should be able to assess and treat patients utilizing American Heart Association guidelines.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:

3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [EMS221](#)

### **EMS Clinical Practicum II**

This course provides clinical experiences in the hospital and/or field. Emphasis is placed on increasing the proficiency of students' skills and abilities in patient assessments and the delivery of care. Upon completion, students should be able to demonstrate continued progress in advanced-level patient care.

Lecture Hours:  
0.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [EMS231](#)

### **EMS Clinical Practicum III**

This course provides clinical experiences in the hospital and/or field. Emphasis is placed on enhancing the students' skills and abilities in providing advanced-level care. Upon completion, students should be able to demonstrate continued progress in advanced-level patient care.

Lecture Hours:  
0.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [EMS235](#)

### **EMS Management**

This course stresses the principles of managing a modern emergency medical service system. Topics include structure and function of municipal governments, EMS grantsmanship, finance, regulatory agencies, system management, legal issues, and other topics relevant to the EMS manager. Upon completion, students should be able to understand the principles of managing emergency medical service delivery systems.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [EMS240](#)

### **Patients W/ Special Challenges**

This course includes concepts of crisis intervention and techniques of interacting with patients with special challenges and is required for paramedic certification. Topics include appropriate intervention and interaction for neglected, abused, terminally ill, chronically ill, technology assisted, bariatric, physically challenged, mentally challenged, or assaulted patients as well as behavioral emergencies. Upon completion, students should be able to recognize and manage the care of patients with special challenges.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:

[EMS241](#)**EMS Clinical Practicum IV**

This course provides clinical experiences in the hospital and/or field. Emphasis is placed on mastering the skills/competencies required of the paramedic providing advanced-level care. Upon completion, students should be able to provide advanced-level patient care as an entry-level paramedic.

Lecture Hours:

0.00

Lab Hours:

0.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

[EMS250](#)**Medical Emergencies**

This course provides an in-depth study of medical conditions frequently encountered in the prehospital setting and is required for paramedic certification. Topics include appropriate interventions/treatments for disorders/diseases/injuries affecting the following systems: respiratory, neurological, abdominal/gastrointestinal, endocrine, genitourinary, musculoskeletal, and immunological as well as toxicology, infectious diseases and diseases of the eyes, ears, nose and throat. Upon completion, students should be able to recognize, assess and manage the care of frequently encountered medical conditions based upon initial patient assessment.

Lecture Hours:

3.00

Lab Hours:

3.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

[EMS260](#)**Trauma Emergencies**

This course provides in-depth study of trauma including pharmacological interventions for conditions frequently encountered in the prehospital setting and is required for paramedic certification. Topics include an overview of thoracic, abdominal, genitourinary, orthopedic, neurological, and multi-system trauma, soft tissue trauma of the head, neck, and face as well as environmental emergencies. Upon completion, students should be able to recognize and manage trauma situations based upon patient assessment and should adhere to standards of care.

Lecture Hours:

1.00

Lab Hours:

3.00

Credit Hours:

2.00

Day Semesters:

Evening Semesters:

[EMS270](#)**Life Span Emergencies**

This course covers medical/ethical/legal issues and the spectrum of age-specific emergencies from conception through death required for paramedic certification. Topics include gynecological, obstetrical, neonatal, pediatric, and geriatric emergencies and pharmacological therapeutics. Upon completion, students should be able to recognize and treat age-specific emergencies.

Lecture Hours:

2.00

Lab Hours:

3.00

Credit Hours:

3.00

Day Semesters:



[EMS280](#)**EMS Bridging Course**

This course is designed to bridge the knowledge gained in a continuing education paramedic program with the knowledge gained in an EMS curriculum program. Emphasis is placed on patient assessment, advanced electrocardiography utilizing the twelve-lead ECG, advanced pharmacology, the appropriate intervention and treatment of multi-system injuries/disorders, ethics, and NC laws and rules. Upon completion, students should be able to perform advanced patient assessment and practice skills.

Lecture Hours:

2.00

Lab Hours:

2.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

[EMS285](#)**EMS Capstone**

This course provides an opportunity to demonstrate problem-solving skills as a team leader in simulated patient scenarios and is required for paramedic certification. Emphasis is placed on critical thinking, integration of didactic and psychomotor skills, and effective performance in simulated emergency situations. Upon completion, students should be able to recognize and appropriately respond to a variety of EMS-related events.

Lecture Hours:

1.00

Lab Hours:

3.00

Credit Hours:

2.00

Day Semesters:

Evening Semesters:

[ENG102](#)**Applied Communications II**

This course is designed to enhance writing and speaking skills for the workplace. Emphasis is placed on generating short writings such as job application documents, memoranda, and reports and developing interpersonal communication skills with employees and the public. Upon completion, students should be able to prepare effective, short, and job-related written and oral communications.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

[ENG111](#)**Expository Writing (CAA)**

This course is designed to develop the ability to produce clear writing in a variety of genres and formats using a recursive process. Emphasis includes inquiry, analysis, effective use of rhetorical strategies, thesis development, audience awareness, and revision. Upon completion, students should be able to produce unified, coherent, well-developed essays using standard written English.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

### **Argument-Based Research (CAA)**

This course, the second in a series of two, introduces research techniques, documentation styles, and argumentative strategies. Emphasis is placed on analyzing data and incorporating research findings into documented argumentative essays and research projects. Upon completion, students should be able to summarize, paraphrase, interpret, and synthesize information from primary and secondary sources using standard research format and style.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

[ENG114](#)

### **Professional Research & Reporting (CAA)**

This course, the second in a series of two, is designed to teach professional communication skills. Emphasis is placed on research, listening, critical reading and thinking, analysis, interpretation, and design used in oral and written presentations. Upon completion, students should be able to work individually and collaboratively to produce well-designed business and professional written and oral presentations.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

[ENG231](#)

### **American Literature I (CAA)**

This course covers selected works in American literature from its beginnings to 1865. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to analyze and interpret literary works in their historical and cultural contexts.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

[ENG232](#)

### **American Literature II (CAA)**

This course covers selected works in American literature from 1865 to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to analyze and interpret literary works in their historical and cultural contexts.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

[ENG242](#)

## **British Literature II (CAA)**

This course covers selected works in British literature from Romantic Period to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [ENG262](#)

### **World Literature II (CAA)**

This course introduces selected works from the Pacific, Asia, Africa, Europe, and the Americas from the eighteenth century to the present. Emphasis is placed on historical background, cultural content, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to selected works.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [ENV110](#)

### **Environmental Science**

This course covers the environmental problems facing society today. Topics include population, natural resources, air and water pollution, and waste disposal problems. Upon completion, students should be able to demonstrate insight into the role the individual plays in shaping the environment.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [ENV230](#)

### **Energy Resource Management**

This course covers management processes needed to conserve and use renewable and non-renewable energy resources in ways to reduce an adverse impact on ecosystems. Emphasis is placed on the proper match of resource quality with tasks needed and on the least intrusive process of utilizing each energy resource. Upon completion, students should be able to design a diverse energy resource plan for any area of the United States.

Lecture Hours:

3.00

Lab Hours:

2.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

## [FIP120](#)

### **Introduction to Fire Protection**

This course provides an overview of the development, methods, systems and regulations that apply to the fire protection field. Topics

include history, evolution, statistics, suppression, organizations, careers, curriculum, and related subjects. Upon completion, students should be able to demonstrate a broad understanding of the fire protection field.

6.1.14

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [FIP124](#)

### **Fire Protection & Public Education**

This course introduces fire prevention concepts as they relate to community and industrial operations referenced in NFPA standard 101. Topics include the development and maintenance of fire prevention programs, educational programs, and inspection programs. Upon completion, students should be able to research, develop, and present a fire safety program to a citizens or industrial group.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [FIP128](#)

### **Detection & Investigation**

This course covers procedures for determining the origin and cause of accidental and incendiary fires referenced in NFPA standard 921. Topics include collection and preservation of evidence, detection and determination of accelerants, courtroom procedure and testimony, and documentation of the fire scene. Upon completion, students should be able to conduct a competent fire investigation and present those findings to appropriate officials or equivalent.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [FIP132](#)

### **Building Construction**

This course covers the principles and practices reference in NFPA standard 220 related to various types of building construction, including residential and commercial, as impacted by fire conditions. Topics include types of construction and related elements, fire resistive aspects of construction materials, building codes, collapse, and other related topics. Upon completion, students should be able to understand and recognize various types of construction and their positive or negative aspects as related to fire conditions.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [FIP136](#)

### **Inspections & Codes**

This course covers the fundamentals of fire and building codes and procedures to conduct an inspection referenced in NFPA standard 1730. Topics include review of fire and building codes, writing inspection reports, identifying hazards, plan reviews, site sketches, and other related topics. Upon completion, students should be able to conduct a fire code compliance inspection and produce a written report.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [FIP146](#)

### **Fire Protection Systems**

This course introduces various types of automatic sprinklers, standpipes, fire alarm systems, and fixed and portable extinguishing systems referenced in NFPA standard 25, including their operation, installation, and maintenance. Topics include wet and dry systems, testing and maintenance, water supply requirements, fire detection and alarm systems, including application, testing, and maintenance of Halon, carbon dioxide, dry chemical, and special extinguishing agents utilized in fixed and portable systems. Upon completion, students should be able to demonstrate a working knowledge of sprinkler and alarm systems, both fixed and portable, including appropriate application, operation, inspection, and maintenance requirements.

Lecture Hours:  
3.00  
Lab Hours:  
2.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [FIP152](#)

### **Fire Protection Law**

This course covers fire protection law as referenced in NFPA standard 1. Topics include legal terms, contracts, liability, review of case histories, and other related topics. Upon completion, students should be able to discuss laws, codes, and ordinances as they relate to fire protection.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [FIP160](#)

### **Fire Protection/Electricity**

This course covers the methods and means of electrical installations and uses as related to fire. Topics include basic electrical theories, wiring methods, electrical components and circuitry, and an introduction to the National Electrical Code. Upon completion, students should be able to demonstrate a basic knowledge of electricity, including its uses, characteristics, and hazards.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [FIP160A](#)

### **Fire Protection/Electricity Lab**

This course provides practical applications in electrical installations referenced in NFPA standard 70. Topics include switching devices, basic circuits, electrical distribution, and other related topics. Upon completion, students should be able to demonstrate knowledge of basic electrical equipment and hazards as related to fire protection.

Lecture Hours:

0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [FIP164](#)

### **OSHA Standards**

This course covers public and private sector OSHA work site requirements referenced in NFPA standard 1250. Emphasis is placed on accident prevention and reporting, personal safety, machine operations, and hazardous material handling. Upon completion, students should be able to analyze and interpret specific OSHA regulations and write workplace policies designed to achieve compliance.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [FIP220](#)

### **Fire Fighting Strategies**

This course provides preparation for command of initial incident operations involving emergencies within both the public and private sector referenced in NFPA standards 1561, 1710, and 1720. Topics include incident management, fire-ground tactics and strategies, incident safety, and command/control of emergency operations. Upon completion, students should be able to describe the initial incident system as it relates to operations involving various emergencies in fire and non-fire situations.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [FIP221](#)

### **Advanced Fire Fighting Strategies**

This course covers command-level operations for multi-company/agency operations involving fire and non-fire emergencies. Topics include advanced use of the Incident Command System(ICS), advanced incident analysis, command-level fire operations, and control of both man made and natural major disasters. Upon completion, students should be able to describe proper and accepted systems for the mitigation of emergencies at the level of overall scene command.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [FIP228](#)

### **Local Govt Finance**

This course introduces local governmental financial principles and practices. Topics include budget preparation and justification, revenue policies, statutory requirements, audits, and the economic climate. Upon completion, students should be able to comprehend the importance of finance as it applies to the operations of a department.

Lecture Hours:  
3.00  
Lab Hours:

Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [FIP230](#)

### **Chemistry of Hazardous Materials I**

This course covers the evaluation of hazardous materials referenced in NFPA standard 1072. Topics include use of the periodic table, hydrocarbon derivatives, placards and labels, parameters of combustion, and spill and leak mitigation. Upon completion, students should be able to demonstrate knowledge of the chemical behavior of hazardous materials.

Lecture Hours:  
5.00  
Lab Hours:  
0.00  
Credit Hours:  
5.00  
Day Semesters:  
Evening Semesters:

## [FIP232](#)

### **Hydraulics & Water Distribution**

This course covers the flow of fluids through fire hoses, nozzles, appliances, pumps, standpipes, water mains, and other devices reference in NFPA standard 25. Emphasis is placed on supply and delivery systems, fire flow testing, hydraulic calculations, and other related topics. Upon completion, students should be able to perform hydraulic calculations, conduct water availability tests, and demonstrate knowledge of water distribution systems.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [FIP236](#)

### **Emergency Management**

This course covers the four phases of emergency management: mitigation, preparedness, response, and recovery. Topics include organizing for emergency management, coordinating for community resources, public sector liability, and the roles of government agencies at all levels. Upon completion, students should be able to demonstrate an understanding of comprehensive emergency management and the integrated emergency management system.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [FIP240](#)

### **Fire Service Supervision**

This course covers supervisory skills and practices in the fire protection field. Topics include the supervisor's job, supervision skills, the changing work environment, managing change, organizing for results, discipline and grievances, and safety. Upon completion, students should be able to demonstrate an understanding of the roles and responsibilities of effective fire service supervision, meeting elements of NFPA 1021.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:

3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [FIP260](#)

### **Fire Protection Planning**

This course covers the need for a comprehensive approach to fire protection planning. Topics include the planning process, using an advisory committee, establishing goals and objectives, and techniques used to approve and implement a plan. Upon completion, students should be able to demonstrate a working knowledge of the concepts and principles of planning as it relates to fire protection.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [FIP276](#)

### **Managing Fire Services**

This course provides an overview of fire department operative services referenced in NFPA standard 1021. Topics include finance, staffing, equipment, code enforcement, management information, specialized services, legal issues, planning, and other related topics. Upon completion, students should be able to understand concepts and apply fire department management and operations principles.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [FRE111](#)

### **Elementary French I (CAA)**

This course introduces the fundamental elements of the French language within a cultural context. Emphasis is placed on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written French and demonstrate cultural awareness.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall, Spring  
Evening Semesters:

## [FRE112](#)

### **Elementary French II (CAA)**

This course is a continuation of FRE 111 focusing on the fundamental elements of the French language within a cultural context. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written French and demonstrate further cultural awareness.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall, Spring



[FRE161](#)**Cultural Immersion (CAA)**

This course explores Francophone culture through intensive study on campus and field experience in a host country or area. Topics include an overview of linguistic, historical, geographical, sociopolitical, economic, and/or artistic concerns of the area visited. Upon completion, students should be able to exhibit first-hand knowledge of issues pertinent to the host area and demonstrate an understanding of cultural differences.

Lecture Hours:

2.00

Lab Hours:

30.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

[FRE181](#)**French Lab 1 (CAA)**

This course provides an opportunity to enhance acquisition of the fundamental elements of the French language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written French and demonstrate cultural awareness.

Lecture Hours:

0.00

Lab Hours:

2.00

Credit Hours:

1.00

Day Semesters:

Fall, Spring

Evening Semesters:

[FRE182](#)**French Lab 2 (CAA)**

This course provides an opportunity to enhance acquisition of the fundamental elements of the French language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written French and demonstrate cultural awareness.

Lecture Hours:

0.00

Lab Hours:

2.00

Credit Hours:

1.00

Day Semesters:

Fall, Spring

Evening Semesters:

[FRE211](#)**Intermediate French I**

This course provides a review and expansion of the essential skills of the French language. Emphasis is placed on the study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate effectively, accurately, and creatively about the past, present, and future.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

## [FRE212](#)

### **Intermediate French II**

This course is a continuation of FRE 211. Emphasis is placed on the continuing study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [GEO111](#)

### **World Regional Geography**

This course introduces the regional concept, which emphasizes the spatial association of people and their environment. Emphasis is placed on the physical, cultural, and economic systems that interact to produce the distinct regions of the earth. Upon completion, students should be able to describe variations in physical and cultural features of a region and demonstrate an understanding of their functional relationships.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [GER111](#)

### **Elementary German I (CAA)**

This course introduces the fundamental elements of the German language within a cultural context. Emphasis is placed on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written German and demonstrate cultural awareness.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [GER112](#)

### **Elementary German II (CAA)**

This course is a continuation of GER 111, focusing on the fundamental elements of the German language within a cultural context. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written German and demonstrate further cultural awareness.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

### **German Lab I (CAA)**

This course provides an opportunity to enhance acquisition of the fundamental elements of the German language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written German and demonstrate cultural awareness.

Lecture Hours:

0.00

Lab Hours:

2.00

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

### [GER182](#)

### **German Lab II (CAA)**

This course provides an opportunity to enhance acquisition of the fundamental elements of the German language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written German and demonstrate cultural awareness.

Lecture Hours:

0.00

Lab Hours:

2.00

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

### [GIS111](#)

### **Introduction to GIS**

This course introduces the hardware and software components of a Geographic Information System and reviews GIS applications. Topics include data structures and basic functions, methods of data capture and sources of data, and the nature and characteristics of spatial data and objects. Upon completion, students should be able to identify GIS hardware components, typical operations, products/applications, and differences between database models and between raster and vector systems.

Lecture Hours:

2.00

Lab Hours:

2.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

### [GIS121](#)

### **Georeferencing & Mapping**

This course introduces coordinate systems, fundamentals of surveying, and cartography. Topics include the theory, acquisition, and use of locational data using both continuous and discrete georeferencing methods. Upon completion, students should be able to identify appropriate coordinate systems for a situation and translate data into correct map form.

Lecture Hours:

2.00

Lab Hours:

2.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

### [GIS222](#)

## **Internet Mapping**

This course is designed as an introduction to multimedia, interactive, animated, and Web cartography. Topics include the principles of effective cartographic communication, and stressing the new and important roles digital cartography is coming to play in cyberspace. Upon completion, students should be able to demonstrate the ability to evaluate digital cartographic information and create effective internet maps.

Lecture Hours:

2.00

Lab Hours:

2.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [GRD167](#)

### **Photographic Imaging I**

This course introduces basic camera operations and photographic production. Topics include subject composition, depth of field, shutter control, light control, color, photo-finishing, and digital imaging, correction and output. Upon completion, students should be able to produce traditional and/or digital photographic prints with acceptable technical and compositional quality.

Lecture Hours:

1.00

Lab Hours:

4.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [HCI110](#)

### **Introduction to Healthcare Interpreting**

This course introduces the student to the specialized field of Healthcare Interpreting. Emphasis is placed on the specialized role of healthcare interpreters in the U.S. and current legislation relating to providing services. Upon completion, students should be able to demonstrate an understanding of the profession of the interpreter within the health care system.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [HCI114](#)

### **Analytical Skills for Interpreters**

This course is designed to improve cognitive processes associated with interpreting, listening, short-term memory, semantic equivalence, visual/auditory processing, thought organization and logic. Emphasis is placed on developing skills necessary to generate equivalent messages between English and a target language. Upon completion, students should be able to consecutively interpret non-technical, interactive messages between English and a target language.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [HCI115](#)

### **Healthcare in the U.S.**

This course introduces the student to the Healthcare system in the U.S. Topics include methods of healthcare delivery, healthcare management systems, organizational structures, medical professionals, and medical practice specialties, and reimbursement systems. Upon completion, students should be able to demonstrate a knowledge of the healthcare system in the U.S.

6.1.14

Lecture Hours:  
1.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [HCI120](#)

### **Medical Communication**

This course provides the student with the opportunity to begin to analyze a variety of textual information within the healthcare setting. Topics include translating medical history, release forms, pharmaceutical labels and other medical related information. Upon completion, students should be able to analyze and translate basic medical information.

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [HCI130](#)

### **Strategies for Medical Interpreters**

This course is designed to develop skills in producing a linguistic and culturally equivalent message between English and a target language in a healthcare setting. Topics include mnemonics, cognitive enhancement, interpreting complex medical dialogues, providing sight translations, controlling language register and style and dealing with interlinguistic and intercultural encounters. Upon completion, students should be able to facilitate interlingual communication in a healthcare setting.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [HCI210](#)

### **HCI Clinical Practicum I**

This course provides supervised clinical experience in healthcare settings. Emphasis is placed on practical application of healthcare interpreting concepts. Upon completion, students should be able to function as an entry-level healthcare interpreter.

Lecture Hours:  
0.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [HCI213](#)

### **Review of Grammar**

This course is designed to review the common elements of the target language grammar in oral and written form. Emphasis is placed on the fundamental grammatical concepts of a target language. Upon completion, students should be able to demonstrate comprehension and correct usage of specified grammatical concepts in both oral and written form.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [HCI215](#)

### **Informatics for Interpreters**

This course provides the student with an understanding of resources available to the translator/interpreter and their usefulness for healthcare translation and interpreting. Topics include using paper directories and online terminology databases, preparing a specialized medical glossary, computer assisted translation tools and remote interpreting technologies. Upon completion, students should be able to use various resources to provide interpreting services.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [HCI220](#)

### **HCI Clinical Practicum II**

This course provides additional experience in interpreting in various healthcare settings and provides preparation for career entry as a healthcare interpreter. Emphasis is placed on practical application of healthcare interpreting concepts. Upon completion, students should be able to demonstrate professional behaviors and ensure communication during medical encounters as an entry-level healthcare interpreter.

Lecture Hours:  
0.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [HCI225](#)

### **Cultural Health Habits**

This course provides the student an introduction to health practices within a culture. Topics include dialectical differences, health habits, and beliefs, folk medicinal practices, the role of family and authority. Upon completion, the student should be able to apply an understanding of the influence of culture on health practices.

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [HCI230](#)

### **Professional Issues**

This course provides the practical application and integration of interpreting theory and practice using case studies. Topics include professional ethics and associations, appropriate intervention levels, self-monitoring, increasing the awareness of healthcare interpreting and the role of the interpreter to healthcare professionals. Upon completion, students should be able to identify real-life difficulties and make decision that would lead to effective communication.

Lecture Hours:

3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [HEA110](#)

### **Personal Health/Wellness (CAA)**

This course provides an introduction to basic personal health and wellness. Emphasis is placed on current health issues such as nutrition, mental health, and fitness. Upon completion, students should be able to demonstrate an understanding of the factors necessary to the maintenance of health and wellness.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [HEA112](#)

### **First Aid & CPR (CAA)**

This course introduces the basics of emergency first aid treatment. Topics include rescue breathing, CPR, first aid for choking and bleeding, and other first aid procedures. Upon completion, students should be able to demonstrate skills in providing emergency care for the sick and injured until medical help can be obtained.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [HET110](#)

### **Diesel Engines**

This course includes theory, design, terminology, and operating adjustments for diesel engines. Emphasis is placed on safety, theory of operation, inspection, measuring, and rebuilding diesel engines according to factory specifications. Upon completion, students should be able to measure, diagnose problems, and repair diesel engines.

Lecture Hours:  
3.00  
Lab Hours:  
9.00  
Credit Hours:  
6.00  
Day Semesters:  
Evening Semesters:

## [HET114](#)

### **Power Training**

This course introduces power transmission devices. Topics include function and operation of gears, chains, clutches, planetary gears, drivelines, differentials, and transmissions. Upon completion, students should be able to identify, research specifications, repair, and adjust power train components.

Lecture Hours:  
3.00  
Lab Hours:  
6.00  
Credit Hours:

## [HET115](#)

### **Electronic Engines**

This course introduces the principles of electronically controlled diesel engines. Emphasis is placed on testing and adjusting diesel engines in accordance with manufacturers' specifications. Upon completion, students should be able to diagnose, test, and calibrate electronically controlled diesel engines.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [HET125](#)

### **Preventive Maintenance**

This course introduces preventive maintenance practices used on medium and heavy-duty vehicles and rolling assemblies. Topics include preventive maintenance schedules, services, DOT rules and regulations, and roadability. Upon completion, students should be able to set up and follow a preventive maintenance schedule as directed by manufacturers.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [HET126](#)

### **Preventive Maintenance Lab**

This course provides a laboratory setting to enhance preventive maintenance practices used on medium and heavy-duty vehicles and rolling assemblies. Emphasis is placed on practical experiences that enhance the topics presented in HET 125. Upon completion, students should be able to apply the laboratory experiences to the concepts presented in HET 125.

Lecture Hours:  
0.00  
Lab Hours:  
3.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [HET134](#)

### **Diesel Fuel & Power Sys**

This course introduces the principles of fuel injection and other power systems used in the heavy equipment industry including newer and cleaner technology. Emphasis is placed on test equipment, component functions, safety, and theories of older conventional and newer and cleaner Tier III and Tier IV fuel systems. Upon completion, students should be able to diagnose and service fuel systems and explain proper safety procedures on alternative fuel systems used in heavy equipment industry.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:



## **Air Brakes**

This course introduces the operation and design of air braking systems used on trucks. Topics include safety governors, compressors, and supporting systems. Upon completion, students should be able to diagnose, disassemble, inspect, repair, and reassemble air brake systems.

Lecture Hours:

1.00

Lab Hours:

2.00

Credit Hours:

2.00

Day Semesters:

Evening Semesters:

## [HET231](#)

### **Medium/Heavy Duty Brake Systems**

This course covers the theory and repair of braking systems used in medium and heavy-duty vehicles. Topics include air, hydraulic, and ABS system diagnosis and repair. Upon completion, students should be able to troubleshoot, adjust, and repair braking systems on medium and heavy-duty vehicles.

Lecture Hours:

1.00

Lab Hours:

3.00

Credit Hours:

2.00

Day Semesters:

Evening Semesters:

## [HET233](#)

### **Suspension & Steering**

This course introduces the theory and principles of medium and heavy-duty steering and suspension systems. Topics include wheel and tire problems, frame members, fifth wheel, bearings, and coupling systems. Upon completion, students should be able to troubleshoot, adjust, and repair suspension and steering components on medium and heavy-duty vehicles.

Lecture Hours:

2.00

Lab Hours:

4.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

## [HIS111](#)

### **World Civilizations I (CAA)**

This course introduces world history from the dawn of civilization to the early modern era. Topics include Eurasian, African, American, and Greco-Roman civilizations and Christian, Islamic, and Byzantine cultures. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in pre-modern world civilizations.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [HIS112](#)

### **World Civilizations II (CAA)**

This course introduces world history from the pre-modern era to the present. Topics include the cultures of Africa, Europe, India, China, Japan, and the Americas. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in modern world civilizations.

6.1.14

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [HIS131](#)

### **American History I (CAA)**

This course is a survey of American history from pre-history through the Civil War era. Topics include the migrations to the Americas, the colonial and revolutionary periods, the development of the Republic, and the Civil War. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in early American history.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall  
Evening Semesters:  
Fall

## [HIS132](#)

### **American History II (CAA)**

This course is a survey of American history from the Civil War era to the present. Topics include industrialization, immigration, the Great Depression, the major American wars, the Cold War, and social conflict. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in American history since the Civil War.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Spring  
Evening Semesters:  
Spring

## [HIT110](#)

### **Fundamentals of HIM**

This course introduces Health Information Management (HIM) and its role in healthcare delivery systems. Topics include external standards, regulations, and initiatives; payment and reimbursement systems and healthcare providers and disciplines. Upon completion, students should be able to demonstrate an understanding of health information management and healthcare organizations, professions, and trends.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall  
Evening Semesters:

## [HIT112](#)

## Health Law & Ethics

This course covers legislative and regulatory processes, legal terminology, and professional-related and practice-related ethical issues. Topics include confidentiality; privacy and security policies, procedures and monitoring; release of information policies and procedures; and professional-related and practice-related ethical issues. Upon completion, students should be able to apply policies and procedures for access and disclosure of Protected Health Information and apply and promote ethical standards.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Spring

Evening Semesters:

### [HIT114](#)

## Health Data Systems/Standards

This course covers basic concepts and techniques for managing and maintaining health data systems. Topics include structure and use of health information including collection tools, data resources and sets, storage and retrieval, quality, and integrity of healthcare data. Upon completion, students should be able to monitor and apply organization-wide health data documentation guidelines and comply with regulatory standards.

Lecture Hours:

2.00

Lab Hours:

3.00

Credit Hours:

3.00

Day Semesters:

Fall

Evening Semesters:

### [HIT122](#)

## Prof Practice Exp I

This course provides supervised clinical experience in healthcare settings. Emphasis is placed on practical application of curriculum concepts to the healthcare setting. Upon completion, students should be able to apply health information theory to healthcare facility practices.

Lecture Hours:

Lab Hours:

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

### [HIT124](#)

## Professional Practice Exp. II

This course provides supervised clinical experience in health care settings. Emphasis is placed on practical application of curriculum concepts to the health care setting. Upon completion, students should be able to apply health information theory to health care facility practices.

Lecture Hours:

0.00

Lab Hours:

0.00

Credit Hours:

1.00

Day Semesters:

Spring

Evening Semesters:

### [HIT210](#)

## Health Care Statistics

This course covers maintenance, compilation, analysis, and presentation of health care statistics and research protocols and techniques. Topics include basic statistical principles, indices, databases, registries, vital statistics, descriptive statistics, research protocol monitoring, Institutional Review Board processes, and knowledge-based research techniques. Upon completion, students should be able to apply, interpret, and present healthcare statistics and utilize research techniques to gather and interpret healthcare data.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall  
Evening Semesters:

## [HIT211](#)

### **ICD Coding**

This course covers ICD diagnostics and procedural coding conventions and guidelines for inpatient, outpatient, and ambulatory care. Emphasis is placed on a comprehensive application of anatomy, physiology and interrelationships among organ systems. Upon completion, students should be able to accurately assign and sequence diagnostic and procedural codes for patient outcomes, statistical and reimbursement purposes.

Lecture Hours:  
3.00  
Lab Hours:  
6.00  
Credit Hours:  
4.00  
Day Semesters:  
Fall  
Evening Semesters:

## [HIT214](#)

### **CPT/Other Coding Systems**

This course covers application of principles and guidelines of CPT/HCPCS coding. Topics include clinical classification/nomenclature systems such as SNOMED, DSM, ICD-O, and the use of encoders. Upon completion, students should be able to apply coding principles to correctly assign CPT/HCPCS codes.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:  
2.00  
Day Semesters:  
Spring  
Evening Semesters:

## [HIT215](#)

### **Reimbursement Methodology**

This course covers reimbursement methodologies used in all healthcare settings as they relate to national billing, compliance, and reporting requirements. Topics include prospective payment systems, billing process and procedures, chargemaster maintenance, regulatory guidelines, reimbursement monitoring, and compliance strategies and reporting. Upon completion, students should be able to perform data quality reviews to validate code assignment and comply with reimbursement and reporting requirements.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:  
2.00  
Day Semesters:  
Spring  
Evening Semesters:

## [HIT216](#)

## Quality Management

This course introduces principles of assessment and improvement, and utilization, risk, and case management in healthcare. Topics include Continuous Quality Improvement and case management processes, data analysis/reporting techniques, credentialing, regulatory quality monitoring requirements, and outcome measures and monitoring. Upon completion, students should be able to abstract, analyze, and report clinical data for facility-wide quality management/performance improvement programs and monitor compliance measures.

Lecture Hours:

1.00

Lab Hours:

3.00

Credit Hours:

2.00

Day Semesters:

Spring

Evening Semesters:

### [HIT218](#)

## Management Principles in HIT

This course covers organizational management concepts as applied to healthcare settings. Topics include roles/functions of teams/committees, leadership, communication and interpersonal skills, designing and implementing orientation/training programs, monitoring workflow, performance standards, revenue cycles, and organizational resources. Upon completion, students should be able to apply management, leadership, and supervisory concepts to various healthcare settings.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Fall

Evening Semesters:

### [HIT220](#)

## Computers in Health Care

This course covers electronic health information systems and their design, implementation, and application. Topics include voice recognition and imaging technology, information security and integrity, data dictionaries, modeling, and warehousing to meet departmental needs. Upon completion, students should be able to apply policies/procedures to facilitate electronic health records and other administrative applications.

Lecture Hours:

1.00

Lab Hours:

2.00

Credit Hours:

2.00

Day Semesters:

Spring

Evening Semesters:

### [HIT222](#)

## Professional Practice Exp III

This course provides supervised clinical experience in health care settings. Emphasis is placed on practical application of curriculum concepts to the health care setting. Upon completion, students should be able to apply health information theory to health care facility practices.

Lecture Hours:

0.00

Lab Hours:

0.00

Credit Hours:

2.00

Day Semesters:

Spring

Evening Semesters:

## Professional Practice Exp IV

This course provides supervised clinical experience in health care settings. Emphasis is placed on practical application of curriculum concepts to the health care setting. Upon completion, students should be able to apply health information theory to health care facility practices.

Lecture Hours:

0.00

Lab Hours:

0.00

Credit Hours:

2.00

Day Semesters:

Fall

Evening Semesters:

## [HIT226](#)

### Principles of Disease

This course covers disease etiology and organ system involvement, including physical signs and symptoms, prognoses, and common complications and their management. Topics include basic microbiology, basic pharmacology, and principles of disease. Upon completion, students should be able to relate disease processes to etiology, physical signs and symptoms, prognosis, and common complications and their management.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Fall

Evening Semesters:

## [HIT280](#)

### Professional Issues

This course provides a comprehensive discussion of topics common to the health information profession. Emphasis is placed on application of professional competencies, job search tools, and preparation for the certification examination. Upon completion, students should be able to demonstrate competence in entry-level domains and subdomains for health information technologies.

Lecture Hours:

2.00

Lab Hours:

0.00

Credit Hours:

2.00

Day Semesters:

Spring

Evening Semesters:

## [HSC110](#)

### Orientation to Health Careers

This course is a survey of health care professions. Topics include professional duties and responsibilities, working environments, and career choices. Upon completion, students should be able to demonstrate an understanding of the health care professions and be prepared to make informed career choices.

Lecture Hours:

1.00

Lab Hours:

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

## [HSC120](#)

## **Lifestyles Trainer**

This course covers the skills necessary to become a health lifestyles trainer. Emphasis is placed on the utilization of service learning as a way of changing students' health-related behaviors. Upon completion, students should be able to teach healthier lifestyles to others.

Lecture Hours:

1.00

Lab Hours:

4.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [HSC140](#)

### **Transcultural Healthcare**

This course is designed to introduce students to healthcare issues related to care of diverse populations. Topics include historical and theoretical foundations of transcultural healthcare, delivering services across the lifespan and caring for diverse persons in various healthcare settings. Upon completion, students should be able to provide culturally competent healthcare to individuals, families, groups, communities and institutions.

Lecture Hours:

2.00

Lab Hours:

0.00

Credit Hours:

2.00

Day Semesters:

Evening Semesters:

## [HSE110](#)

### **Introduction to Human Services**

This course introduces the human services field, including the history, agencies, roles, and careers. Topics include personal/professional characteristics, diverse populations, community resources, disciplines in the field, systems, ethical standards, and major theoretical and treatment approaches. Upon completion, students should be able to identify the knowledge, skills, and roles of the human services worker.

Lecture Hours:

2.00

Lab Hours:

2.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [HSE112](#)

### **Group Process I**

This course introduces interpersonal concepts and group dynamics. Emphasis is placed on self-awareness, facilitated by experiential learning in small groups with analysis of personal experiences and the behavior of others. Upon completion, students should be able to show competence in identifying and explaining how people are influenced by their interactions in group settings.

Lecture Hours:

1.00

Lab Hours:

2.00

Credit Hours:

2.00

Day Semesters:

Evening Semesters:

## [HSE123](#)

### **Interviewing Techniques**

This course covers the purpose, structure, focus, and techniques employed in effective interviewing. Emphasis is placed on observing, attending, listening, responding, recording, and summarizing of personal histories with instructor supervision. Upon completion, students

should be able to perform the basic interviewing skills needed to function in the helping relationship.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [HSE125](#)

### **Counseling**

This course covers the major approaches to psychotherapy and counseling, including theory, characteristics, and techniques. Emphasis is placed on facilitation of self-exploration, problem solving, decision-making, and personal growth. Upon completion, students should be able to understand various theories of counseling and demonstrate counseling techniques.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [HSE127](#)

### **Conflict Resolution**

This course introduces conflict resolution and mediation theory and practice. Emphasis is placed on achieving compromise and a win/win perception. Upon completion, students should be able to demonstrate competence in identifying seemingly dissimilar positions and facilitating agreement.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [HSE160](#)

### **HSE Clinical Supervis I**

This course provides an opportunity to discuss clinical experiences with peers and faculty. Emphasis is placed on discussing application of concepts and principles from related course content to clinical placement. Upon completion, students should be able to demonstrate the knowledge, skills, and attitudes required in human services clinical experiences.

Lecture Hours:  
1.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [HSE163](#)

### **HSE Clinical Exp I**

This course provides supervised clinical experiences in human services delivery agencies. Emphasis is placed on the application and practice of concepts, principles, knowledge, and skills from related course work. Upon completion, students should be able to demonstrate and apply skills, knowledge, and even values from human services classes.

Lecture Hours:  
0.00

288



Lab Hours:  
9.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [HSE210](#)

### **Human Services Issues**

This course covers current issues and trends in the field of human services. Emphasis is placed on contemporary topics with relevance to special issues in a multi-faceted field. Upon completion, students should be able to integrate the knowledge, skills, and experiences gained in classroom and clinical experiences with emerging trends in the field.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [HSE220](#)

### **Case Management**

This course covers the variety of tasks associated with professional case management. Topics include treatment planning, needs assessment, referral procedures, and follow-up and integration of services. Upon completion, students should be able to effectively manage the care of the whole person from initial contact through termination of services.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [HSE225](#)

### **Crisis Intervention**

This course introduces the basic theories and principles of crisis intervention. Emphasis is placed on identifying and demonstrating appropriate and differential techniques for intervening in various crisis situations. Upon completion, students should be able to assess crisis situations and respond appropriately.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [HSE227](#)

### **Children & Adolescents in Crisis**

Lecture Hours:  
Lab Hours:  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [HSE242](#)

### **Family Systems**

This course introduces the concepts of family structure as a system and includes the impact of contemporary society on the family. Topics include systems theory, family structure, blended families, divorce, adoption, and the elderly. Upon completion, students should be able to demonstrate an understanding of families as a system and the impact of changes on family structure.

6.1.14

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [HTO110](#)

### **Introduction to Histotechnology**

This course provides an introduction to histology laboratory operations and the professional responsibilities of the histologic technician. Emphasis is placed on organization, terminology, specimen accession, record keeping, quality assurance, OSHA regulations, quality improvement, principles and concepts of medical ethics, and legal issues. Upon completion, students should be able to demonstrate an understanding of the requirements and responsibilities of the daily operation of a histology laboratory.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [HTO120](#)

### **Histology**

This course provides an overview of the microscopic arrangement and identification of cells and tissues in the human body. Emphasis is placed on classification and relationships of the structure and function of microscopic systems. Upon completion, students should be able to microscopically identify cells, tissues, and organs of the human body.

Lecture Hours:  
4.00  
Lab Hours:  
3.00  
Credit Hours:  
5.00  
Day Semesters:  
Evening Semesters:

## [HTO130](#)

### **Histotechniques**

This course covers a variety of histologic techniques. Emphasis is placed on dissection, fixation, tissue processing, embedding, decalcification, cytology preparation techniques, and frozen sectioning. Upon completion, students should be able to dissect, process, cut and stain high quality tissue sections.

Lecture Hours:  
4.00  
Lab Hours:  
3.00  
Credit Hours:  
5.00  
Day Semesters:  
Evening Semesters:

## [HTO140](#)

### **Histochemistry**

This course covers enzyme and immunological reactions as they relate to tissue staining. Emphasis is placed on basic, special, and immunohistochemical staining. Upon completion, students should be able to produce basic and special stains and be able to stain high quality tissue sections.

Lecture Hours:  
4.00  
Lab Hours:  
3.00  
Credit Hours:  
5.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [HTO210](#)

### **Histopathology**

This course provides students with the correlation between histologic procedures and disease processes. Emphasis is placed on the changes to tissue associated with various disease states and the use of selected special stains and techniques to identifying processes. Upon completion, students should be able to process tissue samples or apply stain, and prepare tissue to be viewed under a microscope.

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [HTO220](#)

### **Histotechnology Clinical**

This course provides entry-level histotechnician clinical experience in an approved clinical histology laboratory. Emphasis is placed on learning and performing routine laboratory operations and the production of a slide set for practical component of the certification examination. Upon completion, students should be able to demonstrate proficiency in histologic techniques and be prepared to take the Histology Technician certification exam.

Lecture Hours:  
0.00  
Lab Hours:  
Credit Hours:  
8.00  
Day Semesters:  
Evening Semesters:

## [HTO230](#)

### **Professional Issues**

This course provides the practical application and integration is histology theory and practice using case studies. Topics include laboratory operations and accreditation processes, professional and ethical issues, laboratory management principles and preparation for the certification examination. Upon completion, students should be able to demonstrate beginning level skills as histotechnicians and be prepared to sit for the histotechnician certification exam.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [HUM110](#)

### **Technology & Society (CAA)**

This course considers technological change from historical, artistic, and philosophical perspectives and its effect on human needs and concerns. Emphasis is placed on the causes and consequences of technological change. Upon completion, students should be able to critically evaluate the implications of technology.

Lecture Hours:  
3.00  
Lab Hours:

0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## HUM115

### **Critical Thinking (CAA)**

This course introduces the use of critical thinking skills in the context of human conflict. Emphasis is placed on evaluating information, problem solving, approaching cross-cultural perspectives, and resolving controversies and dilemmas. Upon completion, students should be able to demonstrate orally and in writing the use of critical thinking skills in the analysis of appropriate texts.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall, Spring  
Evening Semesters:

## HUM120

### **Cultural Studies (CAA)**

This course introduces the distinctive features of a particular culture. Topics include art, history, music, literature, politics, philosophy, and religion. Upon completion, students should be able to appreciate the unique character of the study culture.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall, Spring  
Evening Semesters:

## HUM220

### **Human Values and Meaning**

This course presents some major dimensions of human experience as reflected in art, music, literature, philosophy, and history. Topics include the search for identity, the quest for knowledge, the need for love, the individual and society, and the meaning of life. Upon completion, students should be able to recognize interdisciplinary connections and distinguish between open and closed questions and between narrative and scientific models of understanding.

Lecture Hours:  
3.00  
Lab Hours:  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## HUMANITIES/FINE ARTS ELECTIVE

Lecture Hours:  
Lab Hours:  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## HYD110

### **Hydraulics/Pneumatics I**

This course introduces the basic components and function of hydraulic and pneumatic systems. Topics include standard symbols, pumps,

control valves, control assemblies, actuators, FRL, maintenance procedures, and switching and control devices. Upon completion, students should be able to understand the operation of a fluid power system, including design, application, and troubleshooting.

6.1.14

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [HYD112](#)

### **Hydraulics/Med/Heavy Duty**

This course introduces hydraulic theory and applications as applied to mobile equipment. Topics include component studies such as pumps, motors, valves, cylinders, filters, reservoirs, lines, and fittings. Upon completion, students should be able to identify, diagnose, test, and repair hydraulic systems using schematics and technical manuals.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [HYD180](#)

### **Fluid Power in Automation**

This course introduces the basic components and functions of hydraulic and pneumatic systems and their application to automated machinery. Topics include standard symbols, compressors, control valves, control circuits, actuators, maintenance procedures, switching and control devices as applied to automated machinery. Upon completion, students should be able to demonstrate an understanding of the operation of hydraulic fluid and compressed air and vacuum systems including design, troubleshooting, and applications.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [HYD210](#)

### **Advanced Hydraulics**

This course covers advanced hydraulic systems. Emphasis is placed on advanced hydraulic systems and components. Upon completion, students should be able to demonstrate an understanding of the installation, application, operation, and maintenance of hydraulic components and systems.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [INT110](#)

### **International Business**

This course provides an overview of the environment, concepts, and basic differences involved in international business. Topics include forms of foreign involvement, international trade theory, governmental influences on trade and strategies, international organizations, multinational corporations, personal management, and international marketing. Upon completion, students should be able to describe the foundation of international business.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## ISC112

### **Industrial Safety**

This course introduces the principles of industrial safety. Emphasis is placed on industrial safety, OSHA, and environmental regulations. Upon completion, students should be able to demonstrate knowledge of a safe working environment and OSHA compliance.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## ISC132

### **Manufacturing Quality Control**

This course introduces quality concepts and techniques used in industry. Topics include elementary statistics and probability, process control, process capability, and quality improvement tools. Upon completion, students should be able to demonstrate an understanding of the concepts and principles of quality and apply them to the work environment.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## ISC212

### **Metrology**

This course covers the principles and techniques of modern practical metrology and inspection methods. Topics include precision, accuracy, standards, and calibration. Upon completion, students should be able to perform various roles within a metrology system.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## ISC220

### **Lean Manufacturing**

This course introduces students to the concept of lean manufacturing as a means of waste reduction. Topics include the examination of manufacturing operations and the incorporation of lean techniques to reduce waste, cost, time, and materials in manufacturing processes. Upon completion, students should be able to demonstrate an understanding of lean manufacturing systems and how they benefit the environment and business.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:

3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## JOU110

### **Introduction to Journalism**

This course presents a study of journalistic news, feature, and sports writing. Emphasis is placed in basic news writing techniques and on related legal and ethical issues. Upon completion, students should be able to gather, write, and edit news, feature, and sports articles.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## JPN111

### **Elementary Japanese I (CAA)**

This course introduces the basic fundamentals of the Japanese language within a cultural context of the Japanese people and its history. Emphasis is placed on the basic skills in speaking, reading, writing, and comprehension of spoken language. Upon completion, students should be able to have a communicative competence in speaking, listening comprehension, reading, and writing at a beginning level with attention to cultural awareness.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## JPN112

### **Elementary Japanese II (CAA)**

This course continues the basic fundamentals of the Japanese language within a cultural context of the Japanese people and its history. Emphasis is placed on the basic skills in speaking, reading, writing, and comprehension of spoken language. Upon completion, students should be able to have a communicative competence in speaking, listening comprehension, reading, and writing at a beginning level with attention to cultural awareness.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## JPN181

### **Japanese Lab I (CAA)**

This course provides an opportunity to enhance acquisition of the fundamental elements of the Japanese language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of various supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written Japanese and demonstrate cultural awareness.

Lecture Hours:  
0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00  
Day Semesters:

[JPN182](#)**Japanese Lab II (CAA)**

This course provides an opportunity to enhance acquisition of the fundamental elements of the Japanese language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of various supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written Japanese and demonstrate cultural awareness.

Lecture Hours:

0.00

Lab Hours:

2.00

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

[JPN211](#)**Intermediate Japanese I (CAA)**

This course includes communicative competence in speaking, listening comprehension, reading, and writing at an intermediate level with attention to cultural awareness. Emphasis is placed on intermediate skills in speaking, reading, writing, and comprehension of spoken language. Upon completion, students should be able to carry on simple daily conversations, read and write "Katakana" and "Hiragana," and to comprehend simple written sentences with some "Kanji" (Chinese characters) included.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

[JPN211](#)**Intermediate Japanese II (CAA)**

This course provides a continuation of communicative competence in speaking, listening, comprehension, reading, and writing at an intermediate level with attention to cultural awareness. Emphasis is placed on intermediate skills in speaking, reading, writing, and comprehension of spoken language. Upon completion, students should be able to carry on simple daily conversations, read and write "Katakana" and "Hiragana," and to comprehend simple written sentences with some "Kanji" (Chinese characters) included.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

[LEX110](#)**Introduction to Paralegal Study**

This course introduces the paralegal profession and the legal system, and an emphasis is placed on the roll of professional and legal ethics. Topics include regulations, ethics, case analysis, legal reasoning, career opportunities, professional organizations, terminology, and other related topics. Upon completion, the student should be able to explain the role of a paralegal and identify the skills, knowledge, and ethics required of paralegals.

Lecture Hours:

2.00

Lab Hours:

0.00

Credit Hours:

2.00

Day Semesters:



[LEX120](#)**Legal Research/Writing I**

This course introduces the techniques of legal research and writing. Emphasis is placed on locating, analyzing, applying, and updating sources of law; effective legal writing, including proper citation; and the use of electronic research methods. Upon completion, students should be able to perform legal research and writing assignments using techniques covered in the course.

Lecture Hours:

2.00

Lab Hours:

2.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

[LEX121](#)**Legal Research/Writing II**

This course covers advanced topics in legal research and writing. Topics include more complex legal issues and assignments involving preparation of legal memos, briefs, and other documents and the advanced use of electronic research methods. Upon completion, students should be able to perform legal research and writing assignments using techniques covered in the course.

Lecture Hours:

2.00

Lab Hours:

2.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

[LEX130](#)**Civil Injuries**

This course covers traditional tort concepts and the evolving body of individual rights created by statute. Topics include intentional and non-intentional torts with emphasis on negligence, strict liability, civil rights, workplace and environmental liability, remedies, and damages. Upon completion, students should be able to recognize, explain, and evaluate elements of civil injuries and related defenses.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

[LEX140](#)**Civil Litigation I**

This course introduces the structure of the legal system and the rules governing civil litigation. Topics include jurisdiction, state and federal rules of civil procedure and evidence. Upon completion, students should be able to assist an attorney in the preparation of pleadings and motions.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

[LEX141](#)

## **Civil Litigation II**

This course covers advanced topics in the civil litigation process. Topics include motions, discovery, and trial and appellate procedures. Upon completion, students should be able to assist an attorney in preparing and organizing documents for trial, settlement, and post-trial practice.

Lecture Hours:

2.00

Lab Hours:

2.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

### [LEX150](#)

## **Commercial Law I**

This course covers legally enforceable agreements, forms of organization, and selected portions of the Uniform Commercial Code. Topics include drafting and enforcement of contracts, leases, and related documents and selection and implementation of business organization forms, sales, and commercial papers. Upon completion, students should be able to apply the elements of a contract, prepare various business documents, and understand the role of commercial paper.

Lecture Hours:

2.00

Lab Hours:

2.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

### [LEX210](#)

## **Real Property I**

This course introduces the study of real property law. Topics include the distinction between real and personal property, various estates, mechanics of conveyance and encumbrance, recordation, special proceedings, and other related topics. Upon completion, students should be able to identify estates, forms of deeds, requirements for recording, and procedures to enforce rights to real property.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

### [LEX211](#)

## **Real Property II**

This course continues the study of real property law relating to title examination and preparation of closing documents. Topics include use of courthouse and other public records in title examination and preparation of documents required in real estate transactions and closings. Upon completion, students should be able to plot/draft a description, perform complete title examination, draft closing documents including title insurance forms, and prepare disbursement reconciliation.

Lecture Hours:

1.00

Lab Hours:

4.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

### [LEX240](#)

## **Family Law**

This course covers laws governing domestic relations. Topics include marriage, separation, divorce, child custody, support, property division, adoption, domestic violence, and other related topics. Upon completion, students should be able to interview clients, gather information, and draft documents related to family law.

6.1.14

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [LEX250](#)

### **Wills, Estates & Trusts**

This course covers various types of wills, trusts, probate, estate administration, and intestacy. Topics include types of wills and execution requirements, caveats and dissents, intestate succession, inventories and accountings, distribution and settlement, and other related topics. Upon completion, students should be able to draft simple wills, prepare estate forms, understand administration of estates including taxation, and explain terms regarding trusts.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [LEX280](#)

### **Ethics & Professionalism**

This course reinforces legal ethics and the role of the paralegal in a professional work environment. Topics include a review of ethics, employment opportunities, and search techniques; paralegal certification; and other related topics. Upon completion, students should be able to understand the paralegal's role in the ethical practice of law.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [LEX286](#)

### **Medical Evidence Analysis**

This course is designed to teach reading and analyzing medical records for legal evaluation of bodily injury and disability claims. Emphasis is placed on terminology, identifying, obtaining and reviewing medical records and study of the major systems of the human body. Upon completion, students will be able to compile, analyze and organize medical documents to support or disprove injury claims.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [LEX288](#)

### **Elder Law**

This course provides an overview of laws especially relevant to older persons. Topics include health care decision-making, living wills, powers of attorney, financial and estate planning, government benefits, housing issues, elder abuse, and ethical considerations. Upon completion, students should be able to assist an attorney in addressing legal issues pertinent to the elderly.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## LOG110

### **Introduction to Logistics**

This course provides an overview of logistics. Topics include traffic management, warehousing, inventory control, material handling, global logistics, and the movement and storage of goods from raw materials sources to end consumers. Upon completion, students should be able to identify the different segments of logistics and use the terminology of the industry.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## LOG125

### **Transportation Logistics**

This course covers the role and importance of the transportation industry. This is an overview of transportation emphasizing its environmental and sociological aspects, economic impact, services, regulatory guidelines, policies, and its future. Upon completion, students should be able to identify modes of transportation, interpret governing regulations, and describe the principles and terminology used in the transportation industry.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## LOG210

### **Fleet Management**

This course covers the management of transportation, fleet operations, and safety. Emphasis is placed on DOT safety regulations in the hiring, training, and supervision of drivers in transportation. Upon completion, students should be able to write a safety program for drivers involved in interstate commerce following DOT regulations.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## LOG211

### **Distribution Management**

This course covers the functions, techniques, and tools utilized in warehousing and distribution centers and their role in business and logistics. Emphasis is placed on warehouse and distribution center management, operations, productivity, software systems, picking, automation, cross docking, safety, security, material handling, benchmarking, and cost. Upon completion, students should be able to describe the role of warehouses and distribution centers, apply industry principles and terminology, and understand distribution productivity measures.

Lecture Hours:

2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [LOG215](#)

### **Supply Chain Management**

This course covers all activities involved in the flow of products and information between the suppliers, customers, producers, and service providers. Topics include acquiring, purchasing, manufacturing, assembling, and distributing goods and services throughout the supply chain organizations. Upon completion, students should be able to identify the supply chain units, describe the materials management processes, and prepare for the APICS CPIM examination.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [LOG235](#)

### **Import/Export Management**

This course introduces the elements of import and export operations, from transportation to documentation, finance, and security and the effects of the global supply chain. Emphasis is placed on existing import/export regulations, customs documentation, intermodal transportation, foreign freight forwarders, global technology, and homeland security initiatives. Upon completion, students should be able to perform import/export operations, channels of distribution, implemented technologies, and associate with operating a secure supply chain.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [LOG240](#)

### **Purchasing Logistics**

This course introduces the various aspects of purchasing and their impact on materials management, supply chain, transportation, and global logistics processes. Emphasis is placed on the different methods of electronic sourcing, negotiating and pricing principles, and on the internal and external considerations associated with international logistics. Upon completion, students should be able to describe and apply the principles and terminology used in procurement including electronic data interchange services, purchasing and logistics systems.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [LOG250](#)

### **Advanced Global Logistics**

This course covers the advanced application of global operations and logistics strategies, planning, technology, risk, and management necessary to cope with the global business environment. Emphasis is placed on an in-depth understanding of global sourcing, shipping, tracking, and e-logistics systems necessary to operate inbound/outbound logistics in a global market. Upon completion, students should be able to identify the different global markets and logistics technology available to process international inbound/outbound logistics

transactions.

Lecture Hours:  
3.00  
Lab Hours:  
2.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [MAC121](#)

### **Introduction to CNC**

This course introduces the concepts and capabilities of computer numerical control machine tools. Topics include setup, operation, and basic applications. Upon completion, students should be able to explain operator safety, machine protection, data input, program preparation, and program storage.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [MAC122](#)

### **CNC Turning**

This course introduces the programming, setup, and operation of CNC turning centers. Topics include programming formats, control functions, program editing, part production, and inspection. Upon completion, students should be able to manufacture simple parts using CNC turning centers.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [MAC124](#)

### **CNC Milling**

This course introduces the manual programming, setup, and operation of CNC machining centers. Topics include programming formats, control functions, program editing, part production, and inspection. Upon completion, students should be able to manufacture simple parts using CNC machining centers.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [MAC141](#)

### **Machining Applications I**

This course provides an introduction to a variety of material-working processes that are common to the machining industry. Topics include safety, process-specific machining equipment, measurement devices, set-up and layout instruments, and common shop practices. Upon completion, students should be able to safely demonstrate basic machining operations, accurately measure components, and effectively use layout instruments.

Lecture Hours:

2.00  
Lab Hours:  
6.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [MAC142](#)

### **Machining Applications II**

This course provides instruction in the wide variety of processes associated with machining. Topics include safety, equipment set-up, holding fixtures, tooling, cutting speeds and depths, metal properties, and proper finishes. Upon completion, students should be able to safely demonstrate advanced machining operations, accurately measure components, and produce accurate components with a proper finish.

Lecture Hours:  
2.00  
Lab Hours:  
6.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [MAC151](#)

### **Machining Calculations**

This course introduces basic calculations as they relate to machining occupations. Emphasis is placed on basic calculations and their applications in the machine shop. Upon completion, students should be able to perform basic shop calculations.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [MAC160](#)

### **Coordinate Measuring Machining**

This course introduces methods in the setup and operation of coordinate measuring machines. Emphasis is placed on the programming of coordinate measuring machines and the measurement of complex parts. Upon completion, students should be able to demonstrate skills in programming, operation, and setup of coordinate measuring machines.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [MAC222](#)

### **Advanced CNC Turning**

This course covers advanced methods in setup and operation of CNC turning centers. Emphasis is placed on programming and production of complex parts. Upon completion, students should be able to demonstrate skills in programming, operations, and setup of CNC turning centers.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:

2.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [MAC224](#)

### **Advanced CNC Milling**

This course covers advanced methods in setup and operation of CNC machining centers. Emphasis is placed on programming and production of complex parts. Upon completion, students should be able to demonstrate skills in programming, operation, and setup of CNC machine centers.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [MAC234](#)

### **Advanced Multi-Axis Machining**

This course includes multi-axis machining using machining centers with multi-axis capabilities. Emphasis is placed on generation of machining center input with a CAM system and setup of pallet changer and rotary system for multi-axis machining fixtures. Upon completion, students should be able to convert CAD to output for multi-axis machining centers, including tooling, setup, and debugging processes.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [MAC234A](#)

### **Advanced Multi-Axis Machining Lab**

This course covers the application of multi-axis machining using machining centers with multi-axis capabilities. Emphasis is placed on generation of machining center input with a CAM system and setup of pallet changer and rotary system for multi-axis machining fixtures. Upon completion, students should be able to convert CAD to output for multi-axis machining centers, including tooling, setup, and debugging processes.

Lecture Hours:  
0.00  
Lab Hours:  
3.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [MAT110](#)

### **Math Measurement & Literacy**

This course provides an activity-based approach that develops measurement skills and mathematical literacy using technology to solve problems for non-math intensive programs. Topics include unit conversions and estimation within a variety of measurement systems; ratio and proportion; basic geometric concepts; financial literacy; and statistics including measures of central tendency, dispersion, and charting of data. Upon completion, students should be able to demonstrate the use of mathematics and technology to solve practical problems, and to analyze and communicate results.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:



## [MAT121](#)

### **Algebra/Trigonometry I**

This course provides an integrated approach to technology and the skills required to manipulate, display, and interpret mathematical functions and formulas used in problem solving. Topics include simplification, evaluation, and solving of algebraic and radical functions; complex numbers; right triangle trigonometry; systems of equations; and the use of technology. Upon completion, students should be able to demonstrate an understanding of the use of mathematics and technology to solve problems and analyze and communicate results.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [MAT143](#)

### **Quantitative Literacy (CAA)**

This course is designed to engage students in complex and realistic situations involving the mathematical phenomena of quantity, change and relationship, and uncertainty through project- and activity-based assessment. Emphasis is placed on authentic contexts which will introduce the concepts of numeracy, proportional reasoning, dimensional analysis, rates of growth, personal finance, consumer statistics, practical probabilities, and mathematics for citizenship. Upon completion, students should be able to utilize quantitative information as consumers and to make personal, professional, and civic decisions by decoding, interpreting, using, and communicating quantitative information found in modern media and encountered in everyday life.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [MAT152](#)

### **Statistical Methods I (CAA)**

This course provides a project-based approach to introductory statistics with an emphasis on using real-world data and statistical literacy. Topics include descriptive statistics, correlation and regression, basic probability, discrete and continuous probability distributions, confidence intervals and hypothesis testing. Upon completion, students should be able to use appropriate technology to describe important characteristics of a data set, draw inferences about a population from sample data, and interpret and communicate results.

Lecture Hours:  
3.00  
Lab Hours:  
2.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [MAT171](#)

### **Precalculus Algebra (CAA)**

This is the first of two courses designed to emphasize topics, which are fundamental to the study of calculus. Emphasis is placed on equations and inequalities, functions (linear, polynomial, rational), systems of equations and inequalities, and parametric equations. Upon completion, students should be able to solve practical problems and use appropriate models for analysis and predictions.

Lecture Hours:  
3.00  
Lab Hours:  
2.00

Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [MAT171A](#)

### **Precalculus Algebra Lab (CAA)**

This course is a laboratory for MAT 171. Emphasis is placed on experiences that enhance the materials presented in the class. Upon completion, students should be able to solve problems, apply critical thinking, work in teams, and communicate effectively.

Lecture Hours:  
0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [MAT172](#)

### **Precalculus Trigonometry (CAA)**

This is the second of two courses designed to emphasize topics, which are fundamental to the study of calculus. Emphasis is placed on properties and applications of transcendental functions and their graphs, right and oblique triangle trigonometry, conic sections, vectors and polar coordinates. Upon completion, students should be able to solve practical problems and use appropriate models for analysis and prediction.

Lecture Hours:  
3.00  
Lab Hours:  
2.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [MAT172A](#)

### **Precalculus Trigonometry Lab (CAA)**

This course is a laboratory for MAT 172. Emphasis is placed on experiences that enhance the materials presented in the class. Upon completion, students should be able to solve problems, apply critical thinking, work in teams, and communicate effectively.

Lecture Hours:  
0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [MAT271](#)

### **Calculus I (CAA)**

This course covers in depth the differential calculus portion of a three-course calculus sequence. Topics include limits, continuity, derivatives, and integrals of algebraic and transcendental functions of one variable, with applications. Upon completion, students should be able to apply differentiation and integration techniques to algebraic and transcendental functions.

Lecture Hours:  
3.00  
Lab Hours:  
2.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

### **Calculus II (CAA)**

This course provides a rigorous treatment of integration and is the second calculus course in a three-course sequence. Topics include applications of definite integrals, techniques of integration, indeterminate forms, improper integrals, infinite series, conic sections, parametric equations, polar coordinates, and differential equations. Upon completion, students should be able to use integration and approximation techniques to solve application problems.

Lecture Hours:  
3.00  
Lab Hours:  
2.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

### [MAT273](#)

### **Calculus III (CAA)**

This course covers the calculus of several variables and is third calculus course in a three-course sequence. Topics include functions of several variables, partial derivatives, multiple integrals, solid analytical geometry, vector-valued functions, and line and surface integrals. Upon completion, students should be able to solve problems involving vectors and functions of several variables.

Lecture Hours:  
3.00  
Lab Hours:  
2.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

### [MAT280](#)

### **Linear Algebra (CAA)**

This course provides a study of linear algebra topics with emphasis on the development of both abstract concepts and applications. Topics include vectors, systems of equations, matrices, determinants, vector spaces, linear transformations in two or three dimensions, eigenvectors, eigenvalues, diagonalization and orthogonality. Upon completion, students should be able to demonstrate both an understanding of the theoretical concepts and appropriate use of linear algebra models to solve application problems.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

### [MAT285](#)

### **Differential Equations (CAA)**

This course provides an introduction to ordinary differential equations with an emphasis on applications. Topics include first-order, linear higher-order, and systems of differential equations; numerical methods; series solutions; eigenvalues and eigenvectors; Laplace transforms; and Fourier series. Upon completion, students should be able to use differential equations to model physical phenomena, solve the equations, and use the solutions to analyze the phenomena.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

### [MCM111](#)

## **Motorcycle Mechanics**

This course covers the proper nomenclature of parts and components of motorcycles, ATVs, and personal watercraft. Topics include theory of operation, differences of operation, preventive maintenance, and operating principles involved in servicing and repairing motorcycles, ATVs, and personal watercraft. Upon completion, students should be able to perform basic inspection, diagnosis, repair, and/or adjustment of motorcycles, ATVs, and personal watercraft.

Lecture Hours:

3.00

Lab Hours:

8.00

Credit Hours:

7.00

Day Semesters:

Evening Semesters:

### [MCM114](#)

## **Motorcycle Fuel Systems**

This course introduces various types of fuels and fuel systems used in motorcycle internal combustion engines. Emphasis is placed on the theory and principles of carburetion and fuel injection. Upon completion, students should be able to service, disassemble, inspect, reassemble, and adjust to manufacturers' specifications the components of various fuel systems.

Lecture Hours:

2.00

Lab Hours:

6.00

Credit Hours:

5.00

Day Semesters:

Evening Semesters:

### [MCM115](#)

## **Motorcycle Chassis**

This course covers chassis adjustments, components, and types and uses of frames and suspensions. Emphasis is placed on proper and safe use of tools and equipment in servicing and maintaining motorcycle chassis. Upon completion, students should be able to service and repair motorcycle chassis systems and suspension components.

Lecture Hours:

1.00

Lab Hours:

6.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

### [MCM116](#)

## **Troubleshooting**

This course covers shop procedures for fast and accurate diagnosis of problems in the electrical, mechanical, and fuel systems of motorcycles. Emphasis is placed on developing a logical sequence of diagnostic procedures. Upon completion, students should be able to diagnose problems in the electrical, mechanical, and fuel systems of motorcycles.

Lecture Hours:

2.00

Lab Hours:

6.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

### [MCM122](#)

## **Motorcycle Engines**

This course covers the construction and operation of components in internal combustion engines used in modern motorcycles. Topics

include two- and four-cycle engines, power trains, and final drive systems. Upon completion, students should be able to disassemble, inspect, measure, reassemble, and operationally test two- and four-cycle motorcycle engines.

6.1.14

Lecture Hours:  
2.00  
Lab Hours:  
9.00  
Credit Hours:  
5.00  
Day Semesters:  
Evening Semesters:

## [MEC110](#)

### **Introduction to CAD/CAM**

This course introduces CAD/CAM. Emphasis is placed on transferring part geometry from CAD to CAM for the development of a CNC-ready program. Upon completion, students should be able to use CAD/CAM software to produce a CNC program.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [MEC130](#)

### **Mechanisms**

This course introduces the purpose and action of various mechanical devices. Topics include cams, cables, gear trains, differentials, screws, belts, pulleys, shafts, levers, lubricants, and other devices. Upon completion, students should be able to analyze, maintain, and troubleshoot the components of mechanical systems.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [MEC142](#)

### **Physical Metallurgy**

This course covers the heat treating of metals. Emphasis is placed on the effects of hardening, tempering, and annealing on the structure and physical properties of metals. Upon completion, students should be able to heat treat materials.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [MEC145](#)

### **Manufacturing Materials I**

This course introduces a variety of manufacturing materials and common processing techniques. Emphasis is placed on the processing, testing, and application of materials such as wood, metals, plastics, ceramics, and composites. Upon completion, students should be able to demonstrate an understanding of fundamental engineering applications for a variety of materials including their process capabilities and limitations.

Lecture Hours:  
2.00

Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## MED110

### **Orientation to Medical Assisting**

This course covers the history of medicine and the role of the medical assistant in the health care setting. Emphasis is placed on professionalism, communication, attitude, behaviors, and duties in the medical environment. Upon completion, students should be able to project a positive attitude and promote the profession of medical assisting.

Lecture Hours:  
1.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00  
Day Semesters:  
Fall  
Evening Semesters:

## MED114

### **Professional Interactions in Health Care**

Lecture Hours:  
Lab Hours:  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## MED118

### **Medical Law & Ethics**

This course covers legal relationships of physicians and patients, contractual agreements, professional liability, malpractice, medical practice acts, informed consent, and bioethical issues. Emphasis is placed on legal terms, professional attitudes, and the principles and basic concepts of ethics and laws involved in providing medical services. Upon completion, students should be able to meet the legal and ethical responsibilities of a multi-skilled health professional.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Fall  
Evening Semesters:

## MED120

### **Survey of Medical Terminology**

This course introduces the vocabulary, abbreviations, and symbols used in the language of medicine. Emphasis is placed on building medical terms using prefixes, suffixes, and word roots. Upon completion, students should be able to pronounce, spell, and define accepted medical terms.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Fall  
Evening Semesters:

## Medical Terminology I

This course introduces prefixes, suffixes, and word roots used in the language of medicine. Topics include medical vocabulary and the terms that relate to the anatomy, physiology, pathological conditions, and treatment of selected systems. Upon completion, students should be able to pronounce, spell, and define medical terms as related to selected body systems and their pathological disorders.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [MED122](#)

### Medical Terminology II

This course is the second in a series of medical terminology courses. Topics include medical vocabulary and the terms that relate to the anatomy, physiology, pathological conditions, and treatment of selected systems. Upon completion, students should be able to pronounce, spell, and define medical terms as related to selected body systems and their pathological disorders.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [MED130](#)

### Administrative Office Procedures I

This course introduces medical office administrative procedures. Topics include appointment processing, written and oral communications, medical records, patient orientation, and safety. Upon completion, students should be able to perform basic administrative skills within the medical environment.

Lecture Hours:

1.00

Lab Hours:

2.00

Credit Hours:

2.00

Day Semesters:

Fall

Evening Semesters:

## [MED131](#)

### Administrative Office Procedures II

This course is the second in a series and provides medical office procedures in both economic and management skills. Topics include physical plant maintenance, equipment and supplies, liability coverage, medical economics, and introductory insurance procedures. Upon completion, students should be able to manage the economics of the medical office and supervise personnel.

Lecture Hours:

1.00

Lab Hours:

2.00

Credit Hours:

2.00

Day Semesters:

Spring

Evening Semesters:

## [MED140](#)

## **Examining Room Procedures I**

This course provides instruction in clinical examining room procedures. Topics include asepsis, infection control, assisting with exams and treatment, patient education, preparation and administration of medications, EKG, vital signs, and medical emergencies. Upon completion, students should be able to demonstrate competence in exam room procedures.

Lecture Hours:

3.00

Lab Hours:

4.00

Credit Hours:

5.00

Day Semesters:

Spring

Evening Semesters:

### [MED150](#)

## **Laboratory Procedures I**

This course provides instruction in basic lab techniques used by the medical assistant. Topics include lab safety, quality control, collection and processing specimens, performing selective tests, phlebotomy, screening and follow-up of test results, and OSHA/CLIA regulations. Upon completion, students should be able to perform basic lab tests/skills based on course topics.

Lecture Hours:

3.00

Lab Hours:

4.00

Credit Hours:

5.00

Day Semesters:

Spring

Evening Semesters:

### [MED232](#)

## **Medical Insurance Coding**

This course is designed to develop coding skills introduced in MED 131. Emphasis is placed on advanced diagnostic and procedural coding in the outpatient facility. Upon completion, students should be able to demonstrate proficiency in coding for reimbursement.

Lecture Hours:

1.00

Lab Hours:

3.00

Credit Hours:

2.00

Day Semesters:

Spring

Evening Semesters:

### [MED240](#)

## **Examining Room Procedures II**

This course is designed to expand and build upon skills presented in MED 140. Emphasis is placed on advanced exam room procedures. Upon completion, students should be able to demonstrate enhanced competence in selected exam room procedures.

Lecture Hours:

3.00

Lab Hours:

4.00

Credit Hours:

5.00

Day Semesters:

Fall

Evening Semesters:

### [MED260](#)

## **MED Clinical Practicum**



This course provides the opportunity to apply clinical, laboratory, and administrative skills in a medical facility. Emphasis is placed on enhancing competence in clinical and administrative skills necessary for comprehensive patient care and strengthening professional communications and interactions. Upon completion, students should be able to function as an entry-level health care professional. 6.1.14

Lecture Hours:  
0.00  
Lab Hours:  
0.00  
Credit Hours:  
5.00  
Day Semesters:  
Summer  
Evening Semesters:

## [MED262](#)

### **Clinical Perspectives**

This course is designed to explore personal and occupational responsibilities of the practicing medical assistant. Emphasis is placed on problems encountered during externships and development of problem-solving skills. Upon completion, students should be able to demonstrate courteous and diplomatic behavior when solving problems in the medical facility.

Lecture Hours:  
1.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00  
Day Semesters:  
Summer  
Evening Semesters:

## [MED270](#)

### **Symptomatology**

This course covers the study of disease symptoms and the appropriate actions taken by medical assistants in a medical facility in relation to these symptoms. Emphasis is placed on interviewing skills and appropriate triage, preparing patients for procedures, and screening test results. Upon completion, students should be able to recognize how certain symptoms relate to specific diseases, recognize emergency situations, and take appropriate actions.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall  
Evening Semesters:

## [MED272](#)

### **Drug Therapy**

This course focuses on major drug groups, including their side effects, interactions, methods of administration, and proper documentation. Emphasis is placed on the theory of drug administration. Upon completion, students should be able to identify, spell, recognize side effects of, and document the most commonly used medications in a physician's office.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Spring  
Evening Semesters:

## [MKT120](#)

### **Principles of Marketing**

This course introduces principles and problems of marketing goods and services. Topics include promotion, placement, and pricing strategies for products. Upon completion, students should be able to apply marketing principles in organizational decision making.

6.1.14

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [MLT110](#)

### **Introduction to MLT**

This course introduces all aspects of the medical laboratory profession. Topics include health care/laboratory organization, professional ethics, basic laboratory techniques, safety, quality assurance, and specimen collection. Upon completion, students should be able to demonstrate a basic understanding of laboratory operations and be able to perform basic laboratory skills.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall  
Evening Semesters:

## [MLT111](#)

### **Urinalysis & Body Fluids**

This course introduces the laboratory analysis of urine and body fluids. Topics include physical, chemical, and microscopic examination of the urine and body fluids. Upon completion, students should be able to demonstrate theoretical comprehension in performing and interpreting urinalysis and body fluid tests.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:  
2.00  
Day Semesters:  
Spring  
Evening Semesters:

## [MLT120](#)

### **Hematology/Hemostasis I**

This course introduces the theory and technology used in analyzing blood cells and the study of hemostasis. Topics include hematology, hemostasis, and related laboratory testing. Upon completion, students should be able to demonstrate theoretical comprehension of hematology/hemostasis, perform diagnostic techniques, and correlate laboratory findings with disorders.

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Spring  
Evening Semesters:

## [MLT125](#)

### **Immunohematology I**

This course introduces the immune system and response; basic concepts of antigens, antibodies, and their reactions; and applications in transfusion medicine and serodiagnostic testing. Emphasis is placed on immunological and blood banking techniques including concepts

of cellular and humoral immunity and pretransfusion testing. Upon completion, students should be able to demonstrate theoretical comprehension in performing and interpreting routine immunological and blood bank procedures.

6.1.14

Lecture Hours:  
4.00  
Lab Hours:  
3.00  
Credit Hours:  
5.00  
Day Semesters:  
Spring  
Evening Semesters:

## [MLT130](#)

### **Clinical Chemistry I**

This course introduces the quantitative analysis of blood and body fluids and their variations in health and disease. Topics include clinical biochemistry, methodologies, instrumentation, and quality control. Upon completion, students should be able to demonstrate theoretical comprehension of clinical chemistry, perform diagnostic techniques, and correlate laboratory findings with disorders.

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Summer  
Evening Semesters:

## [MLT140](#)

### **Introduction to Microbiology**

This course introduces basic techniques and safety procedures in clinical microbiology. Emphasis is placed on the morphology and identification of common pathogenic organisms, aseptic technique, staining techniques, and usage of common media. Upon completion, students should be able to demonstrate theoretical comprehension in performing and interpreting basic clinical microbiology procedures.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall  
Evening Semesters:

## [MLT215](#)

### **Professional Issues**

This course surveys professional issues in preparation for career entry. Emphasis is placed on work readiness and theoretical concepts in microbiology, immunohematology, hematology, and clinical chemistry. Upon completion, students should be able to demonstrate competence in career entry-level areas and be prepared for the national certification examination.

Lecture Hours:  
1.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00  
Day Semesters:  
Spring  
Evening Semesters:

## [MLT216](#)

### **Professional Issues**

This course surveys professional issues in preparation for career entry. Emphasis is placed on work readiness and theoretical concepts in

microbiology, immunohematology, hematology, and clinical chemistry. Upon completion, students should be able to demonstrate competence in career entry-level areas and be prepared for the national certification examination.

6.1.14

Lecture Hours:  
0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00  
Day Semesters:  
Fall  
Evening Semesters:

## [MLT220](#)

### **Hematology/Hemostasis II**

This course covers the theories and techniques used in the advanced analysis of human blood cells and hemostasis. Emphasis is placed on the study of hematologic disorders, abnormal cell development and morphology, and related testing. Upon completion, students should be able to demonstrate a theoretical comprehension and application of abnormal hematology and normal and abnormal hemostasis.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Spring  
Evening Semesters:

## [MLT240](#)

### **Special Clinical Microbiology**

This course is designed to introduce special techniques in clinical microbiology. Emphasis is placed on advanced areas in microbiology. Upon completion, students should be able to demonstrate theoretical comprehension in performing and interpreting specialized clinical microbiology procedures.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall  
Evening Semesters:

## [MLT251](#)

### **MLT Practicum I**

This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.

Lecture Hours:  
0.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00  
Day Semesters:  
Summer  
Evening Semesters:

## [MLT257](#)

### **MLT Practicum I**

This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.

Lecture Hours:  
0.00  
Lab Hours:  
0.00  
Credit Hours:  
8.00  
Day Semesters:  
Fall  
Evening Semesters:

6.1.14

### [MLT266](#)

#### **MLT Practicum II**

Lecture Hours:  
0.00  
Lab Hours:  
0.00  
Credit Hours:  
6.00  
Day Semesters:  
Spring  
Evening Semesters:

### [MLT267](#)

#### **MLT Practicum II**

This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.

Lecture Hours:  
0.00  
Lab Hours:  
0.00  
Credit Hours:  
8.00  
Day Semesters:  
Fall  
Evening Semesters:

### [MLT275](#)

#### **MLT Practicum III**

This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.

Lecture Hours:  
0.00  
Lab Hours:  
0.00  
Credit Hours:  
5.00  
Day Semesters:  
Spring  
Evening Semesters:

### [MNT110](#)

#### **Introduction to Maintenance Procedures**

This course covers basic maintenance fundamentals for power transmission equipment. Topics include equipment inspection, lubrication, alignment, and other scheduled maintenance procedures. Upon completion, students should be able to demonstrate knowledge of accepted maintenance procedures and practices according to current industry standards. This will include mechanical and electrical drives, variable speed controls and basic speed and power calculations.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:

2.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [MNT160](#)

### **Industrial Fabrication**

This course covers the necessary techniques to fabricate and assemble basic items common in industrial environments. Emphasis is placed on students being able to create basic items such as frames, guards, supports, and other components commonly used in industry. Upon completion, students should be able to safely fabricate and assemble selected items within specifications. Upon completion, students should be able to safely fabricate and assemble selected items within specifications.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [MNT240](#)

### **Industrial Equipment Troubleshooting**

This course covers the various service procedures, tools, instruments, and equipment necessary to analyze and repair typical industrial equipment. Emphasis is placed on electro-mechanical and fluid power equipment and troubleshooting, calibration, and repair, including common techniques and procedures. Upon completion, students should be able to troubleshoot and repair industrial equipment.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [MSC174](#)

### **Marine Invertebrate Zoo**

This course covers the behavior and classification of marine invertebrates. Topics include identification, feeding behavior, reproduction, and symbiotic relationships of marine invertebrates. Upon completion, students should be able to identify and classify marine invertebrates and demonstrate an understanding of their basic anatomy and physiology.

Lecture Hours:  
3.00  
Lab Hours:  
2.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [MSTRANSFERELECTIVE](#)

### **Math Science Transfer Elective**

Lecture Hours:  
4.00  
Lab Hours:  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [MTH110](#)

### **Fundamentals of Massage**

This course introduces concepts basic to the role of the massage therapist. Emphasis is placed on beginning theory and techniques of body work as well as skill in therapeutic touch. Upon completion of the course, the student should be able to apply basic practical massage therapy skills.

6.1.14

Lecture Hours:  
6.00  
Lab Hours:  
9.00  
Credit Hours:  
10.00  
Day Semesters:  
Evening Semesters:

## [MTH120](#)

### **Therapeutic Massage Applications**

This course provides an expanded knowledge and skill base for the massage therapist. Emphasis is placed on selected therapeutic approaches throughout the lifespan. Upon completion, students should be able to perform entry level therapeutic massage on various populations.

Lecture Hours:  
6.00  
Lab Hours:  
9.00  
Credit Hours:  
10.00  
Day Semesters:  
Evening Semesters:

## [MTH125](#)

### **Ethics of Massage**

This course is designed to explore issues related to the practice of massage therapy. Emphasis is placed on ethical, legal, professional, and political issues. Upon completion, students should be able to discuss issues relating to the practice of massage therapy, client/therapist relationships as well as ethical issues.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [MTH130](#)

### **Therapeutic Massage Mgmt**

This course introduces the basic responsibilities in the development and administration of a professional massage therapy practice. Emphasis is placed on identifying successful practice management methods such as selecting a business structure, negotiating a contract/lease, developing a business/marketing plan, designing a massage space, differentiating spa from clinical practice, management of client/financial records and physician referral. Upon completion, students should be able to demonstrate the knowledge and skills necessary to develop and manage a massage therapy practice.

Lecture Hours:  
2.00  
Lab Hours:  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [MTH130](#)

### **Therapeutic Massage Mgmt**

This course introduces the basic responsibilities in the development and administration of a professional massage therapy practice. Emphasis is placed on identifying successful practice management methods such as selecting a business structure, negotiating a contract/lease, developing a business/marketing plan, designing a massage space, differentiating spa from clinical practice, management

of client/financial records and physician referral. Upon completion, students should be able to demonstrate the knowledge and skills necessary to develop and manage a massage therapy practice.

6.1.14

Lecture Hours:  
2.00  
Lab Hours:  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## MTH210

### **Advanced Skills of Massage**

This course provides knowledge and skills in diverse body work modalities. Emphasis is placed on selected techniques such as Neuromuscular Therapy, Sports Massage, Soft Tissue Release, Spa Approaches, Oriental Therapies, and energy techniques. Upon completion, students should be able to perform basic skills in techniques covered.

Lecture Hours:  
4.00  
Lab Hours:  
9.00  
Credit Hours:  
8.00  
Day Semesters:  
Evening Semesters:

## MTH220

### **Outcome-Based Massage**

This course provides knowledge and skills in more complex body works modalities. Emphasis is placed on developing advanced skills in outcome-based Massage. Upon completion, students should be able to perform basic skills in techniques covered.

Lecture Hours:  
4.00  
Lab Hours:  
6.00  
Credit Hours:  
7.00  
Day Semesters:  
Evening Semesters:

## MUS110

### **Music Appreciation (CAA)**

This course is a basic survey of the music of the Western world. Emphasis is placed on the elements of music, terminology, composers, form, and style within a historical perspective. Upon completion, students should be able to demonstrate skills in basic listening and understanding of the art of music.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall, Spring  
Evening Semesters:

## NAS101

### **Nursing Assistant I**

This course introduces basic nursing skills required to provide personal care for patients, residents, or clients in a health care setting. Topics include communications, safety, patients' rights, personal care, vital signs, elimination, nutrition, emergencies, rehabilitation, and mental health. Upon completion, students would be able to demonstrate skills necessary to qualify as Nursing Assistant I with the North Carolina Nurse Aide I Registry.

Lecture Hours:



3.00  
Lab Hours:  
4.00  
Credit Hours:  
6.00  
Day Semesters:  
Evening Semesters:

## [NAS102](#)

### **Nursing Assistant II**

This course provides training in selected advanced nursing assistant procedures. Emphasis is placed on sterile techniques, respiratory procedures, catheterizations, wound and trach care, irrigations, and ostomy care. Upon completion, students would be able to demonstrate skills necessary to qualify as Nursing Assistant II with the North Carolina Board of Nursing.

Lecture Hours:  
3.00  
Lab Hours:  
2.00  
Credit Hours:  
6.00  
Day Semesters:  
Evening Semesters:

## [NAS103](#)

### **Home Health Care**

This course covers basic health issues that affect clients in the home setting. Emphasis is placed on home safety, recognizing significant changes in the client's condition, family dynamics, and use of home health care equipment. Upon completion, students should be able to identify care for clients at home.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [NAS106](#)

### **Geriatrics**

This course is designed to cover health issues that affect the aging client. Emphasis is placed on social, physical, and psychological problems experienced by elderly people. Upon completion, students should be able to understand and provide care for the aging population.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [NET125](#)

### **Networking Basics**

This course introduces the networking field. Emphasis is placed on network terminology and protocols, local-area networks, wide-area networks, OSI model, cabling, router programming, Ethernet, IP addressing, and network standards. Upon completion, students should be able to perform tasks related to networking mathematics, terminology, and models, media, Ethernet, subnetting, and TCP/IP Protocols.

Lecture Hours:  
1.00  
Lab Hours:  
4.00  
Credit Hours:

3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [NET126](#)

### **Routing Basics**

This course focuses on initial router configuration, router software management, routing protocol configuration, TCP/IP, and access control lists (ACLs). Emphasis will be placed on the fundamentals of router configuration, managing router software, routing protocol, and access lists. Upon completion, students should have an understanding of routers and their role in WANs, router configuration, routing protocols, TCP/IP, troubleshooting, and ACLs.

Lecture Hours:  
1.00  
Lab Hours:  
4.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [NET225](#)

### **Routing & Switching I**

This course focuses on advanced IP addressing techniques, intermediate routing protocols, command-line interface configuration of switches, Ethernet switching, VLANs, STP, and VTP. Emphasis will be placed on application and demonstration of skills acquired in pre-requisite courses. Upon completion, students should be able to perform tasks related to VLSM, routing protocols, switching concepts and configuration, STP, VLANs, and VTP.

Lecture Hours:  
1.00  
Lab Hours:  
4.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [NET226](#)

### **Routing & Switching II**

This course introduces WAN theory and design, WAN technology, PPP, Frame Relay, ISDN, and additional case studies. Topics include network congestion problems, TCP/IP transport and network layer protocols, advanced routing and switching configuration, ISDN protocols, PPP encapsulation operations on a router. Upon completion, students should be able to provide solutions for network routing problems, identify ISDN protocols, and describe the Spanning Tree protocol.

Lecture Hours:  
1.00  
Lab Hours:  
4.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [NET289](#)

### **Networking Project**

This course provides an opportunity to complete a significant networking project from the design phase through implementation with minimal instructor support. Emphasis is placed on project definition, documentation, installation, testing, presentation, and training. Upon completion, students should be able to complete a project from the definition phase through implementation.

Lecture Hours:  
1.00  
Lab Hours:  
4.00  
Credit Hours:  
3.00

## [NOS110](#)

### **Operating System Concepts**

This course introduces students to a broad range of operating system concepts, including installation and maintenance. Emphasis is placed on operating system concepts, management, maintenance, and resources required. Upon completion of this course, students will have an understanding of OS concepts, installation, management, maintenance, using a variety of operating systems.

Lecture Hours:

2.00

Lab Hours:

3.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [NOS120](#)

### **Linux/UNIX Single User**

This course develops the necessary skills for students to develop both GUI and command line skills for using and customizing a Linux workstation. Topics include Linux file system and access permissions, GNOME Interface, VI editor, X Window System expression pattern matching, I/O redirection, network and printing utilities. Upon completion, students should be able to customize and use Linux systems for command line requirements and desktop productivity roles.

Lecture Hours:

2.00

Lab Hours:

2.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [NOS130](#)

### **Windows Single User**

This course introduces operating system concepts for single-user systems. Topics include hardware management, file and memory management, system configuration/optimization, and utilities. Upon completion, students should be able to perform operating systems functions at the support level in a single-user environment.

Lecture Hours:

2.00

Lab Hours:

2.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [NOS220](#)

### **Linux/UNIX Administration I**

This course introduces the Linux file system, group administration, and system hardware controls. Topics include installation, creation and maintaining file systems, NIS client and DHCP client configuration, NFS, SMB/Samba, Configure X, Gnome, KDE, basic memory, processes, and security. Upon completion, students should be able to perform system administration tasks including installation, configuring and attaching a new Linux workstation to an existing network.

Lecture Hours:

2.00

Lab Hours:

2.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## Windows Administration I

This course covers the installation and administration of a Windows Server network operating system. Topics include managing and maintaining physical and logical devices, access to resources, the server environment, managing users, computers, and groups, and Managing/Implementing Disaster Recovery. Upon completion, students should be able to manage and maintain a Windows Server environment.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [NSTRANSFERELECTIVE](#)

### Natural Science Transfer Elective

Lecture Hours:  
3.00  
Lab Hours:  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [NUR101](#)

### Practical Nursing I

This course introduces concepts as related to the practical nurse's caregiver and discipline-specific roles. Emphasis is placed on the nursing process, legal/ethical/professional issues, wellness/illness patterns, and basic nursing skills. Upon completion, students should be able to demonstrate beginning understanding of nursing process to promote/maintain/restore optimum health for diverse clients throughout the life span. This is a diploma-level course.

Lecture Hours:  
7.00  
Lab Hours:  
6.00  
Credit Hours:  
11.00  
Day Semesters:  
Evening Semesters:

## [NUR102](#)

### Practical Nursing II

This course introduces more advanced concepts as related to the practical nurse's caregiver and discipline-specific roles. Emphasis is placed on the nursing process, delegation, cost effectiveness, legal/ethical/professional issues and wellness/illness patterns. Upon completion, students should be able to begin participating in the nursing process to promote/maintain/restore optimum health for diverse clients throughout the life span. This is a diploma-level course.

Lecture Hours:  
8.00  
Lab Hours:  
0.00  
Credit Hours:  
12.00  
Day Semesters:  
Evening Semesters:

## [NUR103](#)

### Practical Nursing III

This course focuses on the use of nursing-related concepts by practical nurses as providers of care/members of discipline in collaboration with health team members. Emphasis is placed on the nursing process, delegation, cost effectiveness, legal/ethical/professional issues

and wellness/illness patterns. Upon completion, students should be able to use the nursing process to promote/maintain/restore optimum health for diverse clients throughout the life span. This is a diploma level course.

6.1.14

Lecture Hours:  
6.00  
Lab Hours:  
0.00  
Credit Hours:  
10.00  
Day Semesters:  
Evening Semesters:

## [NUR111](#)

### **Introduction to Health Concepts**

This course introduces the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts within each domain including medication, administration, assessment, nutrition, ethics, interdisciplinary terms, informatics, evidence-based practice, individual-centered care, and quality improvement. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Lecture Hours:  
4.00  
Lab Hours:  
6.00  
Credit Hours:  
8.00  
Day Semesters:  
Evening Semesters:

## [NUR112](#)

### **Health-Illness Concepts**

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of acid-base, metabolism, cellular regulation, oxygenation, infection, stress/coping, health-wellness-illness, communication, caring interventions, managing care, safety, quality improvement, and informatics. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
5.00  
Day Semesters:  
Evening Semesters:

## [NUR113](#)

### **Family Health Concepts**

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of oxygenation, sexuality, reproduction, grief/loss, mood/affect, behaviors, development, family, health-wellness-illness, communication, caring interventions, managing care, safety, and advocacy. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
5.00  
Day Semesters:  
Evening Semesters:

## [NUR114](#)

### **Holistic Health Concepts**

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of cellular regulation, perfusion, inflammation, sensory perception, stress/coping, mood-affect, cognition, self,

violence, health-wellness-illness, professional behaviors, and safety. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

6.1.14

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
5.00  
Day Semesters:  
Evening Semesters:

## [NUR211](#)

### **Health Care Concepts**

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of cellular regulation, perfusion, infection, immunity, mobility, comfort, behaviors, health-wellness-illness, clinical decision-making, caring interventions, managing care, and safety. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
5.00  
Day Semesters:  
Evening Semesters:

## [NUR212](#)

### **Health System Concepts**

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of grief/loss, violence, health-wellness-illness, collaboration, managing care, safety, advocacy, legal issues, policy, healthcare systems, ethics, accountability, and evidence-based practice. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
5.00  
Day Semesters:  
Evening Semesters:

## [NUR213](#)

### **Complex Health Concepts**

This course is designed to assimilate the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of fluid/electrolytes, metabolism, perfusion, mobility, stress/coping, violence, health-wellness-illness, professional behaviors, caring interventions, managing care, healthcare systems, and quality improvement. Upon completion, students should be able to demonstrate the knowledge, skills, and attitudes necessary to provide quality, individualized, entry level nursing care.

Lecture Hours:  
4.00  
Lab Hours:  
3.00  
Credit Hours:  
10.00  
Day Semesters:  
Evening Semesters:

## [NUR221](#)

### **LPN to ADN Concepts I**

This course is designed for the LPN to ADN student to explore the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of safety, perfusion, inflammation, oxygenation, mood/affect, behavior, development, family,

health-wellness-illness, sensory perception, stress/coping, cognition, self, violence, and professional behaviors. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

6.1.14

Lecture Hours:  
6.00  
Lab Hours:  
0.00  
Credit Hours:  
9.00  
Day Semesters:  
Evening Semesters:

## [NUR223](#)

### **LPN to ADN Concepts II**

This course is designed for the LPN to ADN student to explore the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of fluid/electrolytes, metabolism, thermoregulation, oxygenation, tissue integrity, infection, perfusion, mobility, reproduction, sexuality, health-wellness-illness, professional behaviors, accountability, advocacy, and collaboration. Upon completion, students should be able to demonstrate the knowledge, skills, and attitudes necessary to provide quality, individualized, entry-level nursing care.

Lecture Hours:  
6.00  
Lab Hours:  
0.00  
Credit Hours:  
9.00  
Day Semesters:  
Evening Semesters:

## [PBT100](#)

### **Phlebotomy Technology**

This course provides instruction in the skills needed for the proper collection of blood and other specimens used for diagnostic testing. Emphasis is placed on ethics, legalities, medical terminology, safety and universal precautions, health care delivery systems, patient relations, anatomy and physiology, and specimen collection. Upon completion, students should be able to demonstrate competence in the theoretical comprehension of phlebotomy techniques. This is a certificate-level course.

Lecture Hours:  
5.00  
Lab Hours:  
2.00  
Credit Hours:  
6.00  
Day Semesters:  
Fall  
Evening Semesters:

## [PBT101](#)

### **Phlebotomy Practicum**

This course provides supervised experience in the performance of venipuncture and microcollection techniques in a clinical facility. Emphasis is placed on patient interaction and application of universal precautions, proper collection techniques, special procedures, specimen handling, and data management. Upon completion, students should be able to safely perform procedures necessary for specimen collections on patients in various health care settings. This is a certificate-level course.

Lecture Hours:  
0.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall  
Evening Semesters:

## [PCI264](#)

### **Process Control with PLCs**

This course introduces automatic process control implemented with PLC technology. Topics include interfacing and controlling advanced PID control loops and devices using various PLC-based systems. Upon completion, students should be able to demonstrate an understanding of advanced applications of process control and instrumentation systems with PLC-based devices.

6.1.14

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [PED110](#)

### **Fit & Well for Life (CAA)**

This course provides is designed to investigate and apply the basic concepts of lifetime physical fitness and other health-related factors. Emphasis is placed on wellness through the study of nutrition, weight control, stress management, and consumer facts on exercise and fitness. Upon completion, students should be able to plan a personal lifelong fitness program based on individual needs, abilities, and interests. This course is designed for temporarily and permanently physically challenged individuals.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [PED111](#)

### **Physical Fitness I (CAA)**

This course provides an individualized approach to physical fitness utilizing the five major components. Emphasis is placed on the scientific basis for setting up and engaging in personalized physical fitness programs. Upon completion, students should be able to set up and implement an individualized physical fitness program.

Lecture Hours:  
0.00  
Lab Hours:  
3.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [PED112](#)

### **Physical Fitness II (CAA)**

This course is an intermediate-level fitness class. Topics include specific exercises contributing to fitness and the role exercise plays in developing body systems. Upon completion, students should be able to implement and evaluate an individualized physical fitness program.

Lecture Hours:  
0.00  
Lab Hours:  
3.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [PED113](#)

### **Aerobics I (CAA)**

This course provides a program of cardiovascular fitness involving continuous, rhythmic exercise. Emphasis is placed on a wide variety of aerobic activities, which include cardiovascular efficiency, strength, and flexibility. Upon completion, students should be able to participate in and design a rhythmic aerobic exercise routine.



Lecture Hours:  
0.00  
Lab Hours:  
3.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [PED114](#)

### **Aerobics II (CAA)**

This course introduces a program of cardiovascular fitness involving continuous, rhythmic exercise. Emphasis is placed on developing cardiovascular efficiency, strength, and flexibility and on safety precautions. Upon completion, students should be able to select and implement a rhythmic aerobic exercise program.

Lecture Hours:  
0.00  
Lab Hours:  
3.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [PED117](#)

### **Weight Training I (CAA)**

This course introduces the basics of weight training. Emphasis is placed on developing muscular strength, muscular endurance, and muscle tone. Upon completion, students should be able to establish and implement a personal weight training program.

Lecture Hours:  
0.00  
Lab Hours:  
3.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [PED118](#)

### **Weight Training II (CAA)**

This course covers advanced levels of weight training. Emphasis is placed on meeting individual training goals and addressing weight training needs and interests. Upon completion, students should be able to establish and implement an individualized advanced weight training program.

Lecture Hours:  
0.00  
Lab Hours:  
3.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [PED119](#)

### **Circuit Training (CAA)**

This course covers the skills necessary to participate in a developmental fitness program. Emphasis is placed on the circuit training method, which involves a series of conditioning time stations arranged for maximum benefit and variety. Upon completion, students should be able to understand and appreciate the role of circuit training as a means to develop fitness.

Lecture Hours:  
0.00  
Lab Hours:  
3.00  
Credit Hours:

1.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [PED120](#)

### **Walking for Fitness (CAA)**

This course introduces fitness through walking. Emphasis is placed on stretching, conditioning exercises, proper clothing, fluid needs, and injury prevention. Upon completion, students should be able to participate in a recreational walking program.

Lecture Hours:  
0.00  
Lab Hours:  
3.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [PED121](#)

### **Walk, Jog, Run (CAA)**

This course covers the basic concepts involved in safely and effectively improving cardiovascular fitness. Emphasis is placed on walking, jogging, or running as a means of achieving fitness. Upon completion, students should be able to understand and appreciate the benefits derived from these activities. Exercise bikes, circuit training, and other aerobic activities will also be utilized to meet the objectives of this course.

Lecture Hours:  
0.00  
Lab Hours:  
3.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [PED125](#)

### **Self-Defense-Beginning (CAA)**

This course is designed to aid students in developing rudimentary skills in self-defense. Emphasis is placed on stances, blocks, punches, and kicks as well as non-physical means of self-defense. Upon completion, students should be able to demonstrate basic self-defense techniques of a physical and non-physical nature.

Lecture Hours:  
0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [PED128](#)

### **Golf-Beginning (CAA)**

This course emphasizes the fundamentals of golf. Topics include the proper grips, stance, alignment, swings for the short and long game, putting, and the rules and etiquette of golf. Upon completion, students should be able to perform the basic golf shots and demonstrate a knowledge of the rules and etiquette of golf.

Lecture Hours:  
0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

### **Tennis-Beginning (CAA)**

This course emphasizes the fundamentals of tennis. Topics include basic strokes, rules, etiquette, and court play. Upon completion, students should be able to play recreational tennis.

Lecture Hours:

0.00

Lab Hours:

2.00

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

### [PED137](#)

### **Badminton (CAA)**

This course covers the fundamentals of badminton. Emphasis is placed on the basics of serving, clears, drops, drives, smashes, and the rules and strategies of singles and doubles. Upon completion, students should be able to apply these skills in playing situations.

Lecture Hours:

0.00

Lab Hours:

2.00

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

### [PED138](#)

### **Archery (CAA)**

This course introduces basic archery, safety and skills. Topics include proper techniques of stance, bracing, drawing, and releasing as well as terminology and scoring. Upon completion, students should be able to participate safely in target archery.

Lecture Hours:

0.00

Lab Hours:

2.00

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

### [PED139](#)

### **Bowling-Beginning (CAA)**

This course introduces the fundamentals of bowling. Emphasis is placed on ball selection, grips, stance, and delivery along with rules and etiquette. Upon completion, students should be able to participate in recreational bowling.

Lecture Hours:

0.00

Lab Hours:

2.00

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

### [PED142](#)

### **Lifetime Sports (CAA)**

This course is designed to give an overview of a variety of sports activities. Emphasis is placed on the skills and rules necessary to participate in a variety of lifetime sports. Upon completion, students should be able to demonstrate an awareness of the importance of participating in lifetime sports activities.

Lecture Hours:  
0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

### [PED143](#)

#### **Volleyball-Beginning (CAA)**

This course covers the fundamentals of volleyball. Emphasis is placed on the basics of serving, passing, setting, spiking, blocking, and the rules and etiquette of volleyball. Upon completion, students should be able to participate in recreational volleyball.

Lecture Hours:  
0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

### [PED145](#)

#### **Basketball-Beginning (CAA)**

This course covers the fundamentals of basketball. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in recreational basketball.

Lecture Hours:  
0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

### [PED152](#)

#### **Swimming-Beginning (CAA)**

This course is designed for non-swimmers and beginners. Emphasis is placed on developing confidence in the water, learning water safety, acquiring skills in floating, and learning elementary strokes. Upon completion, students should be able to demonstrate safety skills and be able to tread water, back float, and use the crawl stroke for 20 yards.

Lecture Hours:  
0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

### [PED153](#)

#### **Swimming-Intermediate (CAA)**

This course is designed for those who have mastered basic swimming skills. Emphasis is placed on refining basic skills and learning new swim strokes. Upon completion, students should be able to demonstrate the four basic strokes, scissors kick, the underwater swim, and other related skills.

Lecture Hours:  
0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00

[PED170](#)

**Backpacking (CAA)**

This course covers the proper techniques for establishing a campsite, navigating in the wilderness, and planning for an overnight trip. Topics include planning for meals, proper use of maps and compass, and packing and dressing for extended periods in the outdoors. Upon completion, students should be able to identify quality backpacking equipment, identify the principles of no-trace camping, and successfully complete a backpacking experience.

Lecture Hours:  
0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

[PEDCOURSE](#)

**Ped Course**

Course Name	Area Prefix	Course Number	Credit Hours
<a href="#">Physical Fitness I (CAA)</a>	PED	111	1.00
<a href="#">Physical Fitness II (CAA)</a>	PED	112	1.00
<a href="#">Aerobics I (CAA)</a>	PED	113	1.00
<a href="#">Aerobics II (CAA)</a>	PED	114	1.00
<a href="#">Weight Training I (CAA)</a>	PED	117	1.00
<a href="#">Weight Training II (CAA)</a>	PED	118	1.00
<a href="#">Circuit Training (CAA)</a>	PED	119	1.00
<a href="#">Walking for Fitness (CAA)</a>	PED	120	1.00
<a href="#">Walk, Jog, Run (CAA)</a>	PED	121	1.00
<a href="#">Self-Defense-Beginning (CAA)</a>	PED	125	1.00
<a href="#">Golf-Beginning (CAA)</a>	PED	128	1.00
<a href="#">Tennis-Beginning (CAA)</a>	PED	130	1.00
<a href="#">Badminton (CAA)</a>	PED	137	1.00
<a href="#">Archery (CAA)</a>	PED	138	1.00
<a href="#">Bowling-Beginning (CAA)</a>	PED	139	1.00
<a href="#">Lifetime Sports (CAA)</a>	PED	142	1.00
<a href="#">Volleyball-Beginning (CAA)</a>	PED	143	1.00
<a href="#">Basketball-Beginning (CAA)</a>	PED	145	1.00
<a href="#">Swimming-Beginning (CAA)</a>	PED	152	1.00
<a href="#">Swimming-Intermediate (CAA)</a>	PED	153	1.00
<a href="#">Backpacking (CAA)</a>	PED	170	1.00

Lecture Hours:  
1.00  
Lab Hours:  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

[PHI215](#)

## **Philosophical Issues (CAA)**

This course introduces fundamental issues in philosophy considering the views of classical and contemporary philosophers. Emphasis is placed on knowledge and belief, appearance and reality, determinism and free will, faith and reason, and justice and inequality. Upon completion, students should be able to identify, analyze, and critique the philosophical components of an issue.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [PHI240](#)

### **Introduction to Ethics (CAA)**

This course introduces theories about the nature and foundations of moral judgments and applications to contemporary moral issues. Emphasis is placed on utilitarianism, rule-based ethics, existentialism, relativism versus objectivism, and egoism. Upon completion, students should be able to apply various ethical theories to individual moral issues such as euthanasia, abortion, crime and punishment, and justice.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [PHM110](#)

### **Introduction to Pharmacy**

This course introduces pharmacy practice and the technician's role in a variety of pharmacy settings. Topics include medical terminology and abbreviations, drug delivery systems, law and ethics, prescription and medication orders, and the health care system. Upon completion, students should be able to explain the role of pharmacy technicians, read and interpret drug orders, describe quality assurance, and utilize pharmacy references.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Fall

Evening Semesters:

## [PHM111](#)

### **Pharmacy Practice I**

This course provides instruction in the technical procedures for preparing and dispensing drugs in the hospital and retail settings under supervision of a registered pharmacist. Topics include drug packaging and labeling, out-patient dispensing, hospital dispensing procedures, controlled substance procedures, inventory control, and non-sterile compounding. Upon completion, students should be able to perform basic supervised dispensing techniques in a variety of pharmacy settings.

Lecture Hours:

3.00

Lab Hours:

3.00

Credit Hours:

4.00

Day Semesters:

Fall

Evening Semesters:

## [PHM115](#)

## Pharmacy Calculations

This course provides an introduction to the metric, avoirdupois, and apothecary systems of measurement and the calculations used in pharmacy practice. Topics include ratio and proportion, dosage determinations, percentage preparations, reducing and enlarging formulas, dilution and concentration, aliquots, specific gravity and density, and flow rates. Upon completion, students should be able to correctly perform calculations required to properly prepare a medication order.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

### [PHM118](#)

## Sterile Products

This course provides an introduction to intravenous admixture preparation and other sterile products, including total parenteral nutrition and chemotherapy. Topics include aseptic techniques; facilities, equipment, and supplies utilized in admixture preparation; incompatibility and stability; laminar flow hoods; immunizations and irrigation solutions; and quality assurance. Upon completion, students should be able to describe and demonstrate the steps involved in preparation of intermittent and continuous infusions, total parenteral nutrition, and chemotherapy.

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Spring  
Evening Semesters:

### [PHM120](#)

## Pharmacology I

This course introduces the study of the properties, effects, and therapeutic value of the primary agents in the major drug categories. Topics include nutritional products, blood modifiers, hormones, diuretics, cardiovascular agents, respiratory drugs, and gastrointestinal agents. Upon completion, students should be able to place major drugs into correct therapeutic categories and identify indications, side effects, and trade and generic names.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall  
Evening Semesters:

### [PHM125](#)

## Pharmacology II

This course provides a continuation of the study of the properties, effects, and therapeutic value of the primary agents in the major drug categories. Topics include autonomic and central nervous system agents, anti-inflammatory agents, and anti-infective drugs. Upon completion, students should be able to place major drugs into correct therapeutic categories and identify indications, side effects, and trade and generic names.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Spring

[PHM132](#)**Pharmacy Clinical**

This course provides an opportunity to work in pharmacy settings under a pharmacist's supervision. Emphasis is placed on effective communication with personnel, developing proper employee attitude, and dispensing of medications. Upon completion, students should be able to demonstrate an understanding of pharmacy operations, utilize references, dispense medications, prepare patient charges, and efficiently operate computers. This course is graded pass/fail.

Lecture Hours:

0.00

Lab Hours:

0.00

Credit Hours:

2.00

Day Semesters:

Spring

Evening Semesters:

[PHM134](#)**Pharmacy Clinical**

This course provides an opportunity to work in pharmacy settings under a pharmacist's supervision. Emphasis is placed on effective communication with personnel, developing proper employee attitude, and dispensing of medications. Upon completion, students should be able to demonstrate an understanding of pharmacy operations, utilize references, dispense medications, prepare patient charges, and efficiently operate computers. This course is graded pass/fail.

Lecture Hours:

0.00

Lab Hours:

0.00

Credit Hours:

4.00

Day Semesters:

Spring

Evening Semesters:

[PHM138](#)**Pharmacy Clinical**

This course provides an opportunity to work in pharmacy settings under a pharmacist's supervision. Emphasis is placed on effective communication with personnel, developing proper employee attitude, and dispensing of medications. Upon completion, students should be able to demonstrate an understanding of pharmacy operations, utilize references, dispense medications, prepare patient charges, and efficiently operate computers.

Lecture Hours:

0.00

Lab Hours:

0.00

Credit Hours:

8.00

Day Semesters:

Evening Semesters:

[PHM140](#)**Trends in Pharmacy**

This course covers the major issues, trends, and concepts in contemporary pharmacy practice. Topics include professional ethics, continuing education, job placement, and the latest developments in pharmacy technician practice. Upon completion, students should be able to demonstrate a basic knowledge of the topics discussed.

Lecture Hours:

2.00

Lab Hours:

0.00

Credit Hours:

2.00



Day Semesters:  
Spring  
Evening Semesters:

6.1.14

## [PHM150](#)

### **Hospital Pharmacy**

This course provides an in-depth study of hospital pharmacy practice. Topics include hospital organizational structure, committee functions, utilization of reference works, purchasing and inventory control, drug delivery systems, and intravenous admixture preparation. Upon completion, students should be able to explain hospital organizations/committee functions, interpret and enter patient orders, fill unit-dose cassettes, and prepare intravenous admixtures.

Lecture Hours:  
3.00  
Lab Hours:  
3.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## [PHM155](#)

### **Community Pharmacy**

This course covers the operational procedures relating to retail pharmacy. Emphasis is placed on a general knowledge of over-the-counter products, prescription processing, business/inventory management, and specialty patient services. Upon completion, students should be able to provide technical assistance and support to the retail pharmacist.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [PHM160](#)

### **Pharm Dosage Forms**

This course is a study of pharmaceutical dosage forms and considerations in their manufacture. Topics include bioavailability, routes of administration, tablets, capsules, solutions, syrups, suspensions, elixirs, aerosols, transdermals, topicals, ophthalmics, otics, and other dosage forms. Upon completion, students should be able to describe the characteristics of the major dosage forms and explain how these characteristics affect the action of the drug.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [PHM165](#)

### **Pharmacy Professional Practice**

This course provides a general overview of all aspects of pharmacy technician practice. Emphasis is placed on pharmacy law, calculations, compounding, pharmacology, and pharmacy operations. Upon completion, students should be able to demonstrate competency in the areas required for the Pharmacy Technician Certification Examination. This course is graded pass/fail.

Lecture Hours:  
2.00  
Lab Hours:  
0.00  
Credit Hours:  
2.00  
Day Semesters:

## [PHM265](#)

### **Professional Issues**

This course provides a comprehensive discussion of topics common to the practice of the pharmacy technician. Emphasis is placed on application of professional competencies including legal/ethical issues, leadership/management concepts, and employability skills. Upon completion, students should be able to demonstrate competence in pharmacy workplace skills and leadership/management roles.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Spring

Evening Semesters:

## [PHY110](#)

### **Conceptual Physics (CAA)**

This course provides a conceptually-based exposure to the fundamental principles and processes of the physical world. Topics include basic concepts of motion, forces, energy, heat, electricity, magnetism, and the structure of matter and the universe. Upon completion, students should be able to describe examples and applications of the principles studied.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [PHY110A](#)

### **Conceptual Physics Lab (CAA)**

This course is a laboratory for PHY 110. Emphasis is placed on laboratory experiences that enhance materials presented in PHY 110. Upon completion, students should be able to apply the laboratory experiences to the concepts presented in PHY 110.

Lecture Hours:

0.00

Lab Hours:

2.00

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

## [PHY121](#)

### **Applied Physics I**

This algebra-based course introduces fundamental physical concepts as applied to industrial and service technology fields. Topics include systems of units, problem-solving methods, graphical analyses, vectors, motion, forces, Newton's laws of motion, work, energy, power, momentum, and properties of matter. Upon completion, students should be able to demonstrate an understanding of the principles studied as applied in industrial and service fields.

Lecture Hours:

3.00

Lab Hours:

2.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

## Physics-Mechanics

This algebra/trigonometry-based course introduces fundamental physical concepts as applied to engineering technology fields. Topics include systems of units, problem-solving methods, graphical analysis, vectors, motion, forces, Newton's laws of motion, work, energy, power, momentum, and properties of matter. Upon completion, students should be able to apply the principles studied to applications in engineering technology fields.

Lecture Hours:

3.00

Lab Hours:

2.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

## [PHY151](#)

### College Physics I (CAA)

This course uses algebra- and trigonometry-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include units and measurement, vectors, linear kinematics and dynamics, energy, power, momentum, fluid mechanics, and heat. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered.

Lecture Hours:

3.00

Lab Hours:

2.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

## [PHY152](#)

### College Physics II (CAA)

This course uses algebra- and trigonometry-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include electrostatic forces, electric fields, electric potentials, direct-current circuits, magnetostatic forces, magnetic fields, electromagnetic induction, alternating-current circuits, and light. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered.

Lecture Hours:

3.00

Lab Hours:

2.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

## [PHY251](#)

### General Physics I (CAA)

This course uses calculus-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include units and measurement, vector operations, linear kinematics and dynamics, energy, power, momentum, rotational mechanics, periodic motion, fluid mechanics, and heat. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered.

Lecture Hours:

3.00

Lab Hours:

3.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

**General Physics II (CAA)**

This course uses calculus-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include electrostatic forces, electric fields, electric potentials, direct-current circuits, magnetostatic forces, magnetic fields, electromagnetic induction, alternating-current circuits, and light. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered.

Lecture Hours:

3.00

Lab Hours:

3.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

[POL120](#)**American Government (CAA)**

This course is a study of the origins, development, structure, and functions of American national government. Topics include the constitutional framework, federalism, the three branches of government including the bureaucracy, civil rights and liberties, political participation and behavior, and policy formation. Upon completion, students should be able to demonstrate an understanding of the basic concepts and participatory processes of the American political system.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Fall

Evening Semesters:

[POL220](#)**International Relations (CAA)**

This course provides a study of the effects of ideologies, trade, armaments, and alliances on relations among nation-states. Emphasis is placed on regional and global cooperation and conflict, economic development, trade, non-governmental organizations, and international institutions such as the World Court and UN. Upon completion, students should be able to identify and discuss major international relationships, institutions, and problems.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

[POR111](#)**Elementary Portuguese I (CAA)**

This course introduces the fundamental elements of the Portuguese language within a cultural context. Emphasis is placed on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written Portuguese and demonstrate cultural awareness.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## Elementary Portuguese II (CAA)

This course is a continuation of POR 111, focusing on the fundamental elements of the Portuguese language within a cultural context. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written Portuguese and demonstrate further cultural awareness.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [POR181](#)

### Portuguese Lab I (CAA)

This course provides an opportunity to enhance acquisition of the fundamental elements of the Portuguese language. Emphasis is placed on the progressive development of basic listening, speaking, reading and writing skills through the use of various supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written Portuguese and demonstrate cultural awareness.

Lecture Hours:  
0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [POR182](#)

### Portuguese Lab II (CAA)

This course provides an opportunity to enhance acquisition of the fundamental elements of the Portuguese language. Emphasis is placed on the progressive development of basic listening, speaking, reading and writing skills through the use of various supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written Portuguese and demonstrate cultural awareness.

Lecture Hours:  
0.00  
Lab Hours:  
2.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [PSY118](#)

### Interpersonal Psychology

This course introduces the basic principles of psychology as they relate to personal and professional development. Emphasis is placed on personality traits, communication/leadership styles, effective problem solving, and cultural diversity as they apply to personal and work environments. Upon completion, students should be able to demonstrate an understanding of these principles of psychology as they apply to personal and professional development.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall  
Evening Semesters:

## General Psychology (CAA)

This course provides an overview of the scientific study of human behavior. Topics include history, methodology, biopsychology, sensation, perception, learning, motivation, cognition, abnormal behavior, personality theory, social psychology, and other relevant topics. Upon completion, students should be able to demonstrate a basic knowledge of the science of psychology.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [PSY241](#)

### Developmental Psychology (CAA)

This course is a study of human growth and development. Emphasis is placed on major theories and perspectives as they relate to the physical, cognitive, and psychosocial aspects of development from conception to death. Upon completion, students should be able to demonstrate knowledge of development across the life span.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Spring

Evening Semesters:

Spring

## [PSY265](#)

### Behavioral Modification

This course is an applied study of factors influencing human behavior and strategies for behavioral change. Emphasis is placed on cognitive-behavioral theory, behavioral assessment, practical applications of conditioning techniques, and maintenance of adaptive behavior patterns. Upon completion, students should be able to implement basic learning principles to effect behavioral changes in self and others.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [RED80](#)

### Introduction to College Reading

This course introduces effective reading and inferential thinking skills in preparation for DRE 098. Emphasis is placed on vocabulary, comprehension, and reading strategies. Upon completion, students should be able to determine main ideas and supporting details, recognize basic patterns of organization, draw conclusions, and understand vocabulary in context. This course does not satisfy the pre-curriculum reading

Lecture Hours:

3.00

Lab Hours:

2.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

## Improved College Reading

This course is designed to improve reading and critical thinking skills. Topics include vocabulary enhancement; extracting implied meaning; analyzing author's purpose, tone, and style; and drawing conclusions and responding to written material. Upon completion, students should be able to comprehend and analyze college-level reading material. This course satisfies the pre-curriculum reading

Lecture Hours:

3.00

Lab Hours:

2.00

Credit Hours:

4.00

Day Semesters:

Fall, Spring, Summer

Evening Semesters:

Fall, Spring

## [REL110](#)

### World Religions (CAA)

This course introduces the world's major religious traditions. Topics include Primal religions, Hinduism, Buddhism, Islam, Judaism, and Christianity. Upon completion, students should be able to identify the origins, history, beliefs, and practices of the religions studied.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Summer

Evening Semesters:

## [SAB110](#)

### Substance Abuse Overview

This course provides an overview of the core concepts in substance abuse and dependence. Topics include the history of drug use/abuse, effects on societal members, treatment of addiction, and preventive measures. Upon completion, students should be able to demonstrate knowledge of the etiology of drug abuse, addiction, prevention, and treatment.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [SAM101](#)

Test description

Lecture Hours:

1.00

Lab Hours:

1.00

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

## [SAM201](#)

Test description 2

Lecture Hours:

1.50

Lab Hours:  
1.50  
Credit Hours:  
1.50  
Day Semesters:  
Evening Semesters:

6.1.14

## [SEC110](#)

### **Security Concepts**

This course introduces the concepts and issues related to securing information systems and the development of policies to implement information security controls. Topics include the historical view of networking and security, security issues, trends, security resources, and the role of policy, people, and processes in information security. Upon completion, students should be able to identify information security risks, create an information security policy, and identify processes to implement and enforce policy.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [SEC160](#)

### **Security Administration I**

This course provides an overview of security administration and fundamentals of designing security architectures. Topics include networking technologies, TCP/IP concepts, protocols, network traffic analysis, monitoring, and security best practices. Upon completion, students should be able to identify normal network traffic using network analysis tools and design basic security defenses.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [SEC220](#)

### **Defense-in-Depth**

This course introduces students to the concepts of defense in-depth, a security industry best practice. Topics include firewalls, backup systems, redundant systems, disaster recovery, and incident handling. Upon completion, students should be able to plan effective information security defenses, backup systems, and disaster recovery procedures.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [SGD168](#)

### **Mobile SG Programming I**

This course introduces the mobile simulation and game programming process. Topics include mobile simulation/game programming, performance tuning, animation, sound effects, music, and mobile networks. Upon completion, students should be able to apply simulation/game programming concepts to the creation of mobile simulations and games.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:



3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [SGD268](#)

### **Mobile SG Programming II**

This course introduces advanced mobile simulation and game programming processes. Topics include advanced mobile simulation/game platforms, performance tuning, animation, sound effects, music, and mobile networks. Upon completion, students should be able to apply advanced simulation/game programming concepts to the creation of mobile simulations and games.

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [SOC210](#)

### **Introduction to Sociology (CAA)**

This course introduces the scientific study of human society, culture, and social interactions. Topics include socialization, research methods, diversity and inequality, cooperation and conflict, social change, social institutions, and organizations. Upon completion, students should be able to demonstrate knowledge of sociological concepts as they apply to the interplay among individuals, groups, and societies.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [SOC213](#)

### **Sociology of the Family (CAA)**

This course covers the institution of the family and other intimate relationships. Emphasis is placed on mate selection, gender roles, sexuality, communication, power and conflict, parenthood, diverse lifestyles, divorce and remarriage, and economic issues. Upon completion, students should be able to analyze the family as a social institution and the social forces which influence its development and change.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Spring  
Evening Semesters:  
Spring

## [SOC220](#)

### **Social Problems (CAA)**

This course provides an in-depth study of current social problems. Emphasis is placed on causes, consequences, and possible solutions to problems associated with families, schools, workplaces, communities, and the environment. Upon completion, students should be able to recognize, define, analyze, and propose solutions to these problems.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:

3.00  
Day Semesters:  
Spring  
Evening Semesters:

6.1.14

## SOC232

### **Social Context of Aging (CAA)**

This course provides an overview of the social implications of the aging process. Emphasis is placed on the roles of older adults within families, work and economics, politics, religion, education, and health care. Upon completion, students should be able to identify and analyze changing perceptions, diverse lifestyles, and social and cultural realities of older adults.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## SOCIAL/BEHAVIORAL SCIENCE ELECTIVE

Lecture Hours:  
Lab Hours:  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## SPA111

### **Elementary Spanish I (CAA)**

This course introduces the fundamental elements of the Spanish language within a cultural context. Emphasis is placed on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written Spanish and demonstrate cultural awareness.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Fall, Spring  
Evening Semesters:  
Fall

## SPA112

### **Elementary Spanish II (CAA)**

This course is a continuation of SPA 111 focusing on the fundamental elements of the Spanish language within a cultural context. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written Spanish and demonstrate further cultural awareness.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Spring, Summer  
Evening Semesters:  
Spring

## SPA141

## **Culture & Civilization (CAA)**

This course provides an opportunity to explore issues related to the Hispanic world. Topics include historical and current events, <sup>6.1.14</sup> geography, and customs. Upon completion, students should be able to identify and discuss selected topics and cultural differences related to the Hispanic world.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

### [SPA211](#)

## **Intermediate Spanish I (CAA)**

This course provides a review and expansion of the essential skills of the Spanish language. Emphasis is placed on the study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate effectively, accurately, and creatively about the past, present, and future.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Fall

Evening Semesters:

### [SPA212](#)

## **Intermediate Spanish II (CAA)**

This course provides a continuation of SPA 211. Emphasis is placed on the continuing study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Spring

Evening Semesters:

### [SST130](#)

## **Modeling Renewable Energy**

This course introduces software and other technologies used for modeling renewable energy systems. Topics include renewable energy modeling software applications, data analysis, renewable energy resources, and cost of renewable energy systems. Upon completion, students should be able to use appropriate technology to model the effectiveness of renewable energy systems.

Lecture Hours:

2.00

Lab Hours:

2.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

### [STP101](#)

## **Intro Sterile Processing**

This course is designed to introduce the primary responsibilities of a central sterile technician. Emphasis is placed on preparation, storage, and distribution of instruments, supplies and equipment, quality assurance, inventory management, and basic biological sciences. Upon completion, students should be able to demonstrate competence in sterile processing techniques and be able to utilize the appropriate medical terminology as it relates to the Sterile Processing Technician. 6.1.14

Lecture Hours:  
7.00  
Lab Hours:  
2.00  
Credit Hours:  
8.00  
Day Semesters:  
Evening Semesters:

## STP102

### **STP Clinical Practice**

This course provides supervised experience in sterile processing techniques in a clinical facility. Emphasis is placed on preparation, storage, and distribution of instruments, supplies and equipment, quality assurance, and inventory management. Upon completion, students should be able to demonstrate competence in sterile processing techniques.

Lecture Hours:  
Lab Hours:  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## STP103

### **Prof Success Prep**

This course provides job-seeking skills and an overview of theoretical knowledge in preparation for certification. Topics include test taking strategies, resume preparation, and interviewing techniques. Upon completion, students should be able to prepare a resume, demonstrate appropriate interview techniques, and identify strengths and weaknesses in preparation for certification.

Lecture Hours:  
1.00  
Lab Hours:  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## SUR110

### **Intro to Surg Tech**

This course provides a comprehensive study of peri-operative care, patient care concepts, and professional practice concepts within the profession of surgical technology. Topics include: introductory concepts, organizational structure and relationships, legal, ethical and moral issues, medical terminology, pharmacology, anesthesia, wound healing management concepts, and the technological sciences. Upon completion, students should be able to apply theoretical knowledge of the course topics to the practice of surgical technology.

Lecture Hours:  
3.00  
Lab Hours:  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## SUR111

### **Periop Patient Care**

This course provides the surgical technology student the theoretical knowledge required to function in the pre-operative, intra-operative, and post-operative role. Topics include asepsis, disinfection and sterilization, physical environment, instrumentation, equipment, peri-operative patient care, and peri-operative case management. Upon completion, students should be able to apply the principles and practice of the peri-operative team member to the operative environment.

Lecture Hours:

5.00  
Lab Hours:  
6.00  
Credit Hours:  
7.00  
Day Semesters:  
Evening Semesters:

## SUR122

### **Surgical Procedures I**

This course provides an introduction to selected basic and intermediate surgical specialties that students are exposed to the first clinical rotation. Emphasis is placed on related surgical anatomy, pathology, and procedures that enhance theoretical knowledge of patient care, instrumentation, supplies, and equipment. Upon completion, students should be able to correlate, integrate, and apply theoretical knowledge of the course topics to the clinical operative environment.

Lecture Hours:  
5.00  
Lab Hours:  
3.00  
Credit Hours:  
6.00  
Day Semesters:  
Evening Semesters:

## SUR123

### **Sur Clinical Practice I**

This course provides clinical experience with a variety of perioperative assignments to build upon skills learned in SUR 111. Emphasis is placed on the scrub and circulating roles of the surgical technologist including aseptic technique and basic case preparation for selected surgical procedures. Upon completion, students should be able to prepare, assist with, and dismantle basic surgical cases in both the scrub and circulating roles.

Lecture Hours:  
Lab Hours:  
Credit Hours:  
7.00  
Day Semesters:  
Evening Semesters:

## SUR134

### **Surgical Procedures II**

This course provides a comprehensive study of intermediate and advanced surgical specialties that students are exposed to in the second clinical rotation. Emphasis is placed on related surgical anatomy, pathology, and procedures that enhance theoretical knowledge of patient care, instrumentation, supplies, and equipment. Upon completion, students should be able to correlate, integrate, and apply theoretical knowledge of the course topics to the clinical operative environment.

Lecture Hours:  
5.00  
Lab Hours:  
Credit Hours:  
5.00  
Day Semesters:  
Evening Semesters:

## SUR135

### **SUR Clinical Practice II**

This course provides clinical experience with a variety of perioperative assignments to build skills required for complex perioperative patient care. Emphasis is placed on greater technical skills, critical thinking, speed, efficiency, and autonomy in the operative setting. Upon completion, students should be able to function in the role of an entry-level surgical technologist.

Lecture Hours:  
Lab Hours:  
Credit Hours:  
4.00  
Day Semesters:

**SUR137****Prof Success Prep**

This course provides employability skills and an overview of theoretical knowledge in preparation for certification. Topics include test-taking strategies, resume preparation, interviewing strategies, communication skills, and teamwork concepts. Upon completion, students should be able to prepare a resume, demonstrate appropriate interview techniques, and identify strengths and weaknesses in preparation for certification.

Lecture Hours:

1.00

Lab Hours:

Credit Hours:

1.00

Day Semesters:

Evening Semesters:

**SUR210****Adv SUR Clinical Practice**

This course is designed to provide individualized experience in advanced practice, education, circulating, and managerial skills. Emphasis is placed on developing and demonstrating proficiency in skills necessary for advanced practice. Upon completion, students should be able to assume leadership roles in a chosen specialty area.

Lecture Hours:

Lab Hours:

Credit Hours:

2.00

Day Semesters:

Evening Semesters:

**SUR211****Adv Theoretical Concepts**

This course covers theoretical knowledge required for extension of the surgical technologist role. Emphasis is placed on advanced practice in complex surgical specialties, educational methodologies, and managerial skills. Upon completion, students should be able to assume leadership roles in a chosen specialty area.

Lecture Hours:

2.00

Lab Hours:

Credit Hours:

2.00

Day Semesters:

Evening Semesters:

**TRANSFERELECTIVE****Transfer Elective**

Lecture Hours:

3.00

Lab Hours:

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

**TRN110****Intro to Transport Tech**

This course covers workplace safety, hazardous materials, environmental regulations, hand tools, service information, basic concepts, vehicle systems, and common transportation industry terminology. Topics include familiarization with major vehicle systems, proper use of various hand and power tools, material safety data sheets, and personal protective equipment. Upon completion, students should be able to demonstrate appropriate safety procedures, identify and use basic shop tools, and describe government regulations regarding transportation repair facilities.

### Student Learning Outcomes

1. Demonstrate work place safety and hazardous waste disposal per OSHA and EPA guidelines that apply to relevant transportation industry work.
2. Given a vehicle or piece of equipment, students will be able to identify it and locate relevant service information in one or more industry-standard databases.
3. Demonstrate proficiency hoisting transportation vehicles through use of lifts and floor jacks.
4. Complete service repair orders with appropriate information: customer contact information; VIN; cause, concern, correction.
5. Identify and communicate about basic systems and terms associated with the transportation industry.
6. Distinguish between different transportation systems terms and components either on a written exercise or in a lab environment.
7. Demonstrate proper use and care of related transportation industry tools and equipment.
8. Correctly identify or describe government regulations associated with the transportation industry.

Lecture Hours:

1.00

Lab Hours:

2.00

Credit Hours:

2.00

Day Semesters:

Fall

Evening Semesters:

### [TRN120](#)

#### Basic Transp Electricity

This course covers basic electrical theory, wiring diagrams, test equipment, and diagnosis, repair and replacement of batteries, starters, and alternators. Topics include Ohm's Law, circuit construction, wiring diagrams, circuit testing, and basic troubleshooting. Upon completion, students should be able to properly use wiring diagrams, diagnose, test, and repair basic wiring, battery, starting, charging, and electrical concerns.

### Student Learning Outcomes

1. Demonstrate work place safety related to transportation electrical systems.
2. Interpret and apply wiring diagram information on a transportation vehicle electrical system.
3. Demonstrate the proper use of electrical diagnostic test equipment.
4. Use Ohm's law to calculate the value of any of the following given the values of the remaining variables: · \*  
Voltage (V) · \* Resistance (R) · \* Amperage (A)
5. Given a transportation vehicle with a fault in the battery, starting, and charging system, students will be able to perform successful diagnosis and repairs.
6. Demonstrate the ability to obtain appropriate service information on electrical circuit construction.

Lecture Hours:

4.00

Lab Hours:

3.00

Credit Hours:

5.00

Day Semesters:

Fall

Evening Semesters:

### [TRN120A](#)

#### Basic Transp Electrical Lab

This course provides a lab that allows students to enhance their understanding of electrical components and circuits used in the transportation industry. Topics include inspection, diagnosis, and repair of electrical components and circuits using appropriate service information for specific transportation systems. Upon completion, students should be able to diagnose and service electrical components

and circuits used in transportation systems.

Lecture Hours:  
Lab Hours:  
3.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [TRN130](#)

### **Intro to Sustainable Transp**

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This course provides an overview of alternative fuels and alternative fuel vehicles. Topics include composition and use of alternative fuels including compressed natural gas, biodiesel, ethanol, hydrogen, and synthetic fuels, hybrid/electric, and vehicles using alternative fuels. Upon completion, students should be able to identify alternative fuel vehicles, explain how each alternative fuel delivery system operates, and perform minor repairs.

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#### Competencies

##### ·Student Learning Outcomes

- 1. Identify alternative fuels used in transportation industry to reduce the dependency on fossil fuels.
- 2. Describe appropriate safety practices used when servicing and repairing Hybrid Electric Vehicles (HEVs).
- 3. Correctly identify or describe how each alternative fuel is delivered and used in modern transportation vehicles and equipment.
- 4. Identify diagnostic procedures and repairs associated with alternative fueled transportation vehicles and equipment.
- 5. Describe the similarities and differences between various types of Hybrid Electric Vehicle (HEV) power systems found in modern transportation and equipment.
- 6. Identify emerging fuel sources for the transportation industry that are currently in development and describe their characteristics.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [TRN140](#)

### **Transp Climate Control**

This course covers the theory of refrigeration and heating, electrical/electronic/pneumatic controls, and diagnosis and repair of climate control systems. Topics include diagnosis and repair of climate control components and systems, recovery/recycling of refrigerants, and safety and environmental regulations. Upon completion, students should be able to diagnose and repair vehicle climate control systems.

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#### Competencies

##### ·Student Learning Outcomes

- 1. In a lab setting, demonstrate work place safety per OSHA and EPA guidelines that apply to relevant climate control systems found on transportation vehicles and equipment.
  - 2. Given a transportation vehicle or related equipment with a fault to the climate control system, diagnose and repair the climate control system using the recommended lab equipment as outlined by the related service information.
  - 3. Using the recommended equipment as outlined by the EPA, identify and perform the proper recovery and recycling procedures for any refrigerant in a transportation vehicle or related equipment.
  - 4. Describe the operation of the heating, ventilation and air condition systems.
  - 5. Describe the use of climate control testing equipment to aid diagnosis of the systems.
  - 6. Describe the use of appropriate service information and capacity charts.
  - 7. Describe the EPA regulations that govern the proper use of refrigerants in a transportation vehicle or related equipment.
- 

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [TRN140A](#)



## Transp Climate Cont Lab

This course provides experiences for enhancing student skills in the diagnosis and repair of transportation climate control systems. <sup>1.14</sup> Emphasis is placed on reclaiming, recovery, recharging, leak detection, climate control components, diagnosis, air conditioning equipment, tools and safety. Upon completion, students should be able to describe the operation, diagnose, and safely service climate control systems using appropriate tools, equipment, and service information.

### Competencies

#### ·Student Learning Outcomes

- 1. Given a transportation vehicle or related equipment with a fault in the A/C system, diagnose and repair the system using the recommended lab equipment and service information.
- 2. Utilize proper equipment to identify a given A/C refrigerant type and the purity of the A/C refrigerant for the transportation industry.
- 3. Given a transportation vehicle or equipment with an A/C system, determine the recommended refrigerant oil and capacity levels as prescribed from related service information.
- 4. Given a transportation vehicle or equipment with an A/C system, use the recommended equipment to properly reclaim, recycle, evacuate and recharge the entire refrigerant system.
- 5. Given a Heating Ventilation and Air Conditioning (HVAC) system, properly drain, flush and refill the entire anti-freeze coolant system.
- 6. Given a Heating Ventilation and Air Conditioning (HVAC) system, evaluate the anti-freeze coolant condition and perform a systems test as recommended by service information for a transportation vehicle or equipment.
- 7. Diagnose and repair a transportation vehicle or equipment with a fault in a protection device for the given A/C system.
- 8. Given an A/C system, remove and inspect system components and seals for damage which may cause the system to leak refrigerant.
- 9. Given a faulty climate control system, diagnose temperature control problems.

Lecture Hours:

1.00

Lab Hours:

2.00

Credit Hours:

2.00

Day Semesters:

Evening Semesters:

## [TRN145](#)

### Adv Transp Electronics

This course covers advanced transportation electronic systems including programmable logic controllers, on-board data networks, telematics, high voltage systems, navigation, collision avoidance systems and electronic accessories. Topics include interpretation of wiring schematics, reprogramming PLC's, diagnosing and testing data networks and other electronic concerns. Upon completion, students should be able to reprogram PLC's, diagnose and test data networks and other electronic concerns, and work safely with high voltage systems.

### Competencies

#### ·Student Learning Outcomes

- 1. Given a transportation vehicle or related equipment, diagnose and repair a failure in the lighting, gauges, and accessory circuits by using the recommended lab or test equipment as outlined by the related service information.
- 2. Correctly describe the processes involved in electrical system diagnosis on modern transportation vehicles or equipment.
- 3. Given a transportation vehicle or equipment, diagnose and repair a fault in the controller area network (CAN) system by using the recommended lab or test equipment as outlined by the related service information.
- 4. In a lab setting, demonstrate the proper use of electrical diagnostic equipment that apply to transportation vehicles and equipment.
- 5. Given a transportation vehicle or equipment, diagnose and repair a fault in the electronic control system by using the recommended lab or test equipment as outlined by the related service information.
- 6. Demonstrate appropriate diagnostic procedures for sensors, controllers, and circuits by using the recommended test equipment as outlined by service information.
- 7. Correctly identify or describe complex transportation vehicle systems such as, collision avoidance, high intensity headlamps, navigation, and communication systems.
- 8. Given a transportation vehicle or equipment, replace or reprogram an electronic system controller as outlined by the related service information.

Lecture Hours:

2.00

Lab Hours:

3.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## Basic Welding for Transp

This course covers the terms and procedures for welding various metals used in the transportation industry with an emphasis on personal safety and environmental health. Topics include safety and precautionary measures, setup/operation of MIG equipment, metal identification methods, types of welds/joints, techniques, inspection methods, cutting processes and other related issues. Upon completion, students should be able to demonstrate a basic knowledge of welding operations and safety procedures according to industry standard

Lecture Hours:

1.00

Lab Hours:

4.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [TRP100](#)

### Truck Driver Training(Eight-Week Course)

This course provides training in inspecting and driving tractor trailers and assuming driver responsibilities on the road and at pickup and delivery points. Emphasis is placed on defensive driving, federal motor carrier safety regulations, trip planning, cargo handling, vehicle systems, hours of service, and accident prevention. Upon completion, students should be able to demonstrate the skills required for the commercial driver's license and employment. This is a certificate-level course.

Lecture Hours:

6.00

Lab Hours:

18.00

Credit Hours:

12.00

Day Semesters:

Evening Semesters:

## [WBL112](#)

### Work Based Learning I

This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Lecture Hours:

Lab Hours:

Credit Hours:

2.00

Day Semesters:

Evening Semesters:

## [WBL122](#)

### Work Based Learning II

This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Lecture Hours:

Lab Hours:

Credit Hours:

2.00

Day Semesters:

Evening Semesters:

## [WBL211](#)

### Work Based Learning IV

This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of

study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

6.1.14

Lecture Hours:  
Lab Hours:  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [WEB110](#)

### **Internet/Web Fundamentals**

This course introduces basic markup language, various navigational tools and services of the Internet. Topics include creating web pages, using Internet protocols, search engines, file compression/decompression, FTP, E-mail, list servers, and other related topics. Upon completion, students should be able to deploy a web-site created with basic markup language, retrieve/decompress files, e-mail, FTP, and utilize other Internet tools.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [WEB125](#)

### **Mobile Web Design**

This course introduces students to web design for mobile devices. Topics include planning an effective mobile Web site, industry standard Mobile Markup Language, CSS3, multimedia, m-commerce, social media, testing and publishing. Upon completion, students should be able to plan, develop, test, and publish Web content for mobile devices.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [WEB141](#)

### **Mobile Interface Design**

This course covers current design standards and emerging approaches related to the design and development of user interfaces for mobile devices. Emphasis is placed on research and evaluation of standard and emerging practices for effective interface and user experience design. Upon completion, students should be able to design effective and usable interfaces for mobile devices.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [WEB151](#)

### **Mobile Application Development I**

This course introduces students to programming technologies, design and development related to mobile applications. Topics include accessing device capabilities, industry standards, operating systems, and programming for mobile applications using an OS Software Development Kit (SDK). Upon completion, students should be able to create basic applications for mobile devices.

Lecture Hours:  
2.00

Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [WEB187](#)

### **Programming for Mobile Devices**

This course introduces content development for mobile electronic devices with a focus on business-related, social media, and entertainment applications. Emphasis is placed on developing web content and creating applications for mobile devices, including internet/business practices and techniques for delivery on mobile platforms. Upon completion, students should be able to develop web content and business or entertainment applications for use on mobile electronic devices.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [WEB210](#)

### **Web Design**

This course introduces intermediate to advanced web design techniques. Topics include customer expectations, advanced markup language, multimedia technologies, usability and accessibility practices, and techniques for the evaluation of web design. Upon completion, students should be able to employ advanced design techniques to create high impact and highly functional web sites.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [WEB214](#)

### **Social Media**

This course introduces students to social media for organizations. Topics include social media, marketing strategy, brand presence, blogging, social media analytics and technical writing. Upon completion, students should be able to utilize popular social media platforms as part of a marketing strategy, and work with social media analytics tools.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [WEB251](#)

### **Mobile Application Development II**

This course covers advanced applications and custom programming to develop applications for mobile devices. Topics include device capabilities, OS specific Software Development Kits (SDK), scripting for functionality and designing interactivity. Upon completion, students should be able to create basic applications for mobile devices.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:

## [WEB287](#)

### **Web e-Portfolio**

This course covers the creation and organization of a web-based e-portfolio that includes a resume, references, and comprehensive academic and work samples. Emphasis is placed on creating an e-portfolio with solid design and demonstrable content, the production of a resume and self-promotional materials, and interview techniques. Upon completion, students should be able to present their own domain with included professional e-portfolio elements of resume, sample work, and related self-promotional materials.

Lecture Hours:  
1.00  
Lab Hours:  
2.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [WLD110](#)

### **Cutting Processes**

This course introduces oxy-fuel and plasma-arc cutting systems. Topics include safety, proper equipment setup, and operation of oxy-fuel and plasma-arc cutting equipment with emphasis on straight line, curve and bevel cutting. Upon completion, students should be able to oxy-fuel and plasma-arc cut metals of varying thickness.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [WLD112](#)

### **Basic Welding Processes**

This course introduces basic welding and cutting. Emphasis is placed on beads applied with gases, mild steel fillers, and electrodes and the capillary action of solder. Upon completion, students should be able to set up welding and oxy-fuel equipment and perform welding, brazing, and soldering processes

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## [WLD115](#)

### **SMAW (Stick) Plate**

This course introduces the shielded metal arc (stick) welding process. Emphasis is placed on padding, fillet, and groove welds in various positions with SMAW electrodes. Upon completion, students should be able to perform SMAW fillet and groove welds on carbon plate with prescribed electrodes.

Lecture Hours:  
2.00  
Lab Hours:  
9.00  
Credit Hours:  
5.00  
Day Semesters:  
Evening Semesters:

## WLD116

### **SMAW (Stick) Plate/Pipe**

6.1.14

This course is designed to enhance skills with the shielded metal arc (stick welding process. Emphasis is placed on advancing manipulative skills with SMAW electrodes on varying joint geometry. Upon completion, students should be able to perform groove welds on carbon steel with prescribed electrodes in the flat, horizontal, vertical, and overhead positions.

Lecture Hours:

1.00

Lab Hours:

9.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

## WLD121

### **GMAW (MIG) FCAW/Plate**

This course introduces metal arc welding and flux core arc welding processes. Topics include equipment setup and fillet and groove welds with emphasis on application of GMAW and FCAW electrodes on carbon steel plate. Upon completion, students should be able to perform fillet welds on carbon steel with prescribed electrodes in the flat, horizontal, and overhead positions.

Lecture Hours:

2.00

Lab Hours:

6.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

## WLD122

### **GMAW (MIG) Plate/Pipe**

This course is designed to enhance skills with the gas metal arc (MIG) welding process. Emphasis is placed on advancing skills with GMAW process making groove welds on carbon steel plate and pipe in various positions. Upon completion, students should be able to perform groove welds with prescribed electrodes on various joint geometry.

Lecture Hours:

1.00

Lab Hours:

6.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## WLD131

### **GTAW (TIG) Plate**

This course introduces the gas tungsten arc (TIG) welding process. Topics include correct selection of tungsten, polarity, gas, and proper filler rod with emphasis placed on safety, equipment setup, and welding techniques. Upon completion, students should be able to perform GTAW fillet and groove welds with various electrodes and filler materials.

Lecture Hours:

2.00

Lab Hours:

6.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

## WLD132

### **GTAW (TIG) Plate/Pipe**

This course is designed to enhance skills with the gas tungsten arc (TIG) welding process. Topics include setup, joint preparation, and electrode selection with emphasis on manipulative skills in all welding positions on plate and pipe. Upon completion, students should be able to perform GTAW welds with prescribed electrodes and filler materials on various joint geometry.

6.1.14

Lecture Hours:  
1.00  
Lab Hours:  
6.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## WLD141

### **Symbols & Specifications**

This course introduces the basic symbols and specifications used in welding. Emphasis is placed on interpretation of lines, notes, welding symbols, and specifications. Upon completion, students should be able to read and interpret symbols and specifications commonly used in welding.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## WLD151

### **Fabrication I**

This course introduces the basic principles of fabrication. Emphasis is placed on safety, measurement, layout techniques, cutting, joining techniques, and the use of fabrication tools and equipment. Upon completion, students should be able to perform layout activities and operate various fabrication and material handling equipment.

Lecture Hours:  
2.00  
Lab Hours:  
6.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## WLD215

### **SMAW (Stick) Pipe**

This course covers the knowledge and skills that apply to welding pipe. Topics include pipe positions, joint geometry, and preparation with emphasis placed on bead application, profile, and discontinuities. Upon completion, students should be able to perform SMAW welds to applicable codes on carbon steel pipe with prescribed electrodes in various positions.

Lecture Hours:  
1.00  
Lab Hours:  
9.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## WLD231

### **GTAW (Tig) Pipe**

This course covers gas tungsten arc welding on pipe. Topics include joint preparation and fit up with emphasis placed on safety, GTAW welding technique, bead application, and joint geometry. Upon completion, students should be able to perform GTAW welds to applicable codes on pipe with prescribed electrodes and filler materials in various pipe positions.

Lecture Hours:  
1.00  
Lab Hours:  
6.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## WLD261

### **Certification Practices**

This course covers certification requirements for industrial welding processes. Topics include techniques and certification requirements for prequalified joint geometry. Upon completion, students should be able to perform welds on carbon steel plate and/or pipe according to applicable codes.

Lecture Hours:  
1.00  
Lab Hours:  
3.00  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## WLD270

### **Orbital Welding TIG/Pipe**

This course introduces automated tungsten inert gas (TIG) welding hardware, equipment, and processes required to apply specific, accurate, automated, and consistently repetitive pipe welds. Emphasis is placed on proper identification of automated welding process variables, how each relates to the functionality of orbital equipment and components, and how changes in variables directly influence weld quality. Upon completion, students should be able to produce quality pipe welds through the appropriate operation and control of automated TIG welding equipment.

Lecture Hours:  
2.00  
Lab Hours:  
6.00  
Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

## WPL131

### **Work Based Learning III**

This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Lecture Hours:  
Lab Hours:  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## ZAS110

### **Introduction to Zookeeping**

This course provides a practical guide to zookeeping. Topics include safety issues, basic sanitation, housing, and feeding of animals; overview of capture and restraint equipment; animal transport; identification of abnormal behavior, and injuries. Upon completion, students should be able to demonstrate beginning level knowledge of zookeeping technology.

Lecture Hours:  
2.00  
Lab Hours:  
6.00



Credit Hours:  
4.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [ZAS112](#)

### **Introduction to Zoo Science**

This course introduces students to the application and integration of zoo theory and management. Topics include zoo operations, history and development, AZA accreditation, and professionalism. Upon completion, students should be able to demonstrate beginning level knowledge of the philosophy, organization, and management of the modern zoo.

Lecture Hours:  
1.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [ZAS113](#)

### **Animal Exhibits**

This course introduces students to the concept of exhibit design and construction used in zoo and aquaria settings. Topics include master plan development, exhibit design, construction, and maintenance. Upon completion, students should be able to explain exhibit design with principles associated with the biological and behavioral needs of the organism.

Lecture Hours:  
1.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [ZAS114](#)

### **Species Survival Plans**

This course introduces students to the legal issues involved in the management and care of exotic animals in zoos and aquaria. Topics include discussion of municipal, state, and national laws that affect the care, husbandry, environmental enrichment, and transportation of captive exotic animals. Upon completion, students should be able to discuss legal issues related to maintaining captive exotic animal collections.

Lecture Hours:  
1.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00  
Day Semesters:  
Evening Semesters:

## [ZAS115](#)

### **Introduction to Wildlife Law**

This course introduces students to the legal issues involved in the management and care of exotic animals in zoos and aquaria. Topics include discussion of municipal, state, and national laws that affect the care, husbandry, environmental enrichment, and transportation of captive exotic animals. Upon completion, students should be able to discuss legal issues related to maintaining captive exotic animal collections.

Lecture Hours:  
1.00  
Lab Hours:  
0.00  
Credit Hours:  
1.00

## ZAS120

### **Zoonotic Diseases**

This course introduces students to common zoonotic diseases, modes of transmission, and disease prevention procedures used in zoos and aquaria. Topics include an overview of zoonotic disease characteristics and etiological agents, modes of transmission, principles of sanitation and disease prevention, morbidity, and mortality. Upon completion, students should be able to identify etiological agents and modes of transmission and implement prevention strategies for zoonotic diseases common in zoological parks/aquaria.

Lecture Hours:  
2.00  
Lab Hours:  
Credit Hours:  
2.00  
Day Semesters:  
Evening Semesters:

## ZAS130

### **Introduction to Ethology**

This course acquaints students with the variety of natural behaviors in various animal species. Topics include mating system, parental care, territoriality, communication, social interactions, and learning/operant behavior. Upon completion, students should be able to explain the motivations and associated behaviors of exotic animals in their captive and wild states.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## ZAS131

### **Applied Animal Psychology**

This course introduces students to principles of animal learning. Topics include operant conditioning and environmental enrichment. Upon completion, students should be able to develop basic environmental enrichment activities, maintain an environmental enrichment log, and understand the basics of animal conditioning.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## ZAS132

### **Operant Conditioning**

This course covers the basic principles of operant conditioning in the zoological park and provides students with opportunities to apply principles in a zoo setting. Topics include the application of operant conditioning techniques such as reinforcement, punishment, and stimulus control in the zoo setting. Upon completion, students should be able to successfully apply operant conditioning techniques with domestic and captive animals.

Lecture Hours:  
2.00  
Lab Hours:  
2.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## **Introduction to Aquarium Science**

This course introduces students to the application and integration of aquarium theory and management. Topics include the history and development of the modern aquarium movement, aquarium operations, AZA accreditation, and professionalism. Upon completion, students should be able to demonstrate beginning level understanding of the philosophy, organization, and management of the modern aquarium.

Lecture Hours:

3.00

Lab Hours:

3.00

Credit Hours:

4.00

Day Semesters:

Evening Semesters:

## [ZAS220](#)

### **Comparative Anatomy**

This non-laboratory course introduces the student to principles in vertebrate anatomy and physiology, taking a comparative approach. Topics include a review of key morphological and physiological features organisms use to successfully survive in their natural environment. Upon completion, students should be able to describe major morphological and physiological differences and similarities between vertebrates.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [ZAS232](#)

### **Zoo Invertebrates**

This course introduces the major invertebrate taxa, with emphasis on insects and vertebrate parasites. Topics include the identification of the major groups and their ecology. Upon completion, students should be able to identify and describe the management of insects in collections and describe the common parasites of vertebrates.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [ZAS233](#)

### **Zoo Ichthyology**

This course begins the students' study of fresh water and marine animals typically displayed in zoos and aquaria. Topics include the biology, ecology, taxonomy, identification, care, maintenance, and display of fresh water/marine animals. Upon completion, students should be able to present relevant and accurate information about fresh water or marine fishes on display in a captive environment.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

## [ZAS234](#)

## **Zoo Herpetology**

This course begins the students' study of reptiles and amphibians typically displayed in zoos. Topics include the biology, ecology, taxonomy, identification, care, maintenance, and display of reptiles and amphibians. Upon completion, students should be able to present relevant and accurate information about reptiles and amphibians on display in a captive environment.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

### [ZAS235](#)

## **Zoo Ornithology**

This course begins the students' study of avian species typically displayed in zoos. Topics include the biology, ecology, taxonomy, identification, care, maintenance, and display of birds. Upon completion, students should be able to present relevant and accurate information about birds on display in a captive environment.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

### [ZAS236](#)

## **Zoo Mammalogy**

This course begins the students' study of mammalian species typically displayed in zoos. Topics include the biology, ecology, taxonomy, identification, care, maintenance, and display of exotic mammals. Upon completion, students should be able to present relevant and accurate information about mammals on display in a captive environment.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

### [ZAS240](#)

## **Animal Ethics**

This course covers current issues in animal ethics that affect modern zoo and aquarium management. Topics include ethical issues related to rehabilitation and animal welfare in zoos, aquaria, and entertainment settings. Upon completion, students should be able to demonstrate an understanding of animal rights, animal welfare, and current ethics strategies used in modern zoos and aquaria.

Lecture Hours:

3.00

Lab Hours:

0.00

Credit Hours:

3.00

Day Semesters:

Evening Semesters:

### [ZAS243](#)

## **Principles of Aquarium Science**

This course introduces students to study of fresh water and marine aquarium life support systems. Topics include the design, construction, and daily maintenance of fresh water and marine aquarium exhibits. Upon completion, students should be able to present relevant and

Lecture Hours:  
2.00  
Lab Hours:  
3.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## ZAS250

### **Applied Zoo Management**

This course applies current zoo management theory to actively and proactively solving existing problems/concerns in the modern zoo. Topics include animal welfare issues, public relations, conservation issues, SSP plans, and record keeping. Upon completion, students should be able to present viable solutions to a broad array of issues involving the daily zoo operations.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## ZAS251

### **Zoo Horticulture**

This course introduces students to the study of plant species typically displayed in zoos and aquaria. Topics include the biology, taxonomy, identification, care, maintenance, and display of plants commonly found in animal exhibits and on zoo grounds. Upon completion, students should be able to present relevant and accurate information about common plant species displayed in animal exhibits and on zoo grounds.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## ZAS271

### **Zoo Pathophysiology**

This course is a survey of animal diseases common to species typically displayed in zoos. Topics include the etiology, transmission, prevention, and treatment of major diseases common to exotic animal species. Upon completion, students should be able to present relevant and accurate information about the symptoms, transmission, and treatments of common animal diseases and zoonoses.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## ZAS272

### **Aquatic Pathophysiology**

This course is a survey of animal diseases common to aquatic species in an aquarium setting. Topics include the etiology, transmission, prevention, and treatment of major diseases common to aquatic species in an aquarium environment. Upon completion, students should be able to present relevant and accurate information about the symptoms, transmission, and treatments of common aquatic animal diseases and zoonoses..

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## [ZAS274](#)

### **Applied Herpetology**

This course applies current theory to the daily management and care of amphibians and reptiles in captivity. Topics include animal welfare issues, healthcare, nutrition, reproduction, environmental enrichment of amphibians and reptiles. Upon completion, students should be able to demonstrate an advanced level knowledge and experience in the field of amphibian and reptile care.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [ZAS275](#)

### **Applied Avian Management**

This course applies current theory to the daily management and care of birds in captivity. Topics include animal welfare issues, healthcare, nutrition, reproduction, environmental enrichment of avian species in captivity. Upon completion, students should be able to demonstrate an advanced level knowledge and experience in the field of avian care.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [ZAS276](#)

### **Applied Ungulate Management**

This course applies current theory to the daily management and care of exotic ungulate species in captivity. Topics include animal welfare issues, healthcare, nutrition, reproduction, environmental enrichment of ungulate species. Upon completion, students should be able to demonstrate appropriate care and communicate species-specific information related to exotic ungulates in captivity.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## [ZAS277](#)

### **Applied Carnivore Management**

This course applies current theory to the daily management and care of carnivores. Topics include animal welfare issues, healthcare, nutrition, reproduction, environmental enrichment of feline, canine, and ursid species in captivity. Upon completion, students should be able to demonstrate an advanced level knowledge and experience the field of canine, feline, and ursid care.

Lecture Hours:  
3.00  
Lab Hours:  
0.00

Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

6.1.14

## ZAS278

### **Applied Pachyderm Management**

This course applies current theory to the daily management and care of elephants in captivity. Topics include the animal welfare issues, healthcare, nutrition, reproduction, and environmental enrichment of pachyderms. Upon completion, students should be able to demonstrate appropriate care and community species-specific information related to elephants in captivity.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

## ZAS286

### **Applied Primate Management**

This course applies current theory to the daily management and care of great apes, primates, and prosimians in captivity. Topics include animal welfare issues, healthcare, nutrition, reproduction, environmental enrichment of primate species. Upon completion, students should be able to demonstrate an advanced level knowledge and experience in the field of primate care.

Lecture Hours:  
3.00  
Lab Hours:  
0.00  
Credit Hours:  
3.00  
Day Semesters:  
Evening Semesters:

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