

PROGRAMS OF STUDY

South Piedmont Community College offers programs of study in a wide range of college transfer and career areas. These programs of study lead to a certificate, a diploma, or an associate degree.

Most courses are offered on a 16-week semester basis or 80 school days. Courses may also be offered as 12-week, 8-week, or 4-week sessions. Courses are offered during the day, evenings, weekends, and as distance learning. Not all programs courses are offered at all of these times or as distance learning options.

South Piedmont Community College ensures all graduates of its degree and diploma programs have achieved competence in English, reading, mathematics, and computer skills by placing out of or successfully completing courses at the DRE 098 or ENG 090 and RED 090; MAT 070 or DMA 040, and CIS 070 levels.

College Transfer

College Transfer programs are designed to parallel the freshman and sophomore years of a four-year college or university. During the first two years of college, students take a program of general education coursework in the areas of English composition, humanities and fine arts, social and behavioral sciences, and natural sciences and mathematics. These general education courses will enable students to gain a well-rounded education before going on to a four-year college or university.

College Transfer students may work toward an Associate in Arts (A.A.) or an Associate in Science (A.S.) Degree. Students may attend classes full time or part time during the day, evening, or online.

During the first semester, students are assigned an advisor who will help select appropriate courses. All courses are approved by the State’s Transfer Advisory Committee and will meet general education requirements in all schools in the University of North Carolina system. Students must meet the receiving university’s foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Community College graduates of the Associate in Arts or Associate in Science degree programs who have earned 60 semester hours in approved transfer courses with a grade of “C” or better in each course and an overall GPA of at least 2.0 on a 4.0 scale will receive at least 60 semester hours of academic credit upon admission to a UNC institution. Due to degree requirements in some majors, additional courses at the UNC institution may be required beyond the general education courses and pre-major courses taken at the community college. Courses offered through bilateral agreements may not transfer to all receiving institutions.

Associate in Arts Degree (A10100)

The Associate in Arts degree is recommended for students who plan to transfer to four-year colleges or universities to pursue the Bachelor of Arts degree.

GENERAL EDUCATION CORE45 SHC

English Composition (6 SHC)

- ENG 111 Writing and Inquiry
- ENG 112 Writing/Research in the Disciplines

Humanities/Fine Arts (9 SHC)

- Communication (COM 231)
- Choose two courses from the following:
 - Art (ART 111, ART 114, ART 115)
 - Literature (ENG 231, ENG 232)

- Music (MUS 110, MUS 112)
- Philosophy (PHI 215, PHI 240)

Social/Behavioral Sciences (9 SHC)

- Choose three courses (minimum 3 subjects) from the following:
 - Economics (ECO 251, ECO 252)
 - History (HIS 111, HIS 112, HIS 131, HIS 132))
 - Political Science (POL 120)
 - Psychology (PSY 150)
 - Sociology (SOC 210)

Mathematics (3 SHC)

- Choose one course from the following:
 - Mathematics (MAT 143, MAT 152, MAT 171)

Natural Sciences (4 SHC)

- Choose one course from the following:
 - Astronomy (AST 111/AST 111A; AST 151/AST 151A)
 - Biology (BIO 110, BIO 111)
 - Chemistry (CHM 151)
 - Geology (GEL 111)
 - Physics (PHY 110/PHY 110A)

Additional General Education (14)

- Information Systems (CIS 110)
- Foreign Language (Choose two courses from one of the following groups):
 - American Sign Language (ASL 111, ASL 112, ASL 211, ASL 212)
 - Chinese (CHI 111, CHI 112, CHI 211, CHI 212)
 - French (FRE 111, FRE 112, FRE 211, FRE 212)
 - German (GER 111, GER 112, GER 211, GER 212)
 - Russian (RUS 111, RUS 112, RUS 211, RUS 212)
 - Spanish (SPA 111, SPA 112, SPA 211, SPA 212)
- Choose a minimum of 5 hours from the following:
 - ART 111, ART 114, ART 115
 - ASL 111, ASL 112, ASL 211, ASL 212
 - AST 111/AST 111A; AST 151/AST 151A
 - BIO 110, BIO 111, BIO 112, BIO 130, BIO 140
 - CHI 111, CHI 112, CHI 211, CHI 212
 - CHM 131/CHM 131A, CHM 132, CHM 151, CHM 152
 - CIS 115
 - COM 110, COM 120, COM 140
 - DRA 111, DRA 112, DRA 115, DRA 122, DRA 126, DRA 211, DRA 212
 - ECO 251, ECO 252
 - ENG 113, ENG 114, ENG 131, ENG 231, ENG 232, ENG 233, ENG 241, ENG 242, ENG 243, ENG 261, ENG 262
 - FRE 111, FRE 112, FRE 211, FRE 212
 - GEO 111
 - GER 111, GER 112, GER 211, GER 212
 - HIS 111, HIS 112, HIS 115, HIS 121, HIS 122, HIS 131, HIS 132
 - HUM 110, HUM 120, HUM 130, HUM 150, HUM 160, HUM 211, HUM 212, HUM 220
 - MAT 143, MAT 152, MAT 171, MAT 172, MAT 263, MAT 271, MAT 272, MAT 273
 - MUS 110, MUS 112, MUS 113, MUS 114, MUS 210, MUS 211, MUS 212, MUS 213
 - PHI 215, PHI 230, PHI 240
 - PHY 110/PHY 110A, PHY 151, PHY 152, PHY 251, PHY 252
 - POL 110, POL 120, POL 210, POL 220
 - PSY 150, PSY 237, PSY 239, PSY 241, PSY 281
 - REL 110, REL 211, REL 212, REL 221
 - RUS 111, RUS 112, RUS 211, RUS 212

- SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 240
- SPA 111, SPA 112, SPA 211, SPA 212

OTHER REQUIRED HOURS 16 SHC

Required Courses (1 SHC)

- ACA 122

Electives (15 SHC)

Choose a minimum of 15 additional hours from the college transfer general education, elective and/or pre-major courses listed below (maximum two credits from PED prefix):

- ACC 120, ACC 121
- ART 111, ART 114, ART 115, ART 121, ART 122, ART 131, ART 171, ART 212, ART 213, ART 214, ART 240, ART 241, ART 260, ART 271, ART 281, ART 282, ART 283, ART 284, ART 288
- ASL 111, ASL 112, ASL 211, ASL 212
- AST 111/AST 111A; AST 151/AST 151A
- BIO 110, BIO 111, BIO 112, BIO 130, BIO 140, BIO 163, BIO 165, BIO 166, BIO 250, BIO 271, BIO 275
- BUS 110, BUS 115, BUS 137
- CHI 111, CHI 112, CHI 211, CHI 212
- CHM 131, CHM 131A, CHM 151, CHM 152, CHM 251, CHM 252
- CIS 115
- CJC 111, CJC 121, CJC 141
- COM 110, COM 120, COM 140, COM 150, COM 251
- CSC 151
- DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 131, DRA 140, DRA 141, DRA 142, DRA 145, DRA 170, DRA 171, DRA 211, DRA 212
- ECO 251 ECO 252
- EDU 216
- EGR 150
- ENG 113, ENG 114, ENG 125, ENG 126, ENG 131, ENG 231, ENG 232, ENG 233, ENG 235, ENG 241, ENG 242, ENG 243, ENG 261, ENG 262, ENG 273
- FRE 111, FRE 112, FRE 161, FRE 211, FRE 212
- GEO 111
- GER 111, GER 112, GER 161, GER 211, GER 212
- HIS 111, HIS 112, HIS 115, HIS 121, HIS 122, HIS 131, HIS 132, HIS 145, HIS 221, HIS 236
- HUM 110, HUM 120, HUM 130, HUM 150, HUM 160, HUM 170, HUM 180, HUM 211, HUM 212, HUM 220
- JOU 110, JOU 216, JOU, 217
- MAT 143, MAT 152, MAT 171, MAT 172, MAT 263, MAT 271, MAT 272, MAT 273, MAT 280, MAT 285
- MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 122, MUS 123, MUS 131, MUS 132, MUS 133, MUS 134, MUS 141, MUS 142, MUS 151, MUS 152, MUS 161, MUS 162, MUS 210, MUS 211, MUS 212, MUS 213, MUS 261, MUS 262
- PED 110, PED 113, PED 120, PED 122, PED 125, PED 142, PED 147, PED 163, PED 219, PED 237
- PHI 215, PHI 230, PHI 240
- PHY 110, PHY 110A, PHY 151, PHY 152, PHY 251, PHY 252
- POL 110, POL 120, POL 210, POL 220
- PSY 150, PSY 211, PSY 231, PSY 237, PSY 239, PSY 241, PSY 243, PSY 246, PSY 249, PSY 259, PSY 281
- REL 110, REL 211, REL 212, REL 221
- RUS 111, RUS 112, RUS 211, RUS 212
- SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244, SOC 245
- SPA 111, SPA 112, SPA 161, SPA 211, SPA 212

TOTAL SEMESTER HOURS CREDIT (SHC) IN PROGRAM 61 SHC

Associate in Science Degree

(A10400)

The Associate in Science degree is recommended for students who plan to transfer to four-year colleges or universities to pursue the Bachelor of Science degree.

GENERAL EDUCATION CORE45 SHC

English Composition (6 SHC)

- ENG 111 Writing and Inquiry
- ENG 112 Writing/Research in the Disciplines

Humanities/Fine Arts (6 SHC)

- Communication (COM 231)
- Choose one course from the following:
 - Art (ART 111, ART 114, ART 115)
 - Literature (ENG 231, ENG 232)
 - Music (MUS 110, MUS 112)
 - Philosophy (PHI 215, PHI 240)

Social/Behavioral Sciences (6 SHC)

- Choose two courses (minimum two subjects) from the following:
 - Economics (ECO 251, ECO 252)
 - History (HIS 111, HIS 112, HIS 131, HIS 132)
 - Political Science (POL 120)
 - Psychology (PSY 150)
 - Sociology (SOC 210)

Mathematics (8 SHC)

- Choose two courses from the following:
 - Mathematics (MAT 171, MAT 172, MAT 263, MAT 271)

Natural Sciences (8 SHC)

- Choose one group from the following:
 - AST 151/AST 151A and BIO 110
 - AST 151/AST 151A and GEL 111
 - AST 151/AST 151A and PHY 110/PHY 110A
 - BIO 111 and BIO 112
 - BIO 110 and GEL 111
 - BIO 110 and PHY 110/PHY 110A
 - CHM 151 and CHM 152
 - PHY 110/PHY 110A and GEL 111
 - PHY 151 and PHY 152
 - PHY 251 and PHY 252

Additional General Education (11)

- Computer Science (CIS 110)
- Foreign Language (Choose two courses from one of the following groups:)
 - American Sign Language (ASL 111, ASL 112, ASL 211, ASL 212)
 - Chinese (CHI 111, CHI 112, CHI 211, CHI 212)
 - French (FRE 111, FRE 112, FRE 211, FRE 212)
 - German (GER 111, GER 112, GER 211, GER 212)
 - Russian (RUS 111, RUS 112, RUS 211, RUS 212)
 - Spanish (SPA 111, SPA 112, SPA 211, SPA 212)
- Electives (Choose a minimum of 2 credits from the following:)
 - ART 111, ART 114, ART 115
 - ASL 111, ASL 112, ASL 211, ASL 212
 - AST 111/AST 111A; AST 151/AST 151A
 - BIO 110, BIO 111, BIO 112, BIO 130, BIO 140

- CHI 111, CHI 112, CHI 211, CHI 212
- CHM 131/CHM 131A, CHM 132, CHM 151, CHM 152
- CIS 115
- COM 110, COM 120, COM 140
- DRA 111, DRA 112, DRA 115, DRA 122, DRA 126, DRA 211, DRA 212
- ECO 251, ECO 252
- ENG 113, ENG 114, ENG 131, ENG 231, ENG 232, ENG 233, ENG 241, ENG 243, ENG 261, ENG 262
- FRE 111, FRE 112, FRE 211, FRE 212
- GEO 111
- GER 111, GER 112, GER 211, GER 212
- HIS 111, HIS 112, HIS 115, HIS 121, HIS 122, HIS 131, HIS 132
- HUM 110, HUM 120, HUM 130, HUM 150, HUM 160, HUM 211, HUM 212, HUM 220
- MAT 143, MAT 152, MAT 171, MAT 172, MAT 263, MAT 271, MAT 272, MAT 273
- MUS 110, MUS 112, MUS 113, MUS 114, MUS 210, MUS 211, MUS 212, MUS 213
- PHI 215, PHI 230, PHI 240
- PHY 110/PHY 110A, PHY 151, PHY 152, PHY 251, PHY 252
- POL 110, POL 120, POL 210, POL 220
- PSY 150, PSY 237, PSY 239, PSY 241, PSY 281
- REL 110, REL 211, REL 212, REL 221
- RUS 111, RUS 112, RUS 211, RUS 212
- SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 240
- SPA 111, SPA 112, SPA 211, SPA 212

OTHER REQUIRED HOURS 16 SHC

Required Courses (1 SHC)

- ACA 122

Electives (15 SHC)

Choose a minimum of 15 additional hours from the college transfer general education, elective and/or pre-major courses listed below (maximum two credits from PED prefix):

- ACC 120, ACC 121
- ART 111, ART 114, ART 115, ART 121, ART 122, ART 131, ART 171, ART 212, ART 213, ART 214, ART 240, ART 241, ART 260, ART 271, ART 281, ART 282, ART 283, ART 284, ART 288
- ASL 111, ASL 112, ASL 211, ASL 212
- AST 111/AST 111A; AST 151/AST 151A
- BIO 110, BIO 111, BIO 112, BIO 130, BIO 140, BIO 163, BIO 165, BIO 166, BIO 250, BIO 271, BIO 275
- BUS 110, BUS 115, BUS 137
- CHI 111, CHI 112, CHI 211, CHI 212
- CHM 131, CHM 131A, CHM 151, CHM 152, CHM 251, CHM 252
- CIS 115
- CJC 111, CJC 121, CJC 141
- COM 110, COM 120, COM 140, COM 150, COM 251
- CSC 151
- DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 131, DRA 140, DRA 141, DRA 142, DRA 145, DRA 170, DRA 171, DRA 211, DRA 212
- ECO 251 ECO 252
- EDU 216
- EGR 150
- ENG 113, ENG 114, ENG 125, ENG 126, ENG 131, ENG 231, ENG 232, ENG 233, ENG 235, ENG 241, ENG 242, ENG 243, ENG 261, ENG 262, ENG 273
- FRE 111, FRE 112, FRE 161, FRE 211, FRE 212
- GEO 111
- GER 111, GER 112, GER 161, GER 211, GER 212
- HIS 111, HIS 112, HIS 115, HIS 121, HIS 122, HIS 131, HIS 132, HIS 145, HIS 221, HIS 236

- HUM 110, HUM 120, HUM 130, HUM 150, HUM 160, HUM 170, HUM 180, HUM 211, HUM 212, HUM 220
- JOU 110, JOU 216, JOU, 217
- MAT 143, MAT 152, MAT 171, MAT 172, MAT 263, MAT 271, MAT 272, MAT 273, MAT 280, MAT 285
- MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 122, MUS 123, MUS 131, MUS 132, MUS 133, MUS 134, MUS 141, MUS 142, MUS 151, MUS 152, MUS 161, MUS 162, MUS 210, MUS 211, MUS 212, MUS 213, MUS 261, MUS 262
- PED 110, PED 113, PED 120, PED 122, PED 125, PED 142, PED 147, PED 163, PED 219, PED 237
- PHI 215, PHI 230, PHI 240
- PHY 110, PHY 110A, PHY 151, PHY 152, PHY 251, PHY 252
- POL 110, POL 120, POL 210, POL 220
- PSY 150, PSY 211, PSY 231, PSY 237, PSY 239, PSY 241, PSY 243, PSY 246, PSY 249, PSY 259, PSY 281
- REL 110, REL 211, REL 212, REL 221
- RUS 111, RUS 112, RUS 211, RUS 212
- SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244, SOC 245
- SPA 111, SPA 112, SPA 161, SPA 211, SPA 212

TOTAL SEMESTER HOURS CREDIT (SHC) IN PROGRAM61 SHC

A community college student who was enrolled in an Associate in Fine Arts (AFA) degree program and who satisfactorily completed the courses with a grade of “C” or better in all courses that are designated for college transfer will receive credit for those courses. AFA students completing Universal General Education Transfer Component courses will receive equivalent general education course credit for those courses at the receiving institution. For courses not designated as Universal General Education Transfer Component, the receiving institution will determine whether the course will count as general education or pre-major/elective credit. Students in the AFA programs who transfer must meet the general education requirements of the receiving institution.

Associate in Fine Arts Degree (A10200)

The Associate in Fine Arts degree is recommended for students who plan to transfer to four-year colleges or universities to pursue the Bachelor of Fine Arts degree.

GENERAL EDUCATION CORE28 SHC

English Composition (6 SHC)

- ENG 111 Writing and Inquiry
- ENG 112 Writing/Research in the Disciplines

Humanities/Fine Arts (6 SHC)

- Literature (Choose one course: ENG 231, ENG 232)
- Choose one course from the following:
 - Art (ART 111, ART 114, ART 115)
 - Music (MUS 110, MUS 112)
 - Philosophy (PHI 215, PHI 240)

Social/Behavioral Sciences (9 SHC)

- History (Choose one course: HIS 111, HIS 112, HIS 131, HIS 132)
- Choose two courses (minimum 2 subjects) from the following:
 - Economics (ECO 251, ECO 252)
 - Political Science (POL 120)
 - Psychology (PSY 150)
 - Sociology (SOC 210)

Mathematics (3 SHC)

- Mathematics (MAT 143)

Natural Sciences (4 SHC)

- Choose one course from the following:
 - Astronomy (AST 111/AST 111A)
 - Biology (BIO 110, BIO 111)
 - Chemistry (CHM 151)
 - Physics (PHY 110/PHY 110A)

OTHER REQUIRED HOURS37 SHC

Required Courses (7 SHC)

- ACA 122
- CIS 110
- COM 231

Electives (30 SHC)

- Choose a minimum of 30 additional hours from the college transfer general education, elective and/or pre-major courses listed below (maximum two credits from PED prefix):
 - ACC 120, ACC 121
 - ART 111, ART 114, ART 115, ART 121, ART 122, ART 131, ART 135, ART 171, ART 212, ART 213, ART 214, ART 240, ART 241, ART 260, ART 264, ART 265, ART 271, ART 281, ART 282, ART 283, ART 284, ART 288
 - ASL 111, ASL 112, ASL 211, ASL 212

- AST 111/AST 111A; AST 151/AST 151A
- BIO 110, BIO 111, BIO 112, BIO 130, BIO 140, BIO 163, BIO 165, BIO 166, BIO 250, BIO 271, BIO 275
- BUS 110, BUS 115, BUS 137
- CHI 111, CHI 112, CHI 211, CHI 212
- CHM 131, CHM 131A, CHM 132, CHM 151, CHM 152
- CIS 115
- CJC 111, CJC 121, CJC 141
- COM 110, COM 120, COM 140, COM 150, COM 251
- DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 131, DRA 140, DRA 141, DRA 142, DRA 145, DRA 170, DRA 171, DRA 211, DRA 212
- ECO 251 ECO 252
- ENG 113, ENG 114, ENG 125, ENG 126, ENG 131, ENG 231, ENG 232, ENG 233, ENG 235, ENG 241, ENG 242, ENG 243, ENG 261, ENG 262, ENG 273
- FRE 111, FRE 112, FRE 161, FRE 211, FRE 212
- GEO 111
- GER 111, GER 112, GER 161, GER 211, GER 212
- HIS 111, HIS 112, HIS 115, HIS 121, HIS 122, HIS 131, HIS 132, HIS 145, HIS 221, HIS 236
- HUM 110, HUM 120, HUM 130, HUM 150, HUM 160, HUM 170, HUM 180, HUM 211, HUM 212, HUM 220
- JOU 110, JOU 216, JOU, 217
- MAT 152, MAT 171, MAT 172, MAT 263, MAT 271, MAT 272, MAT 273, MAT 280, MAT 285
- MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 122, MUS 123, MUS 131, MUS 132, MUS 133, MUS 134, MUS 141, MUS 142, MUS 151, MUS 152, MUS 161, MUS 162, MUS 210, MUS 211, MUS 212, MUS 213, MUS 261, MUS 262
- PED 110, PED 113, PED 120, PED 122, PED 125, PED 142, PED 147, PED 163, PED 219, PED 237
- PHI 215, PHI 230, PHI 240
- PHY 110, PHY 110A, PHY 151, PHY 152, PHY 251, PHY 252
- POL 110, POL 120, POL 210, POL 220
- PSY 150, PSY 211, PSY 231, PSY 237, PSY 239, PSY 241, PSY 243, PSY 246, PSY 249, PSY 259, PSY 281
- REL 110, REL 211, REL 212, REL 221
- RUS 111, RUS 112, RUS 211, RUS 212
- SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244, SOC 245
- SPA 111, SPA 112, SPA 161, SPA 211, SPA 212

TOTAL SEMESTER HOURS CREDIT (SHC) IN PROGRAM65 SHC

Associate in Fine Arts Degree Visual Art Pathway (A10200A)

The Associate in Arts degree is recommended for students who plan to transfer to four-year colleges or universities to pursue the Bachelor of Arts degree.

GENERAL EDUCATION CORE28 SHC

English Composition (6 SHC)

- ENG 111 Writing and Inquiry
- ENG 112 Writing/Research in the Disciplines

Humanities/Fine Arts (6 SHC)

- Literature (Choose one course: ENG 231, ENG 232)
- Art (ART 111)

Social/Behavioral Sciences (9 SHC)

- History (Choose one course: HIS 111, HIS 112, HIS 131, HIS 132)
- Choose two courses (minimum 2 subjects) from the following:
 - Economics (ECO 251, ECO 252)
 - Political Science (POL 120)
 - Psychology (PSY 150)
 - Sociology (SOC 210)

Mathematics (3 SHC)

- Mathematics (MAT 143)

Natural Sciences (4 SHC)

- Choose one course from the following:
 - Astronomy (AST 111/AST 111A)
 - Biology (BIO 110, BIO 111)
 - Chemistry (CHM 151)
 - Physics (PHY 110/PHY 110A)

OTHER REQUIRED HOURS37 SHC

Required Courses (23 SHC)

- ACA 122
- ART 114, ART 115, ART 121, ART 122, ART 131, ART 214
- CIS 110
- COM 231

Art Elective (6 SHC)

- Choose a minimum of 6 hours from the following:
 - ART 171, ART 240, ART 241, ART 264, ART 265, ART 271, ART 281, ART 282, ART 283, ART 284, ART 288

Electives (8 SHC)

- Choose a minimum of 8 additional hours from the college transfer general education, elective and/or pre-major courses listed below (maximum two credits from PED prefix):
 - ACC 120, ACC 121
 - ART 135, ART 171, ART 212, ART 213, ART 240, ART 241, ART 260, ART 264, 145 265, ART 271, ART 281, ART 282, ART 283, ART 284, ART 288
 - ASL 111, ASL 112, ASL 211, ASL 212
 - AST 111/AST 111A; AST 151/AST 151A
 - BIO 110, BIO 111, BIO 112, BIO 130, BIO 140, BIO 163, BIO 165, BIO 166, BIO 250, BIO 271, BIO 275
 - BUS 110, BUS 115, BUS 137
 - CHI 111, CHI 112, CHI 211, CHI 212
 - CHM 131, CHM 131A, CHM 151, CHM 152
 - CIS 115
 - CJC 111, CJC 121, CJC 141

- COM 110, COM 120, COM 140, COM 150, COM 251
- DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 131, DRA 140, DRA 141, DRA 142, DRA 145, DRA 170, DRA 171, DRA 211, DRA 212
- ECO 251 ECO 252
- ENG 113, ENG 114, ENG 125, ENG 126, ENG 131, ENG 231, ENG 232, ENG 233, ENG 235, ENG 241, ENG 242, ENG 243, ENG 261, ENG 262, ENG 273
- FRE 111, FRE 112, FRE 161, FRE 211, FRE 212
- GEO 111
- GER 111, GER 112, GER 161, GER 211, GER 212
- HIS 111, HIS 112, HIS 115, HIS 121, HIS 122, HIS 131, HIS 132, HIS 145, HIS 221, HIS 236
- HUM 110, HUM 120, HUM 130, HUM 150, HUM 160, HUM 170, HUM 180, HUM 211, HUM 212, HUM 220
- JOU 110, JOU 216, JOU, 217
- MAT 152, MAT 171, MAT 172, MAT 263, MAT 271, MAT 272, MAT 273, MAT 280, MAT 285
- MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 122, MUS 123, MUS 131, MUS 132, MUS 133, MUS 134, MUS 141, MUS 142, MUS 151, MUS 152, MUS 161, MUS 162, MUS 210, MUS 211, MUS 212, MUS 213, MUS 261, MUS 262
- PED 110, PED 113, PED 120, PED 122, PED 125, PED 142, PED 147, PED 163, PED 219, PED 237
- PHI 215, PHI 230, PHI 240
- PHY 110, PHY 110A, PHY 151, PHY 152, PHY 251, PHY 252
- POL 110, POL 120, POL 210, POL 220
- PSY 150, PSY 211, PSY 231, PSY 237, PSY 239, PSY 241, PSY 243, PSY 246, PSY 249, PSY 259, PSY 281
- REL 110, REL 211, REL 212, REL 221
- RUS 111, RUS 112, RUS 211, RUS 212
- SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244, SOC 245
- SPA 111, SPA 112, SPA 161, SPA 211, SPA 212

TOTAL SEMESTER HOURS CREDIT (SHC) IN PROGRAM65 SHC

The Associate in General Education degree does not meet the standards of the Comprehensive Articulation Agreement with the UNC System, and therefore, is a terminal program and will not transfer to four-year institutions.

Associate in General Education Degree

(A10300)

The Associate in General Education curriculum is designed for the academic enrichment of students who wish to broaden their education, with emphasis on personal interest, growth and development.

Course work includes study in the areas of humanities and fine arts, social and behavioral sciences, natural sciences and mathematics, and English composition. Opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and the basic use of computers will be provided.

Through these skills, students will have a sound base for lifelong learning. Graduates are prepared for advancements within their field of interest and become better qualified for a wide range of employment opportunities.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213)
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Biology (BIO 111, BIO 140, BIO 163, BIO 165)
- Chemistry (CHM 131/CHM 131A, CHM 151)
- Physics (PHY 110/PHY 110A)
- Mathematics (MAT 143, MAT 152, MAT 171)

OTHER REQUIRED HOURS50 SHC

Required Courses (4 SHC)

- CIS 110
- WBL 110

Electives (46 SHC) Choose at least 46 hours from the general education or professional courses listed below (maximum two credits from PED prefix):

- ACA 122
- ACC 120, ACC 121, ACC 129, ACC 130, ACC 140, ACC 149, ACC 150, ACC 215, ACC 220, ACC 221, ACC 225
- AGR 130, AGR 139, AGR 140, AGR 150, AGR 160, AGR 170, AGR 212, AGR 213, AGR 214, AGR 262
- AHR 110, AHR 111, AHR 112, AHR 113, AHR 114, AHR 125, AHR 133, AHR 140, AHR 180, AHR 211, AHR 212, AHR 213, AHR 240, AHR 250, AHR 255

- ALT 120
- ANS 110
- ART 111, ART 114, ART 115, ART 121, ART 122, ART 130, ART 131, ART 135, ART 171, ART 212, ART 213, ART 214, ART 240, ART 241, ART 260, ART 264, ART 265, ART 281, ART 282, ART 283, ART 284, ART 288
- ASL 111, ASL 112, ASL, 211 ASL, 212
- ATR 112
- AUT 114, AUT 116, AUT 116A, AUT 141, AUT 151, AUT 163, AUT 181, AUT 183, AUT 221, AUT 231, AUT 281
- BIO 110, BIO 111, BIO 112, BIO 130, BIO 140, BIO 163, BIO 165, BIO 166, BIO 250, BIO 271, BIO 275
- BPA 120, BPA 130, BPA 150, BPA 165, BPA 210, BPA 220, BPA 230, BPA 230A, BPA 240, BPA 250, BPA 260
- BPR 111
- BUS 110, BUS 115, BUS 121, BUS 135, BUS 137, BUS 139, BUS 147, BUS 152, BUS 153, BUS 217, BUS 220, BUS 234, BUS 240, BUS 280
- CCT 110, CCT 112, CCT 121, CCT 220, CCT 231, CCT 272, CCT 273, CCT, 285, CCT 289
- CET 150, CET 250
- CHI 111, CHI 112, CHI 211, CHI 212
- CHM 131/CHM 131A, CHM 132, CHM 151, CHM 152, CHM 251, CHM 252
- CIS 115
- CJC 111, CJC 112, CJC 113, CJC 121, CJC 131, CJC 132, CJC 141, CJC 151, CJC 212, CJC 213, CJC 214, CJC 215, CJC 221, CJC 222, CJC 223, CJC 231, CJC 232
- COM 110, COM 120, COM 140, COM 231, COM 251
- CSC 151
- CTS 120, CTS 125, CTS 130, CTS 155, CTS 285, CTS 289
- CUL 110, CUL 112, CUL 135, CUL 135A, CUL 140, CUL 150, CUL 160, CUL 170, CUL 240, CUL 245, CUL 260, CUL 270
- DBA 110, DBA 120
- DDT 110, DDT 230, DDT 240
- DFT 151, DFT 152, DFT 154
- DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 131, DRA 140, DRA 141, DRA 142, DRA 145, DRA 170, DRA 171, DRA 211, DRA 212
- ECM 210
- ECO 251, ECO 252
- EDU 118, EDU 119, EDU 131, EDU 144, EDU 145, EDU 146, EDU 151, EDU 153, EDU 154, EDU 157, EDU 158, EDU 161, EDU 163, EDU 184, EDU 188, EDU 216, EDU 221, EDU 222, EDU 223, EDU 234, EDU 235, EDU 243, EDU 244 EDU 245, EDU 247, EDU 248, EDU 250, EDU 251, EDU 253, EDU 259, EDU 261, EDU 262, EDU 271, EDU 275, EDU 280, EDU 284, EDU 285, EDU 289
- EGR 150, EGR 251, EGR 252
- ELC 111, ELC 112, ELC 113, ELC 115, ELC 117, ELC 118, ELC 128, ELC 213, ELC 215, ELC 220, ELC 221
- ELN 131, ELN 132, ELN 133, ELN 231, ELN 275
- ENG 112, ENG 113, ENG 114, ENG 125, ENG 126, ENG 131, ENG 231, ENG 232, ENG 235, ENG 241, ENG 242, ENG 243, ENG 261, ENG 262, ENG 273
- ETR 220, ETR 230, ETR 270
- FRE 111, FRE 112, FRE 161, FRE 211, FRE 212
- GEO 111
- GER 111, GER 112, GER 161, GER 211, GER 212
- GRD 110, GRD 113, GRD 121, GRD 122, GRD 131, GRD 141, GRD 142, GRD 151, GRD 152, GRD 167, GRD 241, GRD 265, GRD 271, GRD 275, GRD 280, GRD 281, GRD 285
- GRO 120, GRO 250
- HBI 110, HBI 113, HBI 250
- HIS 111, HIS 112, HIS 115, HIS 121, HIS 122, HIS 131, HIS 132, HIS 145, HIS 221, HIS 236
- HIT 211, HIT 214
- HRM 220, HRM 225, HRM 245

- HSE 110, HSE 123, HSE 125, HSE 220, HSE 225, HSE 242
- HUM 110, HUM 120, HUM 130, HUM 150, HUM 160, HUM 170, HUM 180, HUM 211, HUM 212, HUM 220
- HYD 110, HYD 121, HYD 210
- ISC 112, ISC 132
- JOU 110, JOU 216, JOU 217
- LEX 110, LEX 120, LEX 130, LEX 140, LEX 141, LEX 150, LEX 210, LEX 211, LEX 220, LEX 240, LEX 250, LEX 280
- MAC 111, MAC 112, MAC 113, MAC 114, MAC 121, MAC 122, MAC 124, MAC 132, MAC 151, MAC 152, MAC 226, MAC 241, MAC 243
- MAT 143, MAT 171, MAT 172, MAT 263, MAT 271, MAT 272, MAT 273, MAT 280, MAT 285
- MEC 130, MEC 142, MEC 145, MEC 151, MEC 180, MEC 260
- MED 118, MED 121, MED 122, MED 130, MED 131
- MKT 120
- MNT 110, MNT 111
- MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 122, MUS 123, MUS 131, MUS 132, MUS 133, MUS 134, MUS 141, MUS 142, MUS 151, MUS 152, MUS 161, MUS 162, MUS 210, MUS 211, MUS 212, MUS 213, MUS 261 MUS 262
- NET 125
- NOS 110, NOS 120, NOS 130, NOS 230
- OST 131, OST 134, OST 136, OST 148, OST 149, OST 164, OST 184, OST 236, OST 241 OST 242, OST 243, OST 247, OST 248, OST 249, OST 250, OST 281, OST 286
- PED 110, PED 113, PED 120, PED 122, PED 125, PED 142, PED 147, PED 163, PED 219, PED 237
- PHI 215, PHI 230, PHI 240
- PHY 110/PHY 110A, PHY 151, PHY 152, PHY 251, PHY 252
- POL 110, POL 120, POL 210, POL 220
- PSY 150, PSY 211, PSY 231, PSY 237, PSY 239, PSY 241, PSY 246, PSY 249, PSY 259, PSY 281
- REL 110, REL 211, REL 212, REL 221
- RUS 111, RUS 112, RUS 211, RUS 212
- SAB 110, SAB 130, SAB 135
- SEC 110
- SGD 111, SGD 112, SGD 113
- SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244, SOC, 245
- SPA 111, SPA 112, SPA 120, SPA 161, SPA 211, SPA 212
- SWK 113
- TRN 110, TRN 120, TRN 140, TRN 145, TRN 180
- WEB 110, WEB 115, WEB 120, WEB 140, WEB 210, WEB 250, WEB 289
- WLD 110, WLD 112, WLD 115, WLD 116, WLD 121, WLD 131, WLD 132, WLD 141, WLD 151, WLD 212, WLD 261

TOTAL SEMESTER HOURS CREDIT (SHC) IN PROGRAM65 SHC

CAREER ORIENTED PROGRAMS

Accounting Degree

(A25100)

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 and 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.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213)
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Mathematics (MAT 143, MAT 152, MAT 171)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (24 Credit Hours)					
ACC 120	Principles of Financial Accounting	3	2	0	4
ACC 121	Principles of Managerial Accounting	3	2	0	4
ACC 129	Individual Income Taxes	2	2	0	3
ACC 220	Intermediate Accounting I	3	2	0	4
BUS 115	Business Law I	3	0	0	3
CIS 110	Introduction to Computers	2	2	0	3
ECO 252	Principles of Macroeconomics	3	0	0	3
OTHER MAJOR HOURS (28 Credit Hours)					
ACC 140	Payroll Accounting	1	2	0	2
ACC 150	Accounting Software Applications	1	2	0	2
ACC 215	Ethics in Accounting	3	0	0	3
ACC 225	Cost Accounting	3	0	0	3

BUS 121	Business Math	2	2	0	3
BUS 137	Principles of Management	3	0	0	3
CTS 130	Spreadsheet	2	2	0	3
Electives (Choose at least 9 Credit Hours)					
ACC 130	Business Income Taxes	2	2	0	3
ACC 149	Introduction to Accounting Spreadsheets	1	2	0	2
ACC 221	Intermediate Accounting II	3	2	0	4
BUS 110	Introduction to Business	3	0	0	3
BUS 135	Principles of Supervision	3	0	0	3
BUS 139	Entrepreneurship I	3	0	0	3
BUS 152	Human Relations	3	0	0	3
BUS 153	Human Resource Management	3	0	0	3
BUS 280	REAL Small Business	4	0	0	4
CTS 125	Presentation Graphics	2	2	0	3
DBA 110	Database Concepts	2	3	0	3
ECO 251	Principles of Microeconomics	3	0	0	3
ETR 230	Entrepreneurship Marketing	3	0	0	3
MKT 120	Principles of Marketing	3	0	0	3
OST 131	Keyboarding	1	2	0	2
WBL 110	World of Work	1	0	0	1
WBL 111	Work-Based Learning I (and)	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1
TOTAL CREDIT HOURS IN DEGREE					67

Accounting Certificate
(C25100)

		Class	Lab	Clinic/Exp	Credit
ACC 120	Principles of Financial Accounting	3	2	0	4
ACC 129	Individual Income Taxes	2	2	0	3
ACC 140	Payroll Accounting	1	2	0	2
ACC 150	Accounting Software Applications	1	2	0	2
BUS 121	Business Math	2	2	0	3
CIS 110	Introduction to Computers	2	2	0	3
TOTAL CREDIT HOURS IN CERTIFICATE					17

Advertising and Graphic Design Degree (A30100)

The Advertising and Graphic Design curriculum is designed to provide students with knowledge and skills necessary for employment in the graphic design profession which emphasizes design, advertising, illustration, and digital and multimedia preparation of printed and electronic promotional materials.

Students will be trained in the development of concept and design for promotional materials such as newspaper and magazine advertisements, posters, folders, letterheads, corporate symbols, brochures, booklets, preparation of art for printing, lettering and typography, photography, and electronic media.

Graduates should qualify for employment opportunities with graphic design studios, advertising agencies, printing companies, department stores, a wide variety of manufacturing industries, newspapers, and businesses with in-house graphics operations.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213)
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Biology (BIO 111, BIO 140, BIO 163, BIO 165)
- Chemistry (CHM 131/CHM 131A, CHM 151)
- Mathematics (MAT 143, MAT 152, MAT 171)
- Physics (PHY 110/PHY 110A)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (29 Credit Hours)					
GRD 110	Typography I	2	2	0	3
GRD 121	Drawing Fundamentals I	1	3	0	2
GRD 131	Illustration I	1	3	0	2
GRD 141	Graphic Design I	2	4	0	4
GRD 142	Graphic Design II	2	4	0	4
GRD 151	Computer Design Basics	1	4	0	3
GRD 152	Computer Design Techniques I	1	4	0	3
GRD 241	Graphic Design III	2	4	0	4
GRD 280	Portfolio Design	2	4	0	4
OTHER MAJOR HOURS (21 Credit Hours)					
BUS 280	REAL Small Business	4	0	0	4
CIS 110	Introduction to Computers	2	2	0	3

GRD 122	Drawing Fundamentals II	1	3	0	2
GRD 285	Client/Media Relations	1	2	0	2
WBL 110	World of Work	1	0	0	1
WEB 140	Web Development Tools	2	2	0	3
WEB 214	Social Media	2	2	0	3
Electives (Choose at least 3 Credit Hours)					
CTS 125	Presentation Graphics	2	2	0	3
GRD 113	History of Graphic Design	3	0	0	3
GRD 167	Photographic Imaging I	1	4	0	3
GRD 265	Digital Print Production	1	4	0	3
GRD 271	Multimedia Design I	1	3	0	2
GRD 272	Multimedia Design II	1	3	0	2
GRD 275	Animation I	1	3	0	2
GRD 281	Design of Advertising	2	0	0	2
MKT 120	Principles of Marketing	3	0	0	3
OST 131	Keyboarding	1	2	0	2
SGD 111	Introduction to SGD	2	3	0	3
WBL 111	Work-Based Learning I (and)	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1
WEB 110	Internet/Web Fundamentals	2	2	0	3
WEB 120	Intro Internet Multimedia	2	2	0	3
WEB 210	Web Design	2	2	0	3
TOTAL CREDIT HOURS IN DEGREE					65

Advertising and Graphic Design Diploma

(D30100)

GENERAL EDUCATION REQUIREMENTS (6 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (21 Credit Hours)					
GRD 110	Typography I	2	2	0	3
GRD 121	Drawing Fundamentals I	1	3	0	2
GRD 131	Illustration I	1	3	0	2
GRD 141	Graphic Design I	2	4	0	4
GRD 142	Graphic Design II	2	4	0	4
GRD 151	Computer Design Basics	1	4	0	3
GRD 152	Computer Design Techniques I	1	4	0	3
OTHER MAJOR HOURS (10 Credit Hours)					
BUS 280	REAL Small Business	4	0	0	4
CIS 110	Introduction to Computers	2	2	0	3
Electives (Choose at least 3 Credit Hours)					
CTS 125	Presentation Graphics	2	2	0	3
GRD 113	History of Graphic Design	3	0	0	3
GRD 122	Drawing Fundamentals II	1	3	0	2
GRD 167	Photographic Imaging I	1	4	0	3
GRD 271	Multimedia Design I	1	3	0	2
GRD 272	Multimedia Design II	1	3	0	2
GRD 275	Animation I	1	3	0	2

GRD 281	Design of Advertising	2	0	0	2
MKT 120	Principles of Marketing	3	0	0	3
OST 131	Keyboarding	1	2	0	2
SGD 111	Introduction to SGD	2	3	0	3
WEB 110	Internet/Web Fundamentals	2	2	0	3
WEB 120	Intro Internet Multimedia	2	2	0	3
WEB 140	Web Development Tools	2	2	0	3
WEB 210	Web Design	2	2	0	3
WEB 214	Social Media	2	2	0	3

TOTAL CREDIT HOURS IN DIPLOMA 37

Advertising and Graphic Design Certificate

(C30100)

		Class	Lab	Clinic/Exp	Credit
CIS 110	Introduction to Computers	2	2	0	3
GRD 121	Drawing Fundamentals I	1	3	0	2
GRD 141	Graphic Design I	2	4	0	4
GRD 151	Computer Design Basics	1	4	0	3
GRD 167	Photographic Imaging I	1	4	0	3
WEB 110	Internet/Web Fundamentals	2	2	0	3

TOTAL CREDIT HOURS IN CERTIFICATE 18

Advertising and Graphic Design - Advertising Layout Certificate

(C30100A)

		Class	Lab	Clinic/Exp	Credit
CIS 110	Introduction to Computers	2	2	0	3
GRD 110	Typography I	2	2	0	3
GRD 113	History of Graphic Design	3	0	0	3
GRD 151	Computer Design Basics	1	4	0	3
GRD 152	Computer Design Techniques I	1	4	0	3
GRD 281	Design of Advertising	2	0	0	2

TOTAL CREDIT HOURS IN CERTIFICATE 17

Advertising and Graphic Design - Creative Design Certificate

(C30100B)

		Class	Lab	Clinic/Exp	Credit
CIS 110	Introduction to Computers	2	2	0	3
GRD 110	Typography I	2	2	0	3
GRD 121	Drawing Fundamentals I	1	3	0	2
GRD 131	Illustration I	1	3	0	2
GRD 141	Graphic Design I	2	4	0	4
GRD 151	Computer Design Basics	1	4	0	3

TOTAL CREDIT HOURS IN CERTIFICATE 17

Advertising and Graphic Design - Web Design Certificate

(C30100C)

		Class	Lab	Clinic/Exp	Credit
GRD 151	Computer Design Basics	1	4	0	3
GRD 271	Multimedia Design I	1	3	0	2
GRD 275	Animation I	1	3	0	2
WEB 110	Internet/Web Fundamentals	2	2	0	3
WEB 140	Web Development Tools	2	2	0	3
WEB 210	Web Design	2	2	0	3

TOTAL CREDIT HOURS IN CERTIFICATE 16

Advertising and Graphic Design - Multimedia Design Certificate

(C30100D)

		Class	Lab	Clinic/Exp	Credit
GRD 151	Computer Design Basics	1	4	0	3
GRD 271	Multimedia Design I	1	3	0	2
GRD 272	Multimedia Design II	1	3	0	2
GRD 275	Animation I	1	3	0	2
WEB 120	Intro Internet Multimedia	2	2	0	3
WEB 140	Web Development Tools	2	2	0	3
WEB 214	Social Media	2	2	0	3

TOTAL CREDIT HOURS IN CERTIFICATE 18

Agribusiness Technology Degree (A15100)

The Agribusiness Systems curriculum are designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community based small farm or agricultural business. The objective is the development of a workforce knowledgeable in sustainable agriculture practices.

Students will learn the fundamentals of agriculture, focusing on crop production and business. Emphasis is placed on entrepreneurial and field training. Students will also learn the basic principles of our economic system and government policies and programs relating to agriculture.

Graduates should qualify for a variety of jobs in agricultural businesses such as equipment, feed, and agricultural supply sales; store management; farm operations, wholesale and retail produce management; nursery operations; and environmental and agricultural education.

The Agribusiness Technology program prepares individuals to manage agricultural businesses and agriculturally related operations within diversified corporations. Potential course work includes instruction in agriculture, agricultural specializations, business management, accounting, finance, marketing, planning, human resources management, and other managerial responsibilities.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213)
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Biology (BIO 111, BIO 140, BIO 163, BIO 165)
- Chemistry (CHM 131/CHM 131A, CHM 151)
- Mathematics (MAT 143, MAT 152, MAT 171)
- Physics (PHY 110/PHY 110A)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (31 Credit Hours)					
AGR 130	Alternative Ag Production	3	0	0	3
AGR 139	Intro to Sustainable Agriculture	3	0	0	3
AGR 140	Agricultural Chemicals	2	2	0	3
AGR 150	Ag-O-Metrics	3	0	0	3
AGR 170	Soil Science	2	2	0	3
AGR 212	Farm Business Management	3	0	0	3
AGR 213	Ag Law & Finance	3	0	0	3
AGR 214	Agricultural Marketing	3	0	0	3
AGR 262	Weed ID & Control	2	3	0	3

ANS 110	Animal Science	3	0	0	3
WBL 111	Work-Based Learning I	0	0	10	1
OTHER MAJOR HOURS (18 Credit Hours)					
ACC 120	Principles of Financial Accounting	3	2	0	4
AGR 160	Plant Science	2	2	0	3
BUS 110	Introduction to Business	3	0	0	3
BUS 280	REAL Small Business	4	0	0	4
CIS 110	Introduction to Computers	2	2	0	3
WBL 115	Work-Based Learning Seminar I	1	0	0	1
TOTAL CREDIT HOURS IN DEGREE					64

Air Conditioning, Heating, and Refrigeration Technology Degree (A35100)

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. In addition, the AAS degree covers residential building codes, residential system sizing, and advanced comfort systems.

Diploma graduates should be able to assist in the start up, preventive maintenance, service, repair, and/or installation of residential and light commercial systems. AAS degree graduates should be able to demonstrate an understanding of system selection and balance and advanced systems.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213))
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Mathematics (MAT 143, MAT 152, MAT 171)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (32 Credit Hours)					
AHR 110	Introduction to Refrigeration	2	6	0	5
AHR 111	HVACR Electricity	2	2	0	3
AHR 112	Heating Technology	2	4	0	4

AHR 113	Comfort Cooling	2	4	0	4
AHR 114	Heat Pump Technology	2	4	0	4
AHR 125	HVACR Electronics	2	2	0	3
AHR 211	Residential System Design	2	2	0	3
AHR 212	Advanced Comfort Systems	2	6	0	4
AHR 213	HVACR Building Code	1	2	0	2
OTHER MAJOR HOURS (21 Credit Hours)					
AHR 115	Refrigeration Systems	1	3	0	2
AHR 140	All Weather Systems	1	3	0	2
AHR 180	HVACR Customer Relations	1	0	0	1
AHR 240	Hydronic Heating	1	3	0	2
AHR 255	Indoor Air Quality	1	2	0	2
CIS 110	Introduction to Computers	2	2	0	3
Electives (Choose 9 Credit Hours)					
AHR 133	HVAC Servicing	2	6	0	4
AHR 250	HVAC System Diagnostics	0	4	0	2
BPR 111	Print Reading	1	2	0	2
BUS 280	REAL Small Business	4	0	0	4
ELC 112	DC/AC Electricity	3	6	0	5
HYD 110	Hydraulics/Pneumatics I	2	3	0	3
ISC 112	Industrial Safety	2	0	0	2
WBL 110	World of Work	1	0	0	1
WBL 111	Work-Based Learning I (and)	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1
WBL 121	Work-Based Learning II	0	0	10	1
TOTAL CREDIT HOURS IN DEGREE					68

Air Conditioning, Heating, and Refrigeration Technology Diploma (D35100)

GENERAL EDUCATION REQUIREMENTS (3 Credit Hours)

Communications (3 SHC)

- English Composition (ENG 111)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Mathematics (MAT 143, MAT 152, MAT 171)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (23 Credit Hours)					
AHR 110	Introduction to Refrigeration	2	6	0	5
AHR 111	HVACR Electricity	2	2	0	3
AHR 112	Heating Technology	2	4	0	4
AHR 113	Comfort Cooling	2	4	0	4
AHR 114	Heat Pump Technology	2	4	0	4
AHR 125	HVACR Electronics	2	2	0	3
OTHER MAJOR HOURS (11 Credit Hours)					
AHR 140	All Weather Systems	1	3	0	2
CIS 110	Introduction to Computers	2	2	0	3
Electives (Choose 6 Credit Hours)					
AHR 133	HVAC Servicing	2	6	0	4
AHR 180	HVACR Customer Relations	1	0	0	1
AHR 211	Residential System Design	2	2	0	3

AHR 212	Advanced Comfort Systems	2	6	0	4
AHR 213	HVACR Building Code	1	2	0	2
AHR 240	Hydronic Heating	1	3	0	2
AHR 250	HVAC System Diagnostics	0	4	0	2
WBL 110	World of Work	1	0	0	1
WBL 111	Work-Based Learning I (and)	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1
WBL 121	Work-Based Learning II	0	0	10	1
TOTAL CREDIT HOURS IN DIPLOMA					40

**Air Conditioning, Heating, and Refrigeration Technology
Heating Fundamentals Certificate
(C35100B)**

		Class	Lab	Clinic/Exp	Credit
AHR 110	Introduction to Refrigeration	2	6	0	5
AHR 111	HVACR Electricity	2	2	0	3
AHR 112	Heating Technology	2	4	0	4
AHR 113	Comfort Cooling	2	4	0	4
AHR 180	HVACR Customer Relations	1	0	0	1
TOTAL CREDIT HOURS IN CERTIFICATE					17

**Air Conditioning, Heating, and Refrigeration Technology
Heat Pump Fundamentals Certificate
(C35100C)**

		Class	Lab	Clinic/Exp	Credit
AHR 110	Introduction to Refrigeration	2	6	0	5
AHR 111	HVACR Electricity	2	2	0	3
AHR 114	Heat Pump Technology	2	4	0	4
AHR 125	HVACR Electronics	2	2	0	3
AHR 180	HVACR Customer Relations	1	0	0	1
ISC 112	Industrial Safety	2	0	0	2
TOTAL CREDIT HOURS IN CERTIFICATE					18

**Air Conditioning, Heating, and Refrigeration Technology
Refrigeration Certificate
(C35100D)**

		Class	Lab	Clinic/Exp	Credit
AHR 110	Introduction to Refrigeration	2	6	0	5
AHR 111	HVACR Electricity	2	2	0	3
AHR 113	Comfort Cooling	2	4	0	4
AHR 114	Heat Pump Technology	2	4	0	4
AHR 115	Refrigeration Systems	1	3	0	2
TOTAL CREDIT HOURS IN CERTIFICATE					18

Associate Degree Nursing Degree (A45110)

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 health care, 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 this 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 SPCC Associate Degree Nursing Program is approved by the North Carolina Board of Nursing. Contact the Board at P. O. Box 2129, Raleigh, NC 27602-2129, or 4516 Lake Boone Trail, Raleigh, NC 27607, or call 919-782-3211 for questions about the approval.

GENERAL EDUCATION REQUIREMENTS (16 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- English Composition (Choose one course: ENG 112, ENG 114)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114)
- Music (MUS 110, MUS 112))
- Philosophy (PHI 215, PHI 240)

Social/Behavioral Sciences (3 SHC)

- Psychology (PSY 150)

Natural Sciences/Mathematics (4 SHC)

- Biology (BIO 165)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (43 Credit Hours)					
NUR 111	Introduction to Health Concepts	4	6	6	8
NUR 112	Health Illness Concepts	3	0	6	5
NUR 113	Family Health Concepts	3	0	6	5
NUR 114	Holistic Health Concepts	3	0	6	5
NUR 211	Health Care Concepts	3	0	6	5
NUR 212	Health System Concepts	3	0	6	5
NUR 213	Complex Health Concepts	4	3	15	10
OTHER MAJOR HOURS (16 Credit Hours)					
BIO 166	Anatomy & Physiology II	3	3	0	4
BIO 275	Microbiology	3	3	0	4
CIS 110	Introduction to Computers	2	2	0	3
PSY 241	Developmental Psychology	3	0	0	3

TOTAL CREDIT HOURS IN DEGREE 73

Automotive Systems Technology Degree (A60160)

Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field.

Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/trans axles, and sustainable transportation, depending on the program major area chosen.

Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

The Automotive Systems Technology curriculum prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. The program includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air condition systems.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213))
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Mathematics (MAT 143, MAT 171)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (20 Credit Hours)					
TRN 110	Intro to Transport Tech	1	2	0	2
TRN 140	Transp Climate Control	1	2	0	2
TRN 180	Basic Welding for Trans	1	4	0	3
AUT 141	Suspension and Steering Sys	2	3	0	3
AUT 151	Brake Systems	2	3	0	3
AUT 181	Engine Performance 1	2	3	0	3
AUT 183	Engine Performance 2	2	6	0	4
OTHER MAJOR HOURS (29 Credit Hours)					
AUT 114	Safety and Emissions	1	2	0	2
AUT 116	Engine Repair	2	3	0	2
AUT 116A	Engine Repair Lab	0	3	0	1

AUT 163	Adv Auto Electricity	2	3	0	3
AUT 221	Auto Transm/Transaxles	2	3	0	2
AUT 231	Man Trans/Axles/Drtrains	2	3	0	3
AUT 281	Adv Engine Performance	2	2	0	3
CIS 110	Introduction to Computers	2	2	0	3
TRN 120	Basic Transp Electricity	4	3	0	5
TRN 145	Adv Transp Electronics	2	3	0	3

TOTAL CREDIT HOURS IN DEGREE64

Baking and Pastry Arts Degree

(A55130)

Implementation Pending

The Baking and Pastry Arts curriculum is designed to provide students with the skills and knowledge required for employment in the baking/pastry industry, including restaurants, hotels, independent bakeries/pastry shops, wholesale/retail markets, and high-volume bakeries, and/or further academic studies.

Students will be provided theoretical knowledge/practical applications that provide critical competencies to meet industry demands, including environmental stewardship, operational efficiencies and professionalism. Course work includes specialty/artisanal breads, desserts/pastries, decorative work, high-volume production and food marketing.

Graduates should qualify for entry-level positions, such as pastry/bakery assistant, area pastry chef and assistant pastry chef. American Culinary Federation certification may be available to graduates.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213))
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Biology (BIO 111, BIO 140, BIO 163, BIO 165)
- Chemistry (CHM 131/CHM 131A, CHM 151)
- Mathematics (MAT 143, MAT 152, MAT 171)
- Physics (PHY 110/PHY 110A)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (25 Credit Hours)					
BPA 150	Artisan & Specialty Bread	1	6	0	4
BPA 210	Cake Design & Decorating	1	4	0	3
BPA 250	Dessert/Bread Production	1	8	0	5
BPA 260	Pastry & Baking Marketing	2	2	0	3
CUL 110	Sanitation & Safety	2	0	0	2
CUL 160	Baking I	1	4	0	3
HRM 245	Human Resource Mgmt - Hosp	3	0	0	3
Work-Based Learning (Choose 1 group - 2 SHC)					
WBL 111	Work-Based Learning I <i>and</i>	0	0	10	1
WBL 121	Work-Based Learning II <i>or</i>	0	0	10	1
WBL 112	Work-Based Learning I	0	0	10	2
OTHER MAJOR HOURS (29 Credit Hours)					
BPA 120	Petit Fours & Pastries	1	4	0	3
BPA 130	European Cakes and Tortes	1	4	0	3
BPA 165	Hot and Cold Desserts	1	4	0	3
BPA 220	Confection Artistry	1	6	0	4
BPA 230	Chocolate Artistry	1	4	0	3
BPA 230A	Chocolate Artistry Lab	0	2	0	1
BPA 240	Plated Desserts	1	4	0	3
CIS 110	Introduction to Computers	2	2	0	3
CUL 112	Nutrition for Foodservice	3	0	0	3
CUL 170	Garde Manger I	1	4	0	3
TOTAL CREDIT HOURS IN DEGREE					69

Basic Law Enforcement Training Certificate

(C55120)

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. General subjects include, but are not limited to, criminal, juvenile, civil, traffic, and alcohol beverage laws; investigative, patrol, custody, and court procedures; emergency responses; and ethics and community relations.

Students must successfully complete and pass all units of study mandated by the North Carolina Criminal Justice Education and Training Standards Commission and the North Carolina Sheriffs' Education and Training Standards Commission to receive a certificate.

		Class	Lab	Clinic/Exp	Credit
CJC 100	Basic Law Enforcement Training	9	30	0	19

TOTAL CREDIT HOURS IN CERTIFICATE 19

BLET and Criminal Justice Technology

Students successfully completing a BLET training course accredited by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Standards Commission will receive credit for CJC 131, CJC 132, CJC 221, and CJC 231. Students must successfully complete the training course AND the state certification examination to receive credit for these courses. Students must have completed BLET training since 1985. SPCC only ensures acceptance of these transfer credits to its Associate in Applied Science - Criminal Justice Technology degree, diploma, and certificate programs. These transfer credits may or may not be accepted by a four-year institution to which a student intends to transfer.

Biotechnology Degree

(A20100)

The Biotechnology curriculum, which has emerged from molecular biology and chemical engineering, is designed to meet the increasing demands for skilled laboratory technicians in various fields of biological and chemical technology.

Course work emphasizes biology, chemistry, mathematics, and technical communications. The curriculum objectives are designed to prepare graduates to serve in three distinct capacities: research assistant to a biologist or chemist; laboratory technician/instrumentation technician, and quality control/quality assurance technician.

Graduates may find employment in various areas of industry and government, including research and development, manufacturing, sales, and customer service.

Collaborative Program Offered in Cooperation with Gaston College

In this Instructional Service Agreement, South Piedmont Community College will provide 42 credit hours of the Gaston College Biotechnology curriculum. Students must take a minimum of 16 credit hours within the program through Gaston College. Students who successfully complete all requirements of the Biotechnology program will be awarded an Associate in Applied Science degree by Gaston College.

Business Administration Degree

(A25120)

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.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213))
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Mathematics (MAT 143, MAT 152, MAT 171))

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (34 Credit Hours)					
ACC 120	Principles of Financial Accounting	3	2	0	4
BUS 110	Introduction to Business	3	0	0	3
BUS 115	Business Law I	3	0	0	3
BUS 137	Principles of Management	3	0	0	3
CIS 110	Introduction to Computers	2	2	0	3
ECO 252	Principles of Macroeconomics	3	0	0	3
MKT 120	Principles of Marketing	3	0	0	3
Core Subject - General Business Administration					
BUS 121	Business Math	2	2	0	3
BUS 139	Entrepreneurship I	3	0	0	3
BUS 153	Human Resource Management	3	0	0	3
BUS 240	Business Ethics	3	0	0	3

OTHER MAJOR HOURS (16 Credit Hours)**Business or Entrepreneurship Elective (Choose 1 group)****Business Elective**

ACC 121	Principles of Managerial Accounting	3	2	0	4
ECM 210	Introduction to Electronic Commerce	2	2	0	3
ECO 251	Principles of Microeconomics	3	0	0	3

Entrepreneurship

BUS 280	REAL Small Business	4	0	0	4
ETR 220	Innovation and Creativity	3	0	0	3
ETR 270	Entrepreneurship Issues	3	0	0	3

Electives (Choose at least 6 Credit Hours)

ACC 121	Principles of Managerial Accounting	3	2	0	4
ACC 130	Business Income Taxes	2	2	0	3
ACC 140	Payroll Accounting	1	2	0	2
ACC 150	Accounting Software Applications	1	2	0	2
BUS 135	Principles of Supervision	3	0	0	3
BUS 152	Human Relations	3	0	0	3
BUS 217	Employment Law & Regulations	3	0	0	3
BUS 220	Purchasing	3	0	0	3
BUS 234	Training and Development	3	0	0	3
BUS 280	REAL Small Business	4	0	0	4
CTS 130	Spreadsheet	2	2	0	3
DBA 110	Database Concepts	2	2	0	3
ECO 251	Principles of Microeconomics	3	0	0	3
ETR 220	Innovation and Creativity	3	0	0	3
ETR 230	Entrepreneur Marketing	3	0	0	3
ETR 270	Entrepreneurship Issues	3	0	0	3
OST 131	Keyboarding	1	2	0	2
SPA 120	Spanish for the Workplace	3	0	0	3
WBL 110	World of Work	1	0	0	1
WBL 111	Work-Based Learning I	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1

TOTAL CREDIT HOURS IN DEGREE65

Business Administration Degree Entrepreneurship Pathway (A25120E)

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)**Communications (6 SHC)**

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213))
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Geography (GEO 111)

- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Mathematics (MAT 143, MAT 152, MAT 171))

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (34 Credit Hours)					
ACC 120	Principles of Financial Accounting	3	2	0	4
BUS 110	Introduction to Business	3	0	0	3
BUS 115	Business Law I	3	0	0	3
BUS 137	Principles of Management	3	0	0	3
CIS 110	Introduction to Computers	2	2	0	3
ECO 252	Principles of Macroeconomics	3	0	0	3
MKT 120	Principles of Marketing	3	0	0	3
Core Subject - General Business Administration					
BUS 121	Business Math	2	2	0	3
BUS 139	Entrepreneurship I	3	0	0	3
BUS 153	Human Resource Management	3	0	0	3
BUS 240	Business Ethics	3	0	0	3
OTHER MAJOR HOURS (16 Credit Hours)					
BUS 280	REAL Small Business	4	0	0	4
ETR 220	Innovation and Creativity	3	0	0	3
ETR 270	Entrepreneurship Issues	3	0	0	3
Electives (Choose at least 6 Credit Hours)					
ACC 121	Principles of Managerial Accounting	3	2	0	4
ACC 130	Business Income Taxes	2	2	0	3
ACC 140	Payroll Accounting	1	2	0	2
ACC 150	Accounting Software Applications	1	2	0	2
BUS 135	Principles of Supervision	3	0	0	3
BUS 152	Human Relations	3	0	0	3
BUS 217	Employment Law & Regulations	3	0	0	3
BUS 220	Purchasing	3	0	0	3
BUS 234	Training and Development	3	0	0	3
CTS 130	Spreadsheet	2	2	0	3
DBA 110	Database Concepts	2	2	0	3
ECO 251	Principles of Microeconomics	3	0	0	3
ETR 230	Entrepreneur Marketing	3	0	0	3
OST 131	Keyboarding	1	2	0	2
SPA 120	Spanish for the Workplace	3	0	0	3
WBL 110	World of Work	1	0	0	1
WBL 111	Work-Based Learning I	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1
TOTAL CREDIT HOURS IN DEGREE					65

Business Administration Diploma

(D25120)

GENERAL EDUCATION REQUIREMENTS (6 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (28 Credit Hours)					
ACC 120	Principles of Financial Accounting	3	2	0	4
BUS 110	Introduction to Business	3	0	0	3
BUS 115	Business Law I	3	0	0	3
BUS 137	Principles of Management	3	0	0	3
CIS 110	Introduction to Computers	2	2	0	3
ECO 252	Principles of Macroeconomics	3	0	0	3
MKT 120	Principles of Marketing	3	0	0	3
Core Subject - General Business Administration					
BUS 121	Business Math	2	2	0	3
BUS 139	Entrepreneurship I	3	0	0	3
OTHER MAJOR HOURS (3 Credit Hours)					
Electives (Choose at least 3 Credit Hours)					
ACC 130	Business Income Taxes	2	2	0	3
ACC 140	Payroll Accounting	1	2	0	2
ACC 150	Accounting Software Applications	1	2	0	2
BUS 135	Principles of Supervision	3	0	0	3
BUS 217	Employment Law & Regulations	3	0	0	3
BUS 220	Purchasing	3	0	0	3
BUS 234	Training and Development	3	0	0	3
BUS 280	REAL Small Business	4	0	0	4
CTS 130	Spreadsheet	2	2	0	3
DBA 110	Database Concepts	2	2	0	3
ETR 220	Innovation and Creativity	3	0	0	3
ETR 230	Entrepreneur Marketing	3	0	0	3
ETR 270	Entrepreneurship Issues	3	0	0	3
OST 131	Keyboarding	1	2	0	2
SPA 120	Spanish for the Workplace	3	0	0	3
WBL 110	World of Work	1	0	0	1
WBL 111	Work-Based Learning I	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1
TOTAL CREDIT HOURS IN DIPLOMA					37

Business Administration Certificate

(C25120)

		Class	Lab	Clinic/Exp	Credit
BUS 115	Business Law I	3	0	0	3
BUS 121	Business Math	2	2	0	3
BUS 137	Principles of Management	3	0	0	3
BUS 153	Human Resource Management	3	0	0	3
CIS 110	Introduction to Computers	2	2	0	3
MKT 120	Principles of Marketing	3	0	0	3
TOTAL CREDIT HOURS IN CERTIFICATE					18

Business Administration - Small Business Management Certificate
(C25120A)

		Class	Lab	Clinic/Exp	Credit
ACC 120	Principles of Financial Accounting	3	2	0	4
BUS 110	Introduction to Business	3	0	0	3
BUS 135	Principles of Supervision	3	0	0	3
BUS 234	Training and Development	3	0	0	3
BUS 280	REAL Small Business	4	0	0	4

TOTAL CREDIT HOURS IN CERTIFICATE 17

Business Administration - Entrepreneurship Certificate
(C25120E)

		Class	Lab	Clinic/Exp	Credit
BUS 139	Entrepreneurship I	3	0	0	3
BUS 280	REAL Small Business	4	0	0	4
ETR 220	Innovation and Creativity	3	0	0	3
ETR 230	Entrepreneur Marketing	3	0	0	3
ETR 270	Entrepreneurship Issues	3	0	0	3

TOTAL CREDIT HOURS IN CERTIFICATE 16

Cardiovascular Sonography Degree
(A45160)

The Cardiovascular Sonography curriculum provides the individual with the knowledge and skills necessary to acquire, process, and evaluate the human heart and vascular structures. A cardiovascular sonographer uses high frequency sound waves to produce images of the heart and vascular structures.

Course work includes effective communication and patient care skills combined with a knowledge of physics, human anatomy, physiology, and pathology, all of which are essential to obtaining high quality sonographic images.

Graduates may be eligible to apply to the American Registry of Diagnostic Medical Sonographers for examination in physics, cardiovascular physics, vascular physics, and adult echocardiography. Graduates may find employment in hospitals, physicians' offices, mobile services, and educational institutions.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213))
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Psychology (PSY 150)
- Sociology (SOC 210)

Natural Sciences/Mathematics (3 SHC)

- Biology (BIO 271)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (53 Credit Hours)					
BIO 163	Basic Anatomy & Physiology	4	2	0	5
CVS 160	CVS Clinical Ed I	0	4	9	5
CVS 161	CVS Clinical Ed II	0	0	24	8
CVS 162	CVS Clinical Ed III	0	0	15	5
CVS 163	Echo I	3	2	0	4
CVS 164	Echo II	3	2	0	4
CVS 260	CVS Clinical Ed IV	0	0	24	8
CVS 261	CVS Clinical Ed V	0	0	24	8
SON 111	Sonographic Physics	3	3	0	4
SON 250	Vascular Sonography	1	3	0	2
OTHER MAJOR HOURS (8 Credit Hours)					
CVS 165	Intro to Cardiovascular Sonography	1	3	0	2
CVS 277	Cardiovascular Topics	2	0	0	2
SON 273	Advanced Vascular Sonography	2	2	0	3
SON 276	Fetal Echocardiology	1	0	0	1
TOTAL CREDIT HOURS IN DEGREE					76

Cardiovascular Sonography Cardiac Diploma (D45160)

GENERAL EDUCATION REQUIREMENTS (6 Credit Hours)**Communications (3 SHC)**

- English Composition (ENG 111)

Natural Sciences/Mathematics (3 SHC)

- Biology (BIO 271)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (30 Credit Hours)					
BIO 163	Basic Anatomy & Physiology	4	2	0	5
CVS 160	CVS Clinical Ed I	0	4	9	5
CVS 161	CVS Clinical Ed II	0	0	24	8
CVS 163	Echo I	3	2	0	4
CVS 164	Echo II	3	2	0	4
SON 111	Sonographic Physics	3	3	0	4
OTHER MAJOR HOURS (5 Credit Hours)					
CVS 165	Intro to Cardiovascular Sonography	1	3	0	2
CVS 277	Cardiovascular Topics	2	0	0	2
SON 276	Fetal Echocardiology	1	0	0	1
TOTAL CREDIT HOURS IN DIPLOMA					41

Cardiovascular Sonography - Cardiac Certificate
(C45160C)

		Class	Lab	Clinic/Exp	Credit
CVS 163	Echo I	3	2	0	4
CVS 164	Echo II	3	2	0	4
CVS 165	Intro to Cardiovascular Sonography	1	3	0	2
CVS 277	Cardiovascular Topics	2	0	0	2
SON 111	Sonographic Physics	3	3	0	4
SON 276	Fetal Echocardiology	1	0	0	1

TOTAL CREDIT HOURS IN CERTIFICATE 17

Cardiovascular Sonography - Vascular Certificate
(C45160V)

		Class	Lab	Clinic/Exp	Credit
CVS 160	CVS Clinical Ed I	0	4	9	5
CVS 277	Cardiovascular Topics	2	0	0	2
SON 111	Sonographic Physics	3	3	0	4
SON 250	Vascular Sonography	1	3	0	2
SON 273	Advanced Vascular Sonography	2	2	0	3

TOTAL CREDIT HOURS IN CERTIFICATE 16

Computer Information Technology Degree
(A25260)

The Computer Information Technology curriculum is designed to prepare graduates for employment with organizations that use computers to process, manage, and communicate information. This is a flexible curriculum that can be customized to meet community information systems needs.

Course work will develop a student’s ability to communicate complex technical issues related to computer hardware, software, and networks in a manner that computer users can understand. Classes cover computer operations and terminology, operating systems, database, networking, security, and technical support.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to manage information. Graduates should be prepared to sit for industry-recognized certification exams.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213))

- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Mathematics (MAT 143, MAT 152, MAT 171))

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (36 Credit Hours)					
BUS 110	Introduction to Business	3	0	0	3
CIS 110	Introduction to Computers	2	2	0	3
CIS 115	Introduction to Programming and Logic	2	3	0	3
CTS 120	Hardware/Software Support	2	3	0	3
CTS 285	Systems Analysis and Design	3	0	0	3
CTS 289	Systems Support Project	1	4	0	3
DBA 110	Database Concepts	2	3	0	3
NET 125	Networking Basics	1	4	0	3
NOS 110	Operating System Concepts	2	3	0	3
NOS 130	Windows Single User	2	2	0	3
NOS 230	Windows Administration I	2	2	0	3
SEC 110	Security Concepts	2	2	0	3
OTHER MAJOR HOURS (15 Credit Hours)					
DBA 120	Database Programming I	2	2	0	3
NOS 120	Linux/UNIX Single User	2	2	0	3
Electives (Choose at least 9 Credit Hours)					
BUS 280	REAL Small Business	4	0	0	4
CCT 272	Forensic Password Recovery	1	4	0	3
CCT 273	Registry Forensics	1	4	0	3
CET 150	Computer Forensics I	2	3	0	3
CET 250	Computer Forensics II	2	3	0	3
CSC 151	JAVA Programming	2	3	0	3
CTS 125	Presentation Graphics	2	2	0	3
CTS 130	Spreadsheet	2	2	0	3
CTS 155	Tech Support Functions	2	2	0	3
DME 110	Introduction to Digital Media	2	2	0	3
DME 130	Digital Animation I	2	2	0	3
GRD 151	Computer Design Basics	1	4	0	3
GRD 271	Multimedia Design I	1	3	0	2
HBI 110	Issues and Trends in HBI	3	0	0	3
HBI 113	Survey of Med Insurance	3	0	0	3
HBI 250	Data Mgmt and Utilization	2	2	0	3
OST 131	Keyboarding	1	2	0	2
OST 136	Word Processing	2	2	0	3
OST 236	Advanced Word/Information Processing	2	2	0	3
SGD 111	Introduction to SGD	2	3	0	3
SGD 112	SGD Design	2	3	0	3
SGD 113	SGD Programming	2	3	0	3

WBL 110	World of Work	1	0	0	1
WBL 111	Work-Based Learning I (and)	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1
WEB 110	Internet/Web Fundamentals	2	2	0	3
WEB 120	Intro Internet Multimedia	2	2	0	3
WEB 140	Web Development Tools	2	2	0	3
WEB 210	Web Design	2	2	0	3
WEB 214	Social Media	2	2	0	3
TOTAL CREDIT HOURS IN DEGREE					66

**Computer Information Technology
Operating Systems Certificate
(C25260C)**

		Class	Lab	Clinic/Exp	Credit
CIS 110	Introduction to Computers	2	2	0	3
CTS 120	Hardware/Software Support	2	3	0	3
NOS 110	Operating System Concepts	2	3	0	3
NOS 120	Linux/UNIX Single User	2	2	0	3
NOS 130	Windows Single User	2	2	0	3
NOS 230	Windows Administration I	2	2	0	3
TOTAL CREDIT HOURS IN CERTIFICATE					18

**Computer Information Technology
Microsoft Office Certificate
(C25260F)**

		Class	Lab	Clinic/Exp	Credit
CIS 110	Introduction to Computers	2	2	0	3
CTS 125	Presentation Graphics	2	2	0	3
CTS 130	Spreadsheet	2	2	0	3
DBA 110	Database Concepts	2	3	0	3
OST 136	Word Processing	2	2	0	3
OST 236	Advanced Word/Information Processing	2	2	0	3
TOTAL CREDIT HOURS IN CERTIFICATE					18

**Computer Information Technology
Game Development Certificate
(C25260G)**

		Class	Lab	Clinic/Exp	Credit
CSC 151	JAVA Programming	2	3	0	3
SGD 111	Introduction to SGD	2	3	0	3
SGD 112	SGD Design	2	3	0	3
SGD 113	SGD Programming	2	3	0	3
WEB 110	Internet/Web Fundamentals	2	2	0	3
WEB 140	Web Development Tools	2	2	0	3
TOTAL CREDIT HOURS IN CERTIFICATE					18

**Computer Information Technology
Mobile Apps Foundation Certificate**
(C25260H)

		Class	Lab	Clinic/Exp	Credit
CIS 115	Introduction to Programming and Logic	2	3	0	3
CSC 151	JAVA Programming	2	3	0	3
SEC 110	Security Concepts	2	2	0	3
WEB 110	Internet/Web Fundamentals	2	2	0	3
WEB 120	Intro Internet Multimedia	2	2	0	3
WEB 214	Social Media	2	2	0	3
TOTAL CREDIT HOURS IN CERTIFICATE					18

**Computer Information Technology
Computer Support Certificate**
(C25260J)

		Class	Lab	Clinic/Exp	Credit
CIS 110	Introduction to Computers	2	2	0	3
CTS 120	Hardware/Software Support	2	3	0	3
CTS 155	Tech Support Functions	2	2	0	3
NET 125	Networking Basics	1	4	0	3
NOS 110	Operating System Concepts	2	3	0	3
SEC 110	Security Concepts	2	2	0	3
TOTAL CREDIT HOURS IN CERTIFICATE					18

**Computer Information Technology
Cyber Forensics Certificate**
(C25260K)

		Class	Lab	Clinic/Exp	Credit
CET 150	Computer Forensics I	2	3	0	3
CET 250	Computer Forensics II	2	3	0	3
CIS 115	Introduction to Programming and Logic	2	3	0	3
NOS 110	Operating System Concepts	2	3	0	3
NOS 120	Linux/UNIX Single User	2	2	0	3
SEC 110	Security Concepts	2	2	0	3
TOTAL CREDIT HOURS IN CERTIFICATE					18

Computer Technology Integration Degree Mobile Apps Development (A25500)

The Computer Technology Integration 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. This program will incorporate the competencies of industry-recognized certification exams..

Collaborative Program Offered in Cooperation with Central Piedmont Community College

In this Instructional Service Agreement, Central Piedmont Community College will provide the courses labeled (CPCC) in the Computer Technology Integration with an emphasis in Mobile Apps Development curriculum. South Piedmont Community College will provide all other courses within the program. Students who successfully complete all requirements of the Computer Technology Integration with an emphasis in Mobile Apps Development program will be awarded an Associate in Applied Science degree by Central Piedmont Community College.

GENERAL EDUCATION REQUIREMENTS (18 Credit Hours)

Communications (9 SHC)

- English (ENG 111, ENG 113)
- Communication (Choose one course: COM 110, COM 120)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150)
- Music (MUS 110)
- Philosophy (PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 131, HIS 132)
- Political Science (POL 120)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Mathematics (MAT 140, MAT 151, MAT 171/MAT 171A)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (15 Credit Hours)					
CTI 110	Web, Program & DB Foundation (CPCC)	2	2	0	3
CTI 120	Network & Security Foundation (CPCC)	3	0	0	3
CTI 130	OS & Device Foundation (CPCC)	4	4	0	6
CTS 115	Info Sys Business Concepts (CPCC)	3	0	0	3
OTHER MAJOR HOURS (34 Credit Hours)					
SGD 168	Mobile SG Programming I (CPCC)	2	3	0	3
WEB 110	Internet/Web Fundamentals	2	2	0	3
WEB 120	Intro Internet Multimedia	2	2	0	3
WEB 125	Mobile Web Design (CPCC)	2	2	0	3

WEB 141	Mobile Interface Design (CPCC)	2	2	0	3
WEB 151	Mobile Application Development I (CPCC)	2	2	0	3
WEB 187	Prog for Mobile Devices (CPCC)	2	2	0	3
WEB 214	Social Media	2	2	0	3
WEB 251	Mobile Application Development II (CPCC)	2	2	0	3

Electives at SPCC (Choose at least 7 Credit Hours)

CIS 110	Introduction to Computers	2	2	0	3
CIS 115	Intro to Prog & Logic	2	3	0	3
CSC 151	JAVA Programming	2	3	0	3
CTS 120	Hardware/Software Support	2	3	0	3
CTS 125	Presentation Graphics	2	2	0	3
CTS 285	Systems Analysis and Design	3	0	0	3
DBA 110	Database Concepts	2	3	0	3
NET 125	Networking Basics	1	4	0	3
NET 126	Routing Basics	1	4	0	3
NET 225	Routing & Switching I	1	4	0	3
NET 226	Routing & Switching II	1	4	0	3
NOS 110	Operating System Concepts	2	3	0	3
NOS 120	Linux/UNIX Single User	2	2	0	3
NOS 130	Windows Single User	2	2	0	3
NOS 230	Windows Administration I	2	2	0	3
SEC 110	Security Concepts	3	0	0	3
WEB 140	Web Development Tools	2	2	0	3
WEB 210	Web Design	2	2	0	3

TOTAL CREDIT HOURS IN DEGREE 67

Criminal Justice Technology Degree

(A55180)

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, counseling, 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, and loss prevention specialist.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213))
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Mathematics (MAT 140, MAT 143, MAT 151, MAT 152, MAT 171)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (22 Credit Hours)					
CJC 111	Introduction to Criminal Justice	3	0	0	3
CJC 112	Criminology	3	0	0	3
CJC 113	Juvenile Justice	3	0	0	3
CJC 131	Criminal Law	3	0	0	3
CJC 212	Ethics & Community Relations	3	0	0	3
CJC 221	Investigative Principles	3	2	0	4
CJC 231	Constitutional Law	3	0	0	3
OTHER MAJOR HOURS (27 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
CJC 121	Law Enforcement Operations	3	0	0	3
CJC 132	Court Procedure & Evidence	3	0	0	3
CJC 141	Corrections	3	0	0	3
CJC 214	Victimology	3	0	0	3
CJC 215	Organization & Administration	3	0	0	3
CJC 223	Organized Crime	3	0	0	3
Electives (Choose at least 6 Credit Hours)					
BIO 111	General Biology I	3	3	0	4
CET 150	Computer Forensics I	2	3	0	3
CET 250	Computer Forensics II	2	3	0	3
CJC 151	Introduction to Loss Prevention	3	0	0	3
CJC 213	Substance Abuse	3	0	0	3
CJC 222	Criminalistics	3	0	0	3
CJC 232	Civil Liability	3	0	0	3
CJC 233	Correctional Law	3	0	0	3
CJC 241	Community-Based Corrections	3	0	0	3
PSY 231	Forensic Psychology	3	0	0	3
WBL 110	World of Work	1	0	0	1
WBL 111	Work-Based Learning I (and)	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1
TOTAL CREDIT HOURS IN DEGREE					64

Criminal Justice Technology Diploma
(D55180)

GENERAL EDUCATION REQUIREMENTS (6 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (15 Credit Hours)					
CJC 111	Introduction to Criminal Justice	3	0	0	3
CJC 112	Criminology	3	0	0	3
CJC 113	Juvenile Justice	3	0	0	3
CJC 212	Ethics & Community Relations	3	0	0	3
CJC 231	Constitutional Law	3	0	0	3
OTHER MAJOR HOURS (15 Credit Hours)					
CJC 121	Law Enforcement Operations	3	0	0	3
CJC 141	Corrections	3	0	0	3
CJC 215	Organization & Administration	3	0	0	3
CJC 214	Victimology	3	0	0	3
CJC 223	Organized Crime	3	0	0	3
TOTAL CREDIT HOURS IN DIPLOMA					36

Criminal Justice Technology Certificate (C55180)

		Class	Lab	Clinic/Exp	Credit
CJC 111	Introduction to Criminal Justice	3	0	0	3
CJC 112	Criminology	3	0	0	3
CJC 215	Organization & Administration	3	0	0	3
CJC 221	Investigative Principles	3	2	0	4
CJC 223	Organized Crime	3	0	0	3
TOTAL CREDIT HOURS IN CERTIFICATE					16

Criminal Justice Technology - Forensics Certificate (C55180B)

		Class	Lab	Clinic/Exp	Credit
CET 150	Computer Forensics I	2	3	0	3
CET 250	Computer Forensics II	2	3	0	3
CJC 132	Court Procedure & Evidence	3	0	0	3
CJC 221	Investigative Principles	3	2	0	4
CJC 222	Criminalistics	3	0	0	3
TOTAL CREDIT HOURS IN CERTIFICATE					16

Criminal Justice Technology and BLEET

Students successfully completing a BLEET training course accredited by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Standards Commission will receive credit for CJC 131, CJC 132, CJC 221, and CJC 231. Students must successfully complete the training course AND the state certification examination to receive credit for these courses. Students must have completed BLEET training since 1985. SPCC only ensures acceptance of these transfer credits to its Associate in Applied Science - Criminal Justice Technology degree, diploma, and certificate programs. These transfer credits may or may not be accepted by a four-year institution to which a student intends to transfer.

Culinary Arts Degree (A55150)

Available Spring 2016

The Culinary Arts curriculum provides specific training required to prepare students to assume positions as trained culinary professionals in a variety of foodservice settings including full service restaurants, hotels, resorts, clubs, catering operations, contract foodservice and health care facilities.

Students will be provided theoretical knowledge/practical applications that provide critical competencies to meet industry demands, including environmental stewardship, operational efficiencies and professionalism. Courses include sanitation/safety, baking, garde manger, culinary fundamentals/production skills, nutrition, customer service, purchasing/cost control, and human resource management.

Graduates should qualify for entry-level opportunities including prep cook, line cook, and station chef. American Culinary Federation certification may be available to graduates. With experience, graduates may advance to positions including sous chef, pastry chef, executive chef, or foodservice manager.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213))
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Biology (BIO 111, BIO 140, BIO 163, BIO 165)
- Chemistry (CHM 131/CHM 131A, CHM 151)
- Mathematics (MAT 143, MAT 152, MAT 171)
- Physics (PHY 110/PHY 110A)

MAJOR HOURS - CORE COURSES (31 Credit Hours)

		Class	Lab	Clinic/Exp	Credit
CUL 110	Sanitation & Safety	2	0	0	2
CUL 112	Nutrition for Foodservice	3	0	0	3
CUL 135	Food & Beverage Service	2	0	0	2
CUL 140	Culinary Skills I	2	6	0	5
CUL 160	Baking I	1	4	0	3
CUL 170	Garde Manger I	1	4	0	3
CUL 240	Culinary Skills II	1	8	0	5
HRM 220	Cost Control - Food & Bev	3	0	0	3
HRM 245	Human Resource Mgmt - Hosp	3	0	0	3

Work-Based Learning (Choose 1 group - 2 SHC)

WBL 111	Work-Based Learning I and	0	0	10	1
WBL 121	Work-Based Learning II or	0	0	10	1
WBL 112	Work-Based Learning I	0	0	10	2

OTHER MAJOR HOURS (24 Credit Hours)

CIS 110	Introduction to Computers	2	2	0	3
CUL 135A	Food & Beverage Service Lab	0	2	0	1
CUL 150	Food Science	1	2	0	2
CUL 245	Contemporary Cuisines	1	8	0	5
CUL 260	Baking II	1	4	0	3
CUL 270	Garde Manger II	1	4	0	3

Electives (Choose at least 7 Credit Hours)

BPA 150	Artisan & Specialty Bread	1	6	0	4
BPA 210	Cake Design & Decorating	1	4	0	3
BUS 280	REAL Small Business	4	0	0	4
HRM 225	Beverage Management	3	0	0	3
SPA 120	Spanish for the Workplace	3	0	0	3

TOTAL CREDIT HOURS IN DEGREE **70**

Cyber Crime Technology Degree

(A55210)

The Cyber Crime Technology curriculum will prepare students to enter the field of computer crime investigations and private security. Students completing this curriculum will be capable of investigating computer crimes, properly seize and recover computer evidence and aid in the prosecution of cyber criminals.

Course work in this curriculum will include a division of work in the disciplines of criminal justice and computer information systems. Additionally, students will be required to take specific cyber crime classes.

Graduates should qualify to become computer crime investigators for local or state criminal justice agencies. Also these graduates should be competent to serve as computer security specialists or consultants with private business.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)**Communications (6 SHC)**

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213)
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)

- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Biology (BIO 111, BIO 140, BIO 163, BIO 165)
- Chemistry (CHM 131/CHM 131A, CHM 151)
- Mathematics (MAT 143, MAT 152, MAT 171)
- Physics (PHY 110/PHY 110A)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (16 Credit Hours)					
CCT 110	Introduction to Cyber Crime	3	0	0	3
CCT 112	Ethics & High Technology	3	0	0	3
CCT 121	Computer Crime Investigation	3	2	0	4
CCT 231	Technology Crimes & Law	3	0	0	3
CCT 289	Capstone Project	1	6	0	3
OTHER MAJOR HOURS (34 Credit Hours)					
CET 150	Computer Forensics I	2	3	0	3
CET 250	Computer Forensics II	2	3	0	3
CIS 110	Introduction to Computers	2	2	0	3
CIS 115	Intro to Prog & Logic	2	3	0	3
CJC 132	Court Procedure & Evidence	3	0	0	3
CJC 221	Investigative Principles	3	2	0	4
NET 125	Networking Basics	1	4	0	3
NOS 110	Operating System Concepts	2	3	0	3
NOS 120	Linux/UNIX Single User	2	2	0	3
SEC 110	Security Concepts	2	2	0	3
Electives (Choose at least 3 Credit Hours)					
ACC 120	Principles of Financial Accounting	3	2	0	4
BUS 115	Business Law I	3	0	0	3
CCT 220	Forensic Accounting	3	3	0	4
CCT 285	Trends in Cyber Crime	2	2	0	3
CSC 151	JAVA Programming	2	3	0	3
CTS 120	Hardware/Software Support	2	3	0	3
DBA 110	Database Concepts	2	3	0	3
NOS 130	Windows Single User	2	2	0	3
OST 148	Med Coding Billing & Ins	3	0	0	3
OST 149	Medical Legal Issues	3	0	0	3
WBL 110	World of Work	1	0	0	1
WBL 111	Work-Based Learning I (and)	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1
TOTAL CREDIT HOURS IN DEGREE					65

Early Childhood Education Degree

(A55220)

The Early Childhood Education curriculum prepares individuals to work with children from birth through eight 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 families 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 child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

The SPCC Early Childhood Program is accredited by the National Association for the Education of Young Children (NAEYC), www.naeyc.org.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213)
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Biology (BIO 111, BIO 140, BIO 163, BIO 165)
- Chemistry (CHM 131/CHM 131A, CHM 151)
- Mathematics (MAT 143, MAT 152, MAT 171)
- Physics (PHY 110/PHY 110A)

	Class	Lab	Clinic/Exp	Credit	
MAJOR HOURS - CORE COURSES (38 Credit Hours)					
EDU 119	Introduction to Early Childhood Education	4	0	0	4
EDU 131	Children, Family, and Community	3	0	0	3
EDU 144	Child Development I	3	0	0	3
EDU 145	Child Development II	3	0	0	3
EDU 146	Child Guidance	3	0	0	3
EDU 151	Creative Activities	3	0	0	3
EDU 153	Health, Safety, and Nutrition	3	0	0	3
EDU 221	Children with Exceptionalities	3	0	0	3
EDU 234	Infants, Toddlers, and Twos	3	0	0	3
EDU 271	Educational Technology	2	2	0	3

EDU 280	Language & Literacy Experiences	3	0	0	3
EDU 284	Early Child Capstone Practicum	1	9	0	4
OTHER MAJOR HOURS (15 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
EDU 184	Early Childhood Introductory Practicum	1	3	0	2
EDU 188	Issues in Early Childhood Education	2	0	0	2
EDU 259	Curriculum Planning	3	0	0	3
Electives (Choose at least 5 Credit Hours)					
EDU 154	Social/Emotional/Behavioral Development	3	0	0	3
EDU 157	Active Play	2	2	0	3
EDU 161	Introduction to Exceptional Children	3	0	0	3
EDU 216	Foundations of Education	4	0	0	4
EDU 250	PRAXIS I Preparation	1	0	0	1
EDU 251	Exploration Activities	3	0	0	3
EDU 253	Music for Children	1	2	0	2
EDU 261	Early Childhood Administration I	3	0	0	3
EDU 262	Early Childhood Administration II	3	0	0	3
PSY 150	General Psychology	3	0	0	3
SOC 213	Sociology of the Family	3	0	0	3
SPA 111	Elementary Spanish I	3	0	0	3
SPA 112	Elementary Spanish II	3	0	0	3
TOTAL CREDIT HOURS IN DEGREE					68

Early Childhood Education Diploma (D55220)

GENERAL EDUCATION REQUIREMENTS (6 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (35 Credit Hours)					
EDU 119	Introduction to Early Childhood Education	4	0	0	4
EDU 131	Children, Family, & Community	3	0	0	3
EDU 144	Child Development I	3	0	0	3
EDU 145	Child Development II	3	0	0	3
EDU 146	Child Guidance	3	0	0	3
EDU 151	Creative Activities	3	0	0	3
EDU 153	Health, Safety, & Nutrition	3	0	0	3
EDU 221	Children with Exceptionalities	3	0	0	3
EDU 271	Educational Technology	2	2	0	3
EDU 280	Language & Literacy Experiences	3	0	0	3
EDU 284	Early Child Capstone Practicum	1	9	0	4
OTHER MAJOR HOURS (3 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
TOTAL CREDIT HOURS IN DIPLOMA					44

Early Childhood Education - Preschool Certificate

(C55220C)

		Class	Lab	Clinic/Exp	Credit
EDU 119	Introduction to Early Childhood Education	4	0	0	4
EDU 144	Child Development I	3	0	0	3
EDU 146	Child Guidance	3	0	0	3
EDU 271	Educational Technology	2	2	0	3
EDU 280	Language & Literacy Experiences	3	0	0	3

TOTAL CREDIT HOURS IN CERTIFICATE 16

Early Childhood Education - Administration Certificate

(C55220D)

		Class	Lab	Clinic/Exp	Credit
EDU 119	Introduction to Early Childhood Education	4	0	0	4
EDU 146	Child Guidance	3	0	0	3
EDU 153	Health, Safety and Nutrition	3	0	0	3
EDU 261	Early Childhood Administration I	3	0	0	3
EDU 262	Early Childhood Administration II	3	0	0	3

TOTAL CREDIT HOURS IN CERTIFICATE 16

Early Childhood Education - Pre-K Special Education Certificate

(C55220F)

		Class	Lab	Clinic/Exp	Credit
EDU 119	Introduction to Early Childhood Education	4	0	0	4
EDU 144	Child Development I	3	0	0	3
EDU 145	Child Development II	3	0	0	3
EDU 154	Social/Emotional/Behavioral Development	3	0	0	3
EDU 161	Introduction to Exceptional Children	3	0	0	3
EDU 184	Early Childhood Introductory Practicum	1	3	0	2

TOTAL CREDIT HOURS IN CERTIFICATE 18

Electrical Systems Technology Degree (A35130)

The Electrical Systems Technology curriculum is designed to provide training for persons interested in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities.

Coursework, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, programmable logic controllers, industrial motor controls, applications of the National Electric Code, and other subjects as local needs require.

Graduates should qualify for a variety of jobs in the electrical/electronics field as an on-the-job trainee or apprentice assisting in the layout, installation, and maintenance of electrical systems.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213))
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Mathematics (MAT 143, MAT 171)
- Physics (PHY 110/PHY 110A)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (28 Credit Hours)					
ELC 112	DC/AC Electricity	3	6	0	5
ELC 113	Residential Wiring	2	6	0	4
ELC 117	Motors and Controls	2	6	0	4
ELC 128	Introduction to PLC	2	3	0	3
Concentration Requirements (Electrical Systems)					
ELC 115	Industrial Wiring	2	6	0	4
ELC 118	National Electrical Code	1	2	0	2
ELC 215	Electrical Maintenance	2	3	0	3
ELC 220	Photovoltaic Systems Technology	2	3	0	3
OTHER MAJOR HOURS (24 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
ELN 131	Analog Electronics I	3	3	0	4
HYD 110	Hydraulics/Pneumatics I	2	3	0	3
Electives I (Choose at least 3 Credit Hours)					
DFT 151	CAD I	2	3	0	3
MEC 130	Mechanisms	2	2	0	3

Electives II (Choose 1 group:)

ELN 132	Analog Electronics II (<i>or</i>)	3	3	0	4
MAC 114	Introduction to Metrology (<i>and</i>)	2	0	0	2
MAC 132	Blueprint Reading/MACH II	1	2	0	2

Electives III (Choose 1 group:)

ELN 133	Digital Electronics (<i>or</i>)	3	3	0	4
HYD 121	Hydraulics/Pneumatics II (<i>and</i>)	1	3	0	2
HYD 210	Advanced Hydraulics	1	3	0	2

Electives IV (Choose at least 3 Credit Hours)

ALT 120	Renewable Energy Tech	2	2	0	3
ATR 112	Intro to Automation	2	3	0	3
BPR 111	Print Reading	1	2	0	2
BUS 280	REAL Small Business	4	0	0	4
DFT 152	CAD II	2	3	0	3
ELC 213	Instrumentation	3	2	0	4
ELC 221	Adv PV Systems Designs	2	3	0	3
ELN 231	Industrial Controls	2	3	0	3
ISC 112	Industrial Safety	2	0	0	2
MAC 121	Intro to CNC	2	0	0	2
MAC 122	CNC Turning	1	3	0	2
MEC 130	Mechanisms	2	2	0	3
MEC 145	Mfg Materials I	2	3	0	3
MEC 151	Mechanical Mfg Systems	1	3	0	2
MEC 180	Engineering Materials	2	3	0	3
NET 125	Networking Basics	1	4	0	3
WBL 110	World of Work	1	0	0	1
WBL 111	Work-Based Learning I (<i>and</i>)	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1

TOTAL CREDIT HOURS IN DEGREE 67

Electrical Systems Technology Degree Hydro-Mechanical Pathway (A35130H)

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)**Communications (6 SHC)**

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213)
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)

- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Mathematics (MAT 140, MAT 143, MAT 171)
- Physics (PHY 110/PHY 110A)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (28 Credit Hours)					
ELC 112	DC/AC Electricity	3	6	0	5
ELC 113	Residential Wiring	2	6	0	4
ELC 117	Motors and Controls	2	6	0	4
ELC 128	Introduction to PLC	2	3	0	3
Concentration Requirements (Electrical Systems)					
ELC 115	Industrial Wiring	2	6	0	4
ELC 118	National Electrical Code	1	2	0	2
ELC 215	Electrical Maintenance	2	3	0	3
ELC 220	Photovoltaic Systems Technology	2	3	0	3
OTHER MAJOR HOURS (24 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
ELN 131	Analog Electronics I	3	3	0	4
HYD 110	Hydraulics/Pneumatics I	2	3	0	3
HYD 121	Hydraulics/Pneumatics II	1	3	0	2
HYD 210	Advanced Hydraulics	1	3	0	2
MAC 114	Introduction to Metrology	2	0	0	2
MAC 132	Blueprint Reading/MACH II	1	2	0	2
MEC 130	Mechanisms	2	2	0	3
MEC 151	Mechanical Mfg Systems	1	3	0	2
Electives (Choose at least 1 Credit Hour)					
ATR 112	Intro to Automation	2	3	0	3
DFT 151	CAD I	2	3	0	3
ELC 213	Instrumentation	3	2	0	4
ELC 221	Adv PV Systems Designs	2	3	0	3
ELN 132	Analog Electronics II	3	3	0	4
ELN 133	Digital Electronics	3	3	0	4
ELN 231	Industrial Controls	2	3	0	3
ISC 112	Industrial Safety	2	0	0	2
MAC 121	Intro to CNC	2	0	0	2
MAC 122	CNC Turning	1	3	0	2
MEC 145	Mfg Materials I	2	3	0	3
MEC 180	Engineering Materials	2	3	0	3
NET 125	Networking Basics	1	4	0	3
WBL 110	World of Work	1	0	0	1
WBL 111	Work-Based Learning I (and)	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1
TOTAL CREDIT HOURS IN DEGREE					67

Electrical Systems Technology Diploma

(D35130)

GENERAL EDUCATION REQUIREMENTS (6 Credit Hours)

Communications (3 SHC)

- English Composition (ENG 111)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Mathematics (MAT 143, MAT 171)
- Physics (PHY 110/PHY 110A)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (28 Credit Hours)					
ELC 112	DC/AC Electricity	3	6	0	5
ELC 113	Residential Wiring	2	6	0	4
ELC 117	Motors and Controls	2	6	0	4
ELC 128	Introduction to PLC	2	3	0	3
Concentration Requirements (Electrical Systems)					
ELC 115	Industrial Wiring	2	6	0	4
ELC 118	National Electrical Code	1	2	0	2
ELC 215	Electrical Maintenance	2	3	0	3
ELC 220	Photovoltaic Systems Technology	2	3	0	3
OTHER MAJOR HOURS (12 Credit Hours)					
ELN 131	Semiconductor Applications	3	3	0	4
ELN 132	Linear IC Applications	3	3	0	4
ELN 133	Digital Electronics	3	3	0	4
TOTAL CREDIT HOURS IN DIPLOMA					46

Electrical Systems Technology Certificate

(C35130A)

		Class	Lab	Clinic/Exp	Credit
ELC 112	DC/AC Electricity	3	6	0	5
ELC 113	Residential Wiring	2	6	0	4
ELC 117	Motors and Controls	2	6	0	4
ELC 128	Introduction to PLC	2	3	0	3
ELC 118	National Electrical Code	1	2	0	2
TOTAL CREDIT HOURS IN CERTIFICATE					18

Electrical Systems Technology - Industrial and Photovoltaic Wiring Certificate

(C35130B)

		Class	Lab	Clinic/Exp	Credit
ELC 117	Motors and Controls	2	6	0	4
ELC 115	Industrial Wiring	2	6	0	4
ELC 118	National Electrical Code	1	2	0	2
ELC 215	Electrical Maintenance	2	3	0	3
ELC 220	Photovoltaic Systems Technology	2	3	0	3
TOTAL CREDIT HOURS IN CERTIFICATE					16

Electrical Systems Technology - Hydro-Mechanical Certificate (C35130C)

		Class	Lab	Clinic/Exp	Credit
HYD 110	Hydraulics/Pneumatics I	2	3	0	3
HYD 121	Hydraulics/Pneumatics II	1	3	0	2
HYD 210	Advanced Hydraulics	1	3	0	2
MAC 114	Introduction to Metrology	2	0	0	2
MAC 132	Blueprint Reading/MACH II	1	2	0	2
MEC 130	Mechanisms	2	2	0	3
MEC 151	Mechanical Mfg Systems	1	3	0	2

TOTAL CREDIT HOURS IN CERTIFICATE 16

Emergency Medical Science Degree / Paramedic Bridge (A45340B)

The Emergency Medical Science curriculum is designed to provide 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.

GENERAL EDUCATION REQUIREMENTS (16 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213)
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC)

- Psychology (PSY 150)

Natural Sciences/Mathematics (4 SHC)

- Biology BIO 165)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (52 Credit Hours)					
BIO 166	Anatomy and Physiology II	3	3	0	4
EMS 110	EMT-Basic	6	6	0	8
EMS 122	EMS Clinical Practicum I	0	0	3	1
EMS 130	Pharmacology	3	3	0	4
EMS 131	Advanced Airway Management	1	2	0	2
EMS 160	Cardiology I	1	3	0	2

EMS 220	Cardiology II	2	3	0	3
EMS 221	EMS Clinical Practicum II	0	0	6	2
EMS 231	EMS Clinical Practicum III	0	0	9	3
EMS 240	Patients With Special Challenges	1	2	0	2
EMS 241	EMS Clinical Practicum IV	0	0	12	4
EMS 250	Medical Emergencies	3	3	0	4
EMS 260	Trauma Emergencies	1	3	0	2
EMS 270	Life Span Emergencies	2	3	0	3
MED 121	Medical Terminology I	3	0	0	3
MED 122	Medical Terminology II	3	0	0	3
Bridge Elective (Choose one course)					
EMS 280	EMS Bridging Course	2	2	0	3
EMS 285	EMS Capstone	1	3	0	2
OTHER MAJOR HOURS (5 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
EMS Elective (Choose one course)					
EMS 125	EMS Instructor Methodology	1	2	0	2
EMS 235	EMS Management	2	0	0	2
TOTAL CREDIT HOURS IN DEGREE					73

Fire Protection Technology Degree

(A55240)

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 governmental 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 organization.

Collaborative Program Offered in Cooperation with Central Piedmont Community College

In this Instructional Service Agreement, students may take general education courses at South Piedmont Community College. Central Piedmont Community College will provide the FIP prefix courses as specified in the CPCC Fire Protection Technology curriculum. Students who successfully complete all requirements of the Fire Protection Technology program will be awarded an Associate in Applied Science Degree by Central Piedmont Community College.

GENERAL EDUCATION REQUIREMENTS (19 Credit Hours)

Communications (9 SHC)

- English (ENG 111, and ENG 112 or ENG 114)
- Communication (Choose one course: COM 110, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115)
- Drama (DRA 111, DRA 112, DRA 122)
- Literature (ENG 231, ENG 232, ENG 241, ENG 242)
- Interdisciplinary Humanities (HUM 130, HUM 160, HUM 211, HUM 212)

- Music (MUS 110, MUS 112, MUS 213)
- Philosophy (PHI 230)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC)

- Psychology (PSY 150)

Natural Sciences/Mathematics (4 SHC)

- Mathematics (MAT 152 or MAT 171)

		Class	Lab	Clinic/Exp	Credit
OTHER MAJOR HOURS (39 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
Chemistry/Hazmat I (Choose one course)					
CHM 151	General Chemistry I	3	3	0	4
PHY 151	College Physics I	3	2	0	4
Chemistry/Hazmat II (Choose one course)					
CHM 152	General Chemistry II	3	3	0	4
PHY 152	College Physics II	3	2	0	4
TOTAL CREDIT HOURS Offered by SPCC					30

Funeral Service Education Degree

(A55260)

Available Spring 2016

The Funeral Service Education curriculum provides students with the opportunity to become proficient in basic funeral service skills.

In addition to the general education courses required in the curriculum, students will complete technical courses such as human anatomy, microbiology, embalming theory and practice, embalming chemistry, restorative arts, funeral law, and funeral home operations.

Graduates of the curriculum, upon passing the state and national exams, completing an internship in a funeral home, and satisfying all state board of funeral service requirements, will be qualified for employment as embalmers and/or funeral directors.

Collaborative Program Offered in Cooperation with Fayetteville Technical Community College

In this Instructional Service Agreement, Fayetteville Technical Community College will provide the courses in the Funeral Service Education curriculum labeled (FTCC). SPCC will provide general education courses and all other courses within the program. Course prerequisites exist at both institutions. Students are encouraged to contact their advisor prior to registering. Students who successfully complete all requirements of the Funeral Service Education program will be awarded an Associate in Applied Science degree by Fayetteville Technical Community College. The Associate in Applied Science Degree in Funeral Service Education at FTCC is accredited by the American Board of Funeral Service Education.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English (ENG 111)
- Communication (COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115)
- Drama (DRA 111, DRA 112, DRA 122, DRA 126, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150)
- Music (MUS 110, MUS 112, MUS 113, MUS 210, MUS 211, MUS 213)

- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC)

- Sociology (SOC 210)

Natural Sciences/Mathematics (4 SHC) Choose one course:

- Mathematics (MAT 140, MAT 143)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (16 Credit Hours)					
FSE 112	Principles of Funeral Service (FTCC)	3	0	0	3
FSE 116	Funeral Law and Ethics (FTCC)	3	0	0	3
FSE 214	Pathology (FTCC)	3	0	0	3
FSE 215	Funeral Home Operations (FTCC)	4	0	0	4
PSY 141	Psychology of Death and Dying (FTCC)	3	0	0	3
OTHER MAJOR HOURS (41 Credit Hours)					
ACC 111	Financial Accounting (FTCC) or ACC 120	3	0	0	3
BUS 110	Introduction to Business	3	0	0	3
BUS 115	Business Law I	3	0	0	3
BUS 230	Small Business Management (FTCC) or BUS 280	3	0	0	3
CIS 113	Computer Basics (FTCC) or CIS 110	0	2	0	1
FSE 114	Embalming Chemistry (FTCC)	4	0	0	4
FSE 118	Embalming Anatomy (FTCC) or BIO 165 & BIO 166	4	0	0	4
FSE 120	Embalming Microbiology (FTCC)	3	0	0	3
FSE 210	Embalming Theory I (FTCC)	3	0	0	3
FSE 212	Embalming Theory II (FTCC)	3	0	0	3
FSE 216	Restorative Arts (FTCC)	2	4	0	4
FSE 217	Funeral Service Projects (FTCC)	1	2	0	2
PSY 150	General Psychology	3	0	0	3
Electives (Choose one set, 2 Credit Hours, from following:)					
FSE 211	Embalming Lab I (FTCC)	0	2	0	1
FSE 213	Embalming Lab II (FTCC)	0	2	0	1
WBL 111	Work-Based Learning I (FTCC)	0	0	10	1
WBL 121	Work-Based Learning II (FTCC)	0	0	10	1
OTHER REQUIRED HOURS (1 Credit Hour)					
ACA 111	College Student Success (FTCC)	1	0	0	1
TOTAL CREDIT HOURS IN DEGREE					73

Funeral Service Education - N.C. Funeral Director Diploma (D55260)

Available Spring 2016

Collaborative Program Offered in Cooperation with Fayetteville Technical Community College

In this Instructional Service Agreement, Fayetteville Technical Community College will provide the courses in the Funeral Service Education curriculum labeled (FTCC). SPCC will provide all other courses within the program and general education courses. Course prerequisites exist at both institutions. Students are encouraged to contact their advisor prior to registering. Students who successfully complete all requirements of the Funeral Service Education diploma will be awarded a Funeral Service Education - N.C. Funeral Director diploma by Fayetteville Technical Community College. This program is not accredited by the American Board of Funeral Service Education.

GENERAL EDUCATION REQUIREMENTS (6 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)

Social/Behavioral Sciences (3 SHC)

- Sociology (SOC 210)

MAJOR HOURS - CORE COURSES (16 Credit Hours)

		Class	Lab	Clinic/Exp	Credit
FSE 112	Principles of Funeral Service (FTCC)	3	0	0	3
FSE 116	Funeral Law and Ethics (FTCC)	3	0	0	3
FSE 214	Pathology (FTCC)	3	0	0	3
FSE 215	Funeral Home Operations (FTCC)	4	0	0	4
PSY 141	Psychology of Death and Dying (FTCC)	3	0	0	3

OTHER MAJOR HOURS (16 Credit Hours)

ACC 111	Financial Accounting (FTCC) or ACC 120	3	0	0	3
BUS 110	Introduction to Business	3	0	0	3
BUS 115	Business Law I	3	0	0	3
BUS 230	Small Business Management (FTCC) or BUS 280	3	0	0	3
CIS 113	Computer Basics (FTCC) or CIS 110	0	2	0	1
PSY 150	General Psychology	3	0	0	3

OTHER REQUIRED HOURS (1 Credit Hour)

ACA 111	College Student Success (FTCC)	1	0	0	1
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TOTAL CREDIT HOURS IN DIPLOMA 39

General Occupational Technology Degree

(A55280)

The General Occupational Technology curriculum provides individuals with an opportunity to upgrade skills and to earn an associate degree, diploma, and/or certificate by taking courses suited for individual occupational interests and/or needs.

The curriculum content will be customized for students according to occupational interests and needs. A program of study for each student will be selected from any non-developmental 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.

Students wishing to major in General Occupational Technology are required to have an approved individualized program of study to enroll in this program. Information may be obtained in the Student Success Division. This program does not meet the standards of the Comprehensive Articulation Agreement with the UNC System and, therefore, is a terminal program and will not transfer to four-year institutions.

All courses must be taken from approved associate of applied science (AAS) degree, diploma, or certificate programs.

Human Services Technology Degree (A45380)

The Human Services Technology curriculum prepares students 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 service 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, child care, 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.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213)
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Sociology (SOC 210, SOC 213, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Biology (BIO 111, BIO 140, BIO 163, BIO 165)
- Chemistry (CHM 131/CHM 131A, CHM 151)
- Mathematics (MAT 143, MAT 152, MAT 171)
- Physics (PHY 110/PHY 110A)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (25 Credit Hours)					
HSE 110	Introduction to Human Services	2	2	0	3
HSE 112	Group Process I	1	2	0	2
HSE 123	Interviewing Techniques	2	2	0	3
HSE 125	Counseling	2	2	0	3
HSE 210	Human Services Issues	2	0	0	2
HSE 225	Crisis Intervention	3	0	0	3
PSY 150	General Psychology	3	0	0	3
PSY 281	Abnormal Psychology	3	0	0	3
SOC 220	Social Problems	3	0	0	3
OTHER MAJOR HOURS (25 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
GRO 120	Gerontology	3	0	0	3
HSE 220	Case Management	3	0	0	3
SAB 110	Substance Abuse Overview	3	0	0	3
SWK 113	Working with Diversity	3	0	0	3

WBL 111	Work-Based Learning I	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1
WBL 121	Work-Based Learning II	0	0	10	1
WBL 125	Work-Based Learning Seminar II	1	0	0	1
Electives (Choose at least 6 Credit Hours)					
DDT 110	Developmental Disabilities	3	0	0	3
DDT 230	Supported Employment	3	0	0	3
DDT 240	Aging Lifelong Disability	3	0	0	3
GRO 250	Aging Policies Programs & Services	2	0	0	2
HSE 242	Family Systems	3	0	0	3
SAB 130	Addictive Behaviors	3	0	0	3
SAB 135	Addictive Process	3	0	0	3
SPA 120	Spanish for the Workplace	3	0	0	3
TOTAL CREDIT HOURS IN DEGREE					65

Human Services Technology Diploma (D45380)

GENERAL EDUCATION REQUIREMENTS (6 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

MAJOR HOURS - CORE COURSES (17 Credit Hours)

		Class	Lab	Clinic/Exp	Credit
HSE 110	Introduction to Human Services	2	2	0	3
HSE 112	Group Process I	1	2	0	2
HSE 123	Interviewing Techniques	2	2	0	3
HSE 125	Counseling	2	2	0	3
HSE 225	Crisis Intervention	3	0	0	3
PSY 150	General Psychology	3	0	0	3

OTHER MAJOR HOURS (15 Credit Hours)

CIS 110	Introduction to Computers	2	2	0	3
GRO 120	Gerontology	3	0	0	3
HSE 220	Case Management	2	2	0	3
HSE 242	Family Systems	3	0	0	3
SWK 113	Working with Diversity	3	0	0	3

TOTAL CREDIT HOURS IN DIPLOMA **38**

Human Services Technology - Substance Abuse Certificate (C45380)

		Class	Lab	Clinic/Exp	Credit
HSE 112	Group Process I	1	2	0	2
HSE 225	Crisis Intervention	3	0	0	3
PSY 150	General Psychology	3	0	0	3
SAB 110	Substance Abuse Overview	3	0	0	3
SAB 130	Addictive Behaviors	3	0	0	3
SAB 135	Addictive Process	3	0	0	3

TOTAL CREDIT HOURS IN CERTIFICATE 17

Human Services Technology - Developmental Disabilities Certificate (C45380D)

		Class	Lab	Clinic/Exp	Credit
HSE 123	Interviewing Techniques	2	2	0	3
HSE 210	Human Services Issues	2	0	0	2
DDT 110	Developmental Disabilities	3	0	0	3
DDT 230	Supported Employment	3	0	0	3
DDT 240	Aging Lifelong Disability	3	0	0	3
SWK 113	Working with Diversity	3	0	0	3

TOTAL CREDIT HOURS IN CERTIFICATE 17

Human Services Technology - Gerontology Certificate (C45380G)

		Class	Lab	Clinic/Exp	Credit
HSE 210	Human Services Issues	2	0	0	2
DDT 110	Developmental Disabilities	3	0	0	3
DDT 240	Aging Lifelong Disability	3	0	0	3
GRO 120	Gerontology	3	0	0	3
GRO 250	Aging Policies Programs & Services	2	0	0	2
SWK 113	Working with Diversity	3	0	0	3

TOTAL CREDIT HOURS IN CERTIFICATE 16

Industrial Systems Technology Degree (A50240)

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 print reading, mechanical systems maintenance, electricity, hydraulics/pneumatics, welding, machining or fabrication, and includes various diagnostic 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.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213))
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Mathematics (MAT 143, MAT 171)
- Physics (PHY 110/PHY 110A)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (34 Credit Hours)					
BPR 111	Print Reading	1	2	0	2
HYD 110	Hydraulics/Pneumatics I	2	3	0	3
ISC 112	Industrial Safety	2	0	0	2
MAC 111	Machining Technology I	2	12	0	6
MNT 110	Intro to Maintenance Procedures	1	3	0	2
WLD 112	Basic Welding Processes	1	3	0	2
Concentration Requirements (Industrial Systems)					
MAC 112	Machining Technology II	2	12	0	6
MAC 114	Intro to Metrology	2	0	0	2
MAC 151	Machining Calculations	1	2	0	2
MAC 241	Jigs and Fixtures I	2	6	0	4
Electrical Elective (Choose one course:)					
ELC 111	Introduction to Electricity	2	2	0	3
ELC 112	DC/AC Electricity	3	6	0	5

OTHER MAJOR HOURS (23 Credit Hours)

CIS 110	Introduction to Computers	2	2	0	3
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Machining / Industrial Electives (Take one group)**Group I Machining**

MAC 121	Intro to CNC	2	0	0	2
MAC 122	CNC Turning	1	3	0	2
MAC 124	CNC Milling	1	3	0	2
MAC 132	Blueprint Reading/Mach II	1	2	0	2
MAC 152	Adv Machining Calculations	1	2	0	2
MAC 226	CNC EDM Machining	1	3	0	2
MEC 142	Physical Metallurgy	1	2	0	2

Group II Industrial

ELC 115	Industrial Wiring	2	6	0	4
ELC 117	Motors and Controls	2	6	0	4
ELC 128	Introduction to PLC	2	3	0	3
MEC 130	Mechanisms	2	2	0	3

Electives (Choose at least 6 Credit Hours)

ATR 112	Intro to Automation	2	3	0	3
DFT 151	CAD I	2	3	0	3
DFT 152	CAD II	2	3	0	3
ELC 215	Electrical Maintenance	2	3	0	3
MAC 113	Machining Technology III	2	12	0	6
MAC 243	Die Making I	2	6	0	4
MNT 111	Maintenance Practices	2	2	0	3
WBL 110	World of Work	1	0	0	1
WBL 111	Work-Based Learning I	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1
WLD 110	Cutting Processes	1	3	0	2
WLD 115	SMAW (Stick) Plate	2	9	0	5
WLD 121	GMAW (MIG) FCAW/Plate	2	6	0	4
WLD 212	Inert Gas Welding	1	3	0	2

TOTAL CREDIT HOURS IN DEGREE **72**

Industrial Systems Technology Degree Machining Pathway (A50240A)

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 print reading, mechanical systems maintenance, electricity, hydraulics/pneumatics, welding, machining or fabrication, and includes various diagnostic 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.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)**Communications (6 SHC)**

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213))
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Mathematics (MAT 143, MAT 171)
- Physics (PHY 110/PHY 110A)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (34 Credit Hours)					
BPR 111	Print Reading	1	2	0	2
HYD 110	Hydraulics/Pneumatics I	2	3	0	3
ISC 112	Industrial Safety	2	0	0	2
MAC 111	Machining Technology I	2	12	0	6
MNT 110	Intro to Maintenance Procedures	1	3	0	2
WLD 112	Basic Welding Processes	1	3	0	2
Concentration Requirements (Industrial Systems)					
MAC 112	Machining Technology II	2	12	0	6
MAC 114	Intro to Metrology	2	0	0	2
MAC 151	Machining Calculations	1	2	0	2
MAC 241	Jigs and Fixtures I	2	6	0	4
Electrical Elective (Choose one course:)					
ELC 111	Introduction to Electricity	2	2	0	3
ELC 112	DC/AC Electricity	3	6	0	5
OTHER MAJOR HOURS (23 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
MAC 121	Intro to CNC	2	0	0	2
MAC 122	CNC Turning	1	3	0	2
MAC 124	CNC Milling	1	3	0	2
MAC 132	Blueprint Reading/Mach II	1	2	0	2
MAC 152	Adv Machining Calculations	1	2	0	2
MAC 226	CNC EDM Machining	1	3	0	2
MEC 142	Physical Metallurgy	1	2	0	2
Electives (Choose at least 6 Credit Hours)					
MAC 113	Machining Technology III	2	12	0	6
MAC 243	Die Making I	2	6	0	4
WBL 110	World of Work	1	0	0	1
WBL 111	Work-Based Learning I	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1
TOTAL CREDIT HOURS IN DEGREE					72

Industrial Systems Technology - Machining Certificate

(C50240A)

		Class	Lab	Clinic/Exp	Credit
BPR 111	Blueprint Reading	1	2	0	2
ISC 112	Industrial Safety	2	0	0	2
MAC 111	Machining Technology I	2	12	0	6
MAC 121	Intro to CNC	2	0	0	2
MAC 122	CNC Turning	1	3	0	2
MAC 124	CNC Milling	1	3	0	2
TOTAL CREDIT HOURS IN CERTIFICATE					16

Industrial Systems Technology - Maintenance Certificate

(C50240M)

		Class	Lab	Clinic/Exp	Credit
BPR 111	Blueprint Reading	1	2	0	2
HYD 110	Hydraulics/Pneumatics I	2	3	0	3
ELC 215	Electrical Maintenance	2	3	0	3
ISC 112	Industrial Safety	2	0	0	2
MNT 110	Intro to Maintenance Procedures	1	3	0	2
MNT 111	Maintenance Practices	2	2	0	3
WLD 112	Basic Welding Processes	1	3	0	2
TOTAL CREDIT HOURS IN CERTIFICATE					17

Industrial Systems Technology - Welding Certificate

(C50240W)

		Class	Lab	Clinic/Exp	Credit
BPR 111	Blueprint Reading	1	2	0	2
ISC 112	Industrial Safety	2	0	0	2
WLD 110	Cutting Processes	1	3	0	2
WLD 112	Basic Welding Processes	1	3	0	2
WLD 115	SMAW (Stick) Plate	2	9	0	5
WLD 121	GMAW (MIG) FCAW/Plate	2	6	0	4
TOTAL CREDIT HOURS IN CERTIFICATE					17

Infant/Toddler Care Certificate

(C55290)

The 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 infants and toddlers.

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 families 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 child care programs, preschools, public and private schools, recreational centers, Early Head Start Programs, and other infant/toddler programs.

		Class	Lab	Clinic/Exp	Credit
EDU 119	Introduction to Early Childhood Education	4	0	0	4
EDU 131	Child, Family, & Community	3	0	0	3
EDU 144	Child Development I	3	0	0	3
EDU 153	Health, Safety, & Nutrition	3	0	0	3
EDU 234	Infants, Toddlers, & Twos	3	0	0	3

TOTAL CREDIT HOURS IN CERTIFICATE..... 16

Licensed Practical Nurse Refresher Certificate

(C45390)

The Licensed Practical Nurse Refresher curriculum provides a refresher course for individuals previously licensed as Practical Nurses and who are ineligible for reentry into nursing practice due to a lapse in licensure for five or more years. *Individuals entering this curriculum must have been previously licensed as a Practical Nurse.*

Course work includes common medical-surgical conditions and nursing approaches to their management, including mental health principles, pharmacological concepts, and safe clinical nursing practice.

Graduates will be eligible to apply for reinstatement of licensure by the North Carolina Board of Nursing. Employment opportunities include hospitals, long term care facilities, clinics, physicians' offices, industry, and community health agencies.

		Class	Lab	Clinic/Exp	Credit
NUR 107	LPN Refresher	9	0	9	12

TOTAL CREDIT HOURS IN CERTIFICATE 12

Mechanical Engineering Technology Degree

(A40320)

The Mechanical Engineering Technology curriculum prepares graduates for employment as technicians in the diversified mechanical and manufacturing engineering fields. Mechanical Engineering technicians assist in design, development, testing, process design and improvement, and troubleshooting and repair of engineered systems. Emphasis is placed on the integration of theory and hands-on application of engineering principles.

In addition to course work in engineering graphics, engineering fundamentals, materials and manufacturing processes, mathematics, and physics, students will study computer applications, critical thinking, planning and problem solving, and oral and written communications.

Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

GENERAL EDUCATION REQUIREMENTS (16 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213)
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (4 SHC)

- Mathematics (MAT 171)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (22 Credit Hours)					
DFT 151	CAD I	2	3	0	3
DFT 154	Intro Solid Modeling	2	3	0	3
EGR 251	Statics	2	2	0	3
EGR 252	Strength of Materials	2	2	0	3
HYD 110	Hydraulics/Pneumatics I	2	3	0	3
MEC 145	Mfg Materials I	2	3	0	3
PHY 151	College Physics I	3	2	0	4
OTHER MAJOR HOURS (31 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
DFT 152	CAD II	2	3	0	3
ELC 117	Motors and Controls	2	6	0	4
ELC 128	Introduction to PLC	2	3	0	3
ISC 112	Industrial Safety	2	0	0	2
MAC 114	Intro to Metrology	2	0	0	2

MAC 121	Introduction to CNC	2	0	0	2
MAC 122	CNC Turning	1	3	0	2
MEC 130	Mechanisms	2	2	0	3
MEC 151	Mechanical Mfg Systems	1	3	0	2
Electives (Choose at least 5 Credit Hours)					
ATR 112	Intro to Automation	2	3	0	3
BPR 111	Print Reading	1	2	0	2
BUS 135	Principles of Supervision	3	0	0	3
BUS 139	Entrepreneurship I	3	0	0	3
CSC 151	JAVA Programming	2	3	0	3
ELN 131	Analog Electronics I	3	3	0	4
ELN 133	Digital Electronics	3	3	0	4
ISC 132	Mfg Quality Control	2	3	0	3
MAC 151	Machining Calculations	1	2	0	2
MEC 180	Engineering Materials	2	3	0	3
MEC 260	Fundamentals of Machine Design	2	3	0	3
NET 125	Networking Basics	1	4	0	3
WBL 110	World of Work	1	0	0	1
WBL 111	Work-Based Learning I	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1
WLD 112	Basic Welding Processes	1	3	0	2
TOTAL CREDIT HOURS IN DEGREE					69

Mechanical Engineering Technology - Mechatronics Certificate (C40320E)

		Class	Lab	Clinic/Exp	Credit
EGR 251	Statics	2	2	0	3
EGR 252	Strength of Materials	2	2	0	3
ELC 117	Motors and Controls	2	6	0	4
ELC 128	Introduction to PLC	2	3	0	3
HYD 110	Hydraulics/Pneumatics I	2	3	0	3
MAC 121	Introduction to CNC	2	0	0	2
TOTAL CREDIT HOURS IN CERTIFICATE					18

Mechatronics Engineering Technology Degree

(A40350)

The Engineering and Technology curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Course work includes mathematics, natural sciences, engineering sciences and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechatronics Engineering Technology is a course of study that prepares the students to use basic engineering principles and technical skills in developing and testing automated, servomechanical, and other electromechanical systems. Study includes instruction in prototype testing, manufacturing and operational testing, systems analysis and maintenance procedures. Graduates should be qualified for employment in industrial maintenance and manufacturing including assembly, testing, startup, troubleshooting, repair, process improvement, and control systems, and should qualify to sit for Packaging Machinery Manufacturers Institute (PMMI) mechatronics or similar industry examinations.

GENERAL EDUCATION REQUIREMENTS (16 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213)
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (4 SHC)

- Mathematics (MAT 171)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (37 Credit Hours)					
ATR 112	Introduction to Automation	2	3	0	3
CIS 110	Introduction to Computers	2	2	0	3
DFT 151	CAD I	2	3	0	3
ELC 112	DC/AC Electricity	3	6	0	5
ELC 117	Motors and Controls	2	6	0	4
ELC 128	Introduction to PLC	2	3	0	3
ELC 213	Instrumentation	3	2	0	4
HYD 110	Hydraulics/Pneumatics I	2	3	0	3
ISC 112	Industrial Safety	2	0	0	2
MEC 130	Mechanisms	2	2	0	3
PHY 151	College Physics I	3	2	0	4

OTHER MAJOR HOURS (16 Credit Hours)

DFT 154	Intro Solid Modeling	2	3	0	3
MAC 121	Introduction to CNC	2	0	0	2
MAC 122	CNC Turning	1	3	0	2
MEC 151	Mechanical Mfg Systems	1	3	0	2
MEC 180	Engineering Materials	2	3	0	3

Electives (Choose at least 4 Credit Hours)

BPR 111	Print Reading	1	2	0	2
BUS 135	Principles of Supervision	3	0	0	3
BUS 139	Entrepreneurship I	3	0	0	3
CSC 151	JAVA Programming	2	3	0	3
DFT 152	CAD II	2	3	0	3
ELC 215	Electrical Maintenance	2	3	0	3
ELN 131	Analog Electronics I	3	3	0	4
ELN 133	Digital Electronics	3	3	0	4
ISC 132	Mfg Quality Control	2	3	0	3
MAC 114	Intro to Metrology	2	0	0	2
MAC 132	Blueprint Reading/Mach II	1	2	0	2
MEC 260	Fundamentals of Machine Design	2	3	0	3
NET 125	Networking Basics	1	4	0	3
WBL 110	World of Work	1	0	0	1
WBL 111	Work-Based Learning I	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1
WLD 112	Basic Welding Processes	1	3	0	2

TOTAL CREDIT HOURS IN DEGREE **69**

Medical Assisting Degree (A45400)

Note: Program requirements will change effective Spring 2016

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, 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.

The SPCC Medical Assisting Diploma program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon the recommendation of the Medical Assisting Education Review Board (MAERB). Contact the Commission on Accreditation of Allied Health Education Programs, www.caahep.org, 1361 Park Street, Clearwater, FL 33756, phone 727-210-2350, for questions about the accreditation.

The Medical Assisting program is a 1 + 1 diploma/degree option. In order to progress into the Associate in Applied Science degree, students must have successfully completed the diploma option with a 3.0 GPA.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213)
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC)

- Psychology (PSY 150)

Natural Sciences/Mathematics (3 SHC)

- Biology (BIO 271)

MAJOR HOURS - CORE COURSES (33 Credit Hours)

		Class	Lab	Clinic/Exp	Credit
BIO 163	Basic Anatomy & Physiology	4	2	0	5
MED 110	Orientation to Medical Assisting	1	0	0	1
MED 118	Medical Law and Ethics	2	0	0	2
MED 121	Medical Terminology I	3	0	0	3
MED 122	Medical Terminology II	3	0	0	3
MED 130	Administrative Office Procedures I	1	2	0	2
MED 131	Administrative Office Procedures II	1	2	0	2
MED 140	Exam Room Procedures I	3	4	0	5
MED 150	Laboratory Procedures I	3	4	0	5
MED 260	MED Clinical Practicum	0	0	15	5

OTHER MAJOR HOURS (20 Credit Hours)

CIS 110	Introduction to Computers	2	2	0	3
MED 183	Electronic Medical Records I	3	2	3	5

MED 184	Electronic Medical Records II	2	3	3	4
MED 264	Medical Assisting Overview	2	0	0	2
MED 240	Exam Room Procedures II	3	4	0	5
Electives (Choose at least 1 Credit Hour)					
BUS 137	Principles of Management	3	0	0	3
OST 131	Keyboarding	1	2	0	2
WBL 111	Work-Based Learning I	0	0	10	1
TOTAL CREDIT HOURS IN DEGREE					68

Medical Assisting Diploma

(D45400)

Note: Program requirements will change effective Spring 2016

The Medical Assisting program is a 1 + 1 diploma/degree option. In order to progress into the Associate in Applied Science degree, students must have successfully completed the diploma option with a 3.0 GPA.

GENERAL EDUCATION REQUIREMENTS (6 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (30 Credit Hours)					
BIO 163	Basic Anatomy & Physiology	4	2	0	5
MED 110	Orientation to Medical Assisting	1	0	0	1
MED 118	Medical Law and Ethics	2	0	0	2
MED 121	Medical Terminology I	3	0	0	3
MED 130	Administrative Office Procedures I	1	2	0	2
MED 131	Administrative Office Procedures II	1	2	0	2
MED 140	Exam Room Procedures I	3	4	0	5
MED 150	Laboratory Procedures I	3	4	0	5
MED 260	MED Clinical Practicum	0	0	15	5
OTHER MAJOR HOURS (10 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
MED 240	Exam Room Procedures II	3	4	0	5
MED 264	Medical Assisting Overview	2	0	0	2
TOTAL CREDIT HOURS IN DIPLOMA					46

Medical Assisting - Medical Laboratory Assistant (MLA) Certificate

(C45400A)

Note: Program requirements will change effective Spring 2016

		Class	Lab	Clinic/Exp	Credit
MED 110	Orientation to Medical Assisting	1	0	0	1
MED 118	Medical Law and Ethics	2	0	0	2
MED 121	Medical Terminology I	3	0	0	3
MED 130	Administrative Office Procedures I	1	2	0	2
MED 131	Administrative Office Procedures II	1	2	0	2
MED 150	Laboratory Procedures I	3	4	0	5
WBL 111	Work-Based Learning I	0	0	10	1
TOTAL CREDIT HOURS IN CERTIFICATE					16

Medical Assisting Degree (A45400)

Program Effective Spring 2016

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213)
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC)

- Psychology (PSY 150)

Natural Sciences/Mathematics (3 SHC)

- Biology (BIO 271)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (33 Credit Hours)					
BIO 163	Basic Anatomy & Physiology	4	2	0	5
MED 110	Orientation to Medical Assisting	1	0	0	1
MED 118	Medical Law and Ethics	2	0	0	2
MED 121	Medical Terminology I	3	0	0	3
MED 122	Medical Terminology II	3	0	0	3
MED 130	Administrative Office Procedures I	1	2	0	2
MED 131	Administrative Office Procedures II	1	2	0	2
MED 140	Exam Room Procedures I	3	4	0	5
MED 150	Laboratory Procedures I	3	4	0	5
MED 260	MED Clinical Practicum	0	0	15	5
OTHER MAJOR HOURS (20 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
MED 136	Preventive Health	2	0	0	2
MED 138	Infection/Hazard Control	2	0	0	2
MED 230	Admin Office Proc III	1	2	0	2
MED 264	Medical Assisting Overview	2	0	0	2
MED 270	Symptomatology	2	2	0	3
MED 272	Drug Therapy	3	0	0	3
Electives (Choose at least 3 Credit Hours)					
BUS 137	Principles of Management	3	0	0	3
BUS 152	Human Relations	3	0	0	3
OST 148	Med Coding Billing & Insurance	3	0	0	3
WBL 111	Work-Based Learning I	0	0	10	1
TOTAL CREDIT HOURS IN DEGREE					68

Medical Assisting Diploma (D45400)

Program Effective Spring 2016

The Medical Assisting program is a 1 + 1 diploma/degree option. In order to progress into the Associate in Applied Science degree, students must have successfully completed the diploma option with a 3.0 GPA.

GENERAL EDUCATION REQUIREMENTS (6 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (30 Credit Hours)					
BIO 163	Basic Anatomy & Physiology	4	2	0	5
MED 110	Orientation to Medical Assisting	1	0	0	1
MED 118	Medical Law and Ethics	2	0	0	2
MED 121	Medical Terminology I	3	0	0	3
MED 130	Administrative Office Procedures I	1	2	0	2
MED 131	Administrative Office Procedures II	1	2	0	2
MED 140	Exam Room Procedures I	3	4	0	5
MED 150	Laboratory Procedures I	3	4	0	5
MED 260	MED Clinical Practicum	0	0	15	5
OTHER MAJOR HOURS (10 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
MED 138	Infection/Hazard Control	2	0	0	2
MED 264	Medical Assisting Overview	2	0	0	2
MED 270	Symptomatology	2	2	0	3
TOTAL CREDIT HOURS IN DIPLOMA					46

Medical Assisting - Medical Laboratory Assistant (MLA) Certificate (C45400A)

Program Effective Spring 2016

		Class	Lab	Clinic/Exp	Credit
MED 110	Orientation to Medical Assisting	1	0	0	1
MED 118	Medical Law and Ethics	2	0	0	2
MED 121	Medical Terminology I	3	0	0	3
MED 130	Administrative Office Procedures I	1	2	0	2
MED 138	Infection/Hazard Control	2	0	0	2
MED 150	Laboratory Procedures I	3	4	0	5
WBL 111	Work-Based Learning I	0	0	10	1
TOTAL CREDIT HOURS IN CERTIFICATE					16

Medical Office Administration Degree

(A25310)

This curriculum prepares individuals for employment in medical and other health-care related offices.

Course work will include medical terminology; information systems; office management; medical coding, billing, and insurance; legal and ethical issues; and formatting and word processing. Students will learn administrative and support functions and develop skills applicable in medical environments.

Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other health-care related organizations.

GENERAL EDUCATION REQUIREMENTS (17 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213))
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (5 SHC)

- Biology (BIO 163)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (29 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
MED 121	Medical Terminology I	3	0	0	3
MED 122	Medical Terminology II	3	0	0	3
OST 131	Keyboarding	1	2	0	2
OST 134	Text Entry & Formatting	2	2	0	3
OST 148	Medical Coding, Billing, & Insurance	3	0	0	3
OST 149	Medical Legal Issues	3	0	0	3
OST 164	Text Editing Applications	3	0	0	3
OST 243	Medical Office Simulation	2	2	0	3
OST 281	Emer Issues in Med Ofc	3	0	0	3
OTHER MAJOR HOURS (20 Credit Hours)					
ACC 120	Principles of Financial Accounting	3	2	0	4
BUS 121	Business Math	2	2	0	3
OST 184	Records Management	2	2	0	3
OST 286	Professional Development	3	0	0	3
WBL 111	Work-Based Learning I	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1

Electives (Choose at least 5 Credit Hours)

BIO 271	Pathophysiology	3	0	0	3
CTS 120	Hardware/Software Support	2	3	0	3
DBA 110	Database Concepts	2	3	0	3
HIT 211	ICD Coding	2	6	0	4
HIT 214	CPT/Other Coding Systems	1	3	0	2
MED 130	Administrative Office Procedures I	1	2	0	2
MED 131	Administrative Office Procedures II	1	2	0	2
NET 125	Networking Basics	1	4	0	3
OST 136	Word Processing	2	2	0	3
OST 236	Advanced Word/Information Processing	2	2	0	3
OST 241	Medical Office Transcription I	1	2	0	2
OST 242	Medical Office Transcription II	1	2	0	2
OST 247	Procedure Coding	1	2	0	2
OST 248	Diagnostic Coding	1	2	0	2
OST 249	CPC Certification	3	2	0	4
OST 250	Long Term Care Coding	1	2	0	2
SPA 120	Spanish for the Workplace	3	0	0	3
WBL 121	Work-Based Learning II	0	0	10	1

TOTAL CREDIT HOURS IN DEGREE66

Medical Office Administration - Medical Insurance Coding Diploma

(D25310)

GENERAL EDUCATION REQUIREMENTS (8 Credit Hours)

Communications (3 SHC)

- English Composition (ENG 111)

Natural Sciences/Mathematics (5 SHC)

- Biology (BIO 163)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (29 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
MED 121	Medical Terminology I	3	0	0	3
MED 122	Medical Terminology II	3	0	0	3
OST 131	Keyboarding	1	2	0	2
OST 134	Text Entry and Formatting	2	2	0	3
OST 148	Medical Coding, Billing, & Insurance	3	0	0	3
OST 149	Medical Legal Issues	3	0	0	3
OST 164	Text Editing Applications	3	0	0	3
OST 243	Medical Office Simulation	2	2	0	3
OST 281	Emer Issues in Med Ofc	3	0	0	3

OTHER MAJOR HOURS (6 Credit Hours)

BIO 271	Pathophysiology	3	0	0	3
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Electives (Choose at least 3 Credit Hours)

HIT 211	ICD Coding	2	6	0	4
HIT 214	CPT/Other Coding Systems	1	3	0	2
MED 130	Administrative Office Procedures I	1	2	0	2
MED 131	Administrative Office Procedures II	1	2	0	2
OST 247	Procedure Coding	1	2	0	2

OST 248	Diagnostic Coding	1	2	0	2
OST 249	CPC Certification	3	2	0	4
WBL 115	Work-Based Learning Seminar I	1	0	0	1
WBL 121	Work-Based Learning II	0	0	10	1
TOTAL CREDIT HOURS IN DIPLOMA					43

Medical Office Administration Certificate

(C25310)

		Class	Lab	Clinic/Exp	Credit
CIS 110	Introduction to Computers	2	2	0	3
MED 121	Medical Terminology I	3	0	0	3
MED 122	Medical Terminology II	3	0	0	3
OST 131	Keyboarding	1	2	0	2
OST 148	Medical Coding, Billing, & Insurance	3	0	0	3
OST 243	Medical Office Simulation	2	2	0	3
TOTAL CREDIT HOURS IN CERTIFICATE					17

Medical Office Administration - Healthcare Technology Certificate

(C25310H)

		Class	Lab	Clinic/Exp	Credit
CIS 110	Introduction to Computers	2	2	0	3
CTS 120	Hardware/Software Support	2	3	0	3
DBA 110	Database Concepts	2	3	0	3
NET 125	Networking Basics	1	4	0	3
OST 148	Medical Coding, Billing, & Insurance	3	0	0	3
OST 243	Medical Office Simulation	2	2	0	3
TOTAL CREDIT HOURS IN CERTIFICATE					18

Medical Sonography Degree (A45440)

The Medical Sonography curriculum provides knowledge and clinical skills in the application of high frequency sound waves to image internal body structures.

Course work includes physics, cross-sectional anatomy, abdominal, introductory vascular, and obstetrical/gynecological sonography. Competencies are attained in identification of normal anatomy and pathological processes, use of equipment, fetal growth and development, integration of related imaging, and patient interaction skills.

Graduates of accredited programs may be eligible to take examinations in ultrasound physics and instrumentation and specialty examinations administered by the American Registry of Diagnostic Medical Sonographers and find employment in clinics, physicians' offices, mobile services, hospitals, and educational institutions.

The SPCC Medical Sonography Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon the recommendation of the Joint Review Committee for Diagnostic Medical Sonography (JRCDS). Contact the Commission on Accreditation of Allied Health Education Programs, www.caahep.org, 1361 Park Street, Clearwater, FL 33756, or call 727-210-2350 for questions about the accreditation.

GENERAL EDUCATION REQUIREMENTS (16 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213))
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (4 SHC) Choose one course:

- Mathematics (MAT 152, MAT 171)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (54 Credit Hours)					
BIO 163	Basic Anatomy & Physiology	4	2	0	5
SON 110	Introduction to Sonography	1	3	3	3
SON 111	Sonographic Physics	3	3	0	4
SON 120	SON Clinical Education I	0	0	15	5
SON 121	SON Clinical Education II	0	0	15	5
SON 130	Abdominal Sonography I	2	3	0	3
SON 131	Abdominal Sonography II	1	3	0	2
SON 140	Gynecologic Sonography	2	0	0	2
SON 220	SON Clinical Education III	0	0	24	8
SON 221	SON Clinical Education IV	0	0	24	8
SON 225	Case Studies	0	3	0	1

SON 241	Obstetrical Sonography I	2	0	0	2
SON 242	Obstetrical Sonography II	2	0	0	2
SON 250	Vascular Sonography	1	3	0	2
SON 289	Sonographic Topics	2	0	0	2
OTHER MAJOR HOURS (6 Credit Hours)					
PHY 110	Conceptual Physics <i>and</i>	3	0	0	3
PHY 110A	Conceptual Physics Lab	0	2	0	1
SON 276	Fetal Echocardiology	1	0	0	1
SON 278	Embryology in Sonography	1	0	0	1
TOTAL CREDIT HOURS IN DEGREE					76

Musculoskeletal Sonography (Certificate)

(C45850)

Available Spring 2016

The Musculoskeletal Sonography curriculum provides sonographers the didactic and clinical experience necessary to perform entry level musculoskeletal (MSK) sonography.

Course work includes introduction to normal and abnormal anatomy and physiology of the upper and lower musculoskeletal system using state-of-the-art equipment.

Graduates may be eligible to apply to the American Registry of Diagnostic Medical Sonography (ARDMS) for national registry in Musculoskeletal Sonography. Graduates may find employment in clinics, hospitals, physicians' offices, mobile services, and educational institutions.

Individuals entering this curriculum must be registered or registry-eligible for the American Registry of Diagnostic Medical Sonography (ARDMS) or American Registry for Radiologic Technology (ARRT) exam for sonography.

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (16 Credit Hours)					
MSK 110	Musculoskeletal Sonography I	2	2	3	4
MSK 111	Musculoskeletal Sonography II	1	2	3	4
MSK 112	Musculoskeletal Sonography III	2	2	0	3
MSK 189	Musculoskeletal Topics	2	0	0	2
SON 111	Sonographic Physics	3	3	0	4
TOTAL CREDIT HOURS IN CERTIFICATE.....					16

Nurse Aide (Certificate)

(C45840)

Available Fall 2016

The Nurse Aide curriculum prepares individuals to work under the supervision of licensed nursing professionals in performing nursing care and services for persons of all ages.

Topics include growth and development, 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.

Upon completion, the student may be eligible for listing as a Nurse Aide I and other selected Nurse Aide registries as determined by the local program of study.

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (13 Credit Hours)					
NAS 101	Nurse Aide I	3	4	3	6
NAS 102	Nurse Aide II	3	2	6	6
NAS 107	Medication Aide	0	2	0	1
OTHER MAJOR HOURS (3 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
TOTAL CREDIT HOURS IN CERTIFICATE					16

Paralegal Technology Degree

(A25380)

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.

The SPCC Paralegal Technology Program is an institutional member of the American Association for Paralegal Education (AAfPE), www.aafpe.org. Accreditation through AAfPE allows graduates of the degree program to sit for the North Carolina Paralegal Certification Exam.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213))
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Biology (BIO 111, BIO 140, BIO 163, BIO 165)
- Chemistry (CHM 131/CHM 131A, CHM 151)
- Mathematics (MAT 143, MAT 152, MAT 171)
- Physics (PHY 110/PHY 110A)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (23 Credit Hours)					
LEX 110	Introduction to Paralegal Study	2	0	0	2
LEX 120	Legal Research/Writing I	2	2	0	3
LEX 130	Civil Injuries	3	0	0	3
LEX 140	Civil Litigation I	3	0	0	3
LEX 150	Commercial Law I	2	2	0	3
LEX 210	Real Property I	3	0	0	3
LEX 240	Family Law	3	0	0	3
LEX 250	Wills, Estates, & Trusts	2	2	0	3
OTHER MAJOR HOURS (26 Credit Hours)					
ACC 120	Principles of Financial Accounting	3	2	0	4
CIS 110	Introduction to Computers	2	2	0	3
CJC 131	Criminal Law	3	0	0	3
LEX 141	Civil Litigation II	2	2	0	3
LEX 211	Real Property II	1	4	0	3
LEX 220	Corporate Law	2	0	0	2
LEX 280	Ethics & Professionalism	2	0	0	2
OST 136	Word Processing	2	2	0	3
Electives (Choose at least 3 Credit Hours)					
ACC 129	Individual Income Taxes	2	2	0	3
CJC 132	Court Procedure & Evidence	3	0	0	3
CJC 231	Constitutional Law	3	0	0	3
WBL 111	Work-Based Learning I	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1
TOTAL CREDIT HOURS IN DEGREE					64

Paralegal Technology Diploma (D25380)

GENERAL EDUCATION REQUIREMENTS (6 Credit Hours)

Communications (3 SHC)

- English Composition (ENG 111)

Social/Behavioral Sciences (3 SHC)

- Psychology (PSY 150)

MAJOR HOURS - CORE COURSES (14 Credit Hours)

		Class	Lab	Clinic/Exp	Credit
LEX 110	Introduction to Paralegal Study	2	0	0	2
LEX 120	Legal Research/Writing I	2	2	0	3
LEX 130	Civil Injuries	3	0	0	3
LEX 140	Civil Litigation I	3	0	0	3
LEX 150	Commercial Law	2	2	0	3

OTHER MAJOR HOURS (17 Credit Hours)

CIS 110	Introduction to Computers	2	2	0	3
LEX 141	Civil Litigation II	2	2	0	3
LEX 280	Ethics & Professionalism	2	0	0	2
OST 136	Word Processing	2	2	0	3

ELECTIVES (Choose at least 6 Credit Hours)

CJC 131	Criminal Law	3	0	0	3
LEX 210	Real Property I	3	0	0	3
LEX 211	Real Property II	1	4	0	3
LEX 220	Corporate Law	2	0	0	2
LEX 240	Family Law	3	0	0	3
LEX 250	Wills, Estates, & Trusts	2	2	0	3

TOTAL CREDIT HOURS IN DIPLOMA 37

Paralegal Technology Certificate (C25380)

		Class	Lab	Clinic/Exp	Credit
LEX 110	Introduction to Paralegal Study	2	0	0	2
LEX 120	Legal Research/Writing I	2	2	0	3
LEX 210	Real Property I	3	0	0	3
LEX 220	Corporate Law	2	0	0	2
LEX 240	Family Law	3	0	0	3
LEX 250	Wills, Estates, & Trusts	2	2	0	3
LEX 280	Ethics & Professionalism	2	0	0	2

TOTAL CREDIT HOURS IN CERTIFICATE 18

Practical Nursing Diploma

(D45660)

The Practical Nursing curriculum provides knowledge and skills to integrate safety and quality into nursing care to meet the needs of the holistic individual 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 safe, individualized nursing care and participation in the interdisciplinary team while employing evidence-based practice, quality improvement, and informatics.

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/long term care/home health facilities, clinics, and physicians' offices.

The SPCC Practical Nursing Diploma Program is approved by the North Carolina Board of Nursing. Contact the Board at P. O. Box 2129, Raleigh, NC 27602-2129, or 4516 Lake Boone Trail, Raleigh, NC 27607, or call 919-782-3211 for questions about the approval.

GENERAL EDUCATION REQUIREMENTS (6 Credit Hours)

Communications (3 SHC)

- English Composition (ENG 111)

Social/Behavioral Sciences (3 SHC)

- Psychology (PSY 150)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (30 Credit Hours)					
NUR 101	Practical Nursing I	7	6	6	11
NUR 102	Practical Nursing II	7	0	9	10
NUR 103	Practical Nursing III	6	0	9	9
OTHER MAJOR HOURS (5 Credit Hours)					
BIO 163	Basic Anatomy and Physiology	4	2	0	5
TOTAL CREDIT HOURS IN DIPLOMA					41

School-Age Education Degree

(A55440)

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 child care programs, before/after-school programs, paraprofessional positions in public/private schools, recreational centers, and other programs that work with school-age populations.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)

- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213))
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)
- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Biology (BIO 111, BIO 140, BIO 163, BIO 165)
- Chemistry (CHM 131/CHM 131A, CHM 151)
- Mathematics (MAT 143, MAT 152, MAT 171)
- Physics (PHY 110/PHY 110A)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (27 Credit Hours)					
EDU 118	Principles and Practices of Instructional Assistant	3	0	0	3
EDU 131	Children, Family, and Community	3	0	0	3
EDU 144	Child Development I	3	0	0	3
EDU 145	Child Development II	3	0	0	3
EDU 163	Classroom Management & Instruction	3	0	0	3
EDU 221	Children with Exceptionalities	3	0	0	3
EDU 271	Educational Technology	2	2	0	3
EDU 285	Internship Experience School-Age	1	9	0	4
EDU 289	Advocacy Issues/School-Age Populations	2	0	0	2
OTHER MAJOR HOURS (27 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
EDU 119	Introduction to Early Childhood Education	4	0	0	4
EDU 146	Child Guidance	3	0	0	3
EDU 153	Health, Safety, & Nutrition	3	0	0	3
EDU 275	Effective Teacher Training	2	0	0	2
EDU 280	Language & Literacy Experiences	3	0	0	3
Electives (Choose at least 9 Credit Hours)					
EDU 154	Social/Emotional/Behavioral Development	3	0	0	3
EDU 157	Active Play	2	2	0	3
EDU 158	Healthy Lifestyles-Youth	3	0	0	3
EDU 161	Introduction to Exceptional Children	3	0	0	3
EDU 222	Learners with Behavioral Disorders	3	0	0	3
EDU 223	Specific Learning Disabilities	3	0	0	3
EDU 235	School-Age Development and Program	3	0	0	3
EDU 243	Learning Theory	3	0	0	3
EDU 244	Human Growth/Development	3	0	0	3
EDU 245	Policies and Procedures	3	0	0	3
EDU 247	Sensory and Physical Disabilities	3	0	0	3
EDU 248	Developmental Delays	3	0	0	3
EDU 250	PRAXIS I Preparation	1	0	0	1
EDU 251	Exploration Activities	3	0	0	3

TOTAL CREDIT HOURS IN DEGREE 69

School-Age Education Diploma

(D55440)

GENERAL EDUCATION REQUIREMENTS (6 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (25 Credit Hours)					
EDU 118	Principles and Practices of Instructional Assistant	3	0	0	3
EDU 131	Children, Family, & Community	3	0	0	3
EDU 144	Child Development I	3	0	0	3
EDU 145	Child Development II	3	0	0	3
EDU 163	Classroom Management and Instruction	3	0	0	3
EDU 221	Children with Exceptionalities	3	0	0	3
EDU 271	Educational Technology	2	2	0	3
EDU 285	Internship Experience School-Age	1	9	0	4
OTHER MAJOR HOURS (12 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
EDU 146	Child Guidance	3	0	0	3
EDU 153	Health, Safety, & Nutrition	3	0	0	3
Electives (Choose at least 3 Credit Hours)					
EDU 119	Introduction to Early Childhood Educations	4	0	0	4
EDU 154	Social/Emotional/Behavioral Development	3	0	0	3
EDU 222	Learners with Behavioral Disorders	3	0	0	3
EDU 235	School-Age Development and Program	3	0	0	3
TOTAL CREDIT HOURS IN DIPLOMA					43

School-Age Education Certificate

(C55440A)

		Class	Lab	Clinic/Exp	Credit
EDU 118	Principles and Practices of Instructional Assistant	3	0	0	3
EDU 119	Introduction to Early Childhood Education	4	0	0	4
EDU 145	Child Development II	3	0	0	3
EDU 157	Active Play	2	2	0	3
EDU 235	School-Age Development and Program	3	0	0	3
EDU 289	Advocacy Issues/School-Age Populations	2	0	0	2
TOTAL CREDIT HOURS IN CERTIFICATE					18

School-Age Education - Special Education Certificate

(C55440B)

		Class	Lab	Clinic/Exp.	Credit
EDU 144	Child Development I	3	0	0	3
EDU 145	Child Development II	3	0	0	3
EDU 154	Social/Emotional/Behavioral Development	3	0	0	3
EDU 221	Children with Exceptionalities	3	0	0	3
Electives (Choose one set of 6 Credit Hours)					
EDU 222	Learners with Behavioral Disorders (and)	3	0	0	3
EDU 223	Specific Learning Disabilities	3	0	0	3

EDU 247	Sensory and Physical Disabilities (and)	3	0	0	3
EDU 248	Developmental Delays	3	0	0	3
TOTAL CREDIT HOURS IN CERTIFICATE					18

School-Age Education - School Age Specialist Certificate
(C55440C)

		Class	Lab	Clinic/Exp	Credit
EDU 118	Principles and Practices of Instructional Assistant	3	0	0	3
EDU 131	Children, Family, & Community	3	0	0	3
EDU 145	Child Development II	3	0	0	3
EDU 158	Healthy Lifestyles-Youth	3	0	0	3
EDU 163	Classroom Management & Instruction	3	0	0	3
EDU 235	School-Age Development and Program	3	0	0	3
TOTAL CREDIT HOURS IN CERTIFICATE					18

Simulation and Game Development Degree
(A25450)

The Simulation and Game Development curriculum provides a broad background in simulation and game development with practical applications in creative arts, visual arts, audio/video technology, creative writing, modeling, design, programming and management.

Students will receive hands-on training in design, 3-D modeling, and programming for the purpose of creating simulations and games.

Graduates should qualify for employment as designers, artists, animators, programmers, testers, quality assurance analysts, engineers and administrators in the entertainment industry, health care, education, corporate training, and government organizations.

Collaborative Program Offered in Cooperation with Central Piedmont Community College

In this Instructional Service Agreement, Central Piedmont Community College will provide the courses labeled (CPCC) in the Simulation and Game Development curriculum. South Piedmont Community College will provide all other courses within the program. Students who successfully complete all requirements of the Simulation and Game Development program will be awarded an Associate in Applied Science degree by Central Piedmont Community College.

GENERAL EDUCATION REQUIREMENTS (18 Credit Hours)

Communications (9 SHC)

- English (ENG 111, ENG 113)
- Communication (Choose one course: COM 110, COM 120)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150)
- Music (MUS 110)
- Philosophy (PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 131, HIS 132)
- Political Science (POL 120)

- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Mathematics (MAT 140, MAT 151, MAT 171/MAT 171A)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (30 Credit Hours)					
SGD 111	Introduction to SGD	2	3	0	3
SGD 112	SGD Design	2	3	0	3
SGD 113	SGD Programming	2	3	0	3
SGD 114	3-D Modeling (CPCC)	2	3	0	3
SGD 116	Graphic Design Tools (CPCC)	2	2	0	3
SGD 212	SGD Design II (CPCC)	2	3	0	3
SGD 213	SGD Programming II (CPCC)	2	3	0	3
SGD 214	3-D Modeling II (CPCC)	2	3	0	3
SGD 232	Survey of Game Engines (CPCC)	3	0	0	3
SGD 289	SGD Project (CPCC)	2	3	0	3
OTHER MAJOR HOURS (21 Credit Hours)					
CSC 151	JAVA Programming	2	3	0	3
WEB 110	Internet/Web Fundamentals	2	2	0	3
WEB 140	Web Development Tools	2	2	0	3
Electives (Choose at least 12 Credit Hours)					
SGD 115	Physically-Based Modeling (CPCC)	2	2	0	3
SGD 117	Art for Games (CPCC)	2	3	0	3
SGD 123	Windows/Console Programming (CPCC)	2	3	0	3
SGD 124	MMO Programming (CPCC)	2	3	0	3
SGD 125	SG Artificial Intelligence (CPCC)	2	3	0	3
SGD 126	SG Engine Design (CPCC)	2	3	0	3
SGD 134	SG Quality Assurance (CPCC)	2	2	0	3
SGD 135	Serious Games (CPCC)	3	0	0	3
SGD 158	SGD Business Management (CPCC)	3	0	0	3
SGD 159	SGD Production Management (CPCC)	3	0	0	3
SGD 161	SG Animation (CPCC)	2	3	0	3
SGD 162	SG 3-D Animation (CPCC)	2	3	0	3
SGD 163	SG Documentation (CPCC)	2	3	0	3
SGD 164	SG Audio/Video (CPCC)	2	3	0	3
SGD 165	SG Character Development (CPCC)	2	3	0	3
SGD 167	SG Ethics (CPCC)	3	0	0	3
SGD 168	Mobile SG Programming I (CPCC)	2	3	0	3
SGD 169	Linux SG Programming (CPCC)	2	3	0	3
SGD 170	Handheld SG Programming (CPCC)	2	3	0	3
SGD 171	Flash SG Programming (CPCC)	2	3	0	3
SGD 172	Virtual SG Environments (CPCC)	2	3	0	3
SGD 173	Lighting/Shading Algorithms (CPCC)	2	3	0	3
SGD 174	SG Level Design (CPCC)	2	3	0	3
SGD 181	Machinima (CPCC)	2	3	0	3
SGD 193	Seminar/Selected Topic (CPCC)				3
SGD 210	3-D Data Capture (CPCC)	2	3	0	3
SGD 215	Adv. Physically-Based Modeling (CPCC)	2	2	0	3
SGD 237	Rigging 3-D Models (CPCC)	2	3	0	3

TOTAL CREDIT HOURS IN DEGREE 67

Therapeutic Massage Degree (A45750)

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.

Courses will include content in normal human anatomy and physiology, therapeutic massage, ethical/legal issues, business practices, nutrition and psychology.

Employment opportunities include hospitals/rehabilitation centers, health departments, home health, medical offices, nursing homes, spas/health/sports clubs, and private practice. Graduates may be eligible to take the Massage and Bodywork Licensing Exam.

The Therapeutic Massage program is a 1 + 1 diploma/degree option. In order to progress into the Associate in Applied Science degree, students must have successfully completed the diploma option with a 3.0 GPA.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213))
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC)

- Psychology (PSY 150)

Natural Sciences/Mathematics (5 SHC)

- Biology (BIO 163)

MAJOR HOURS - CORE COURSES (45 Credit Hours)

		Class	Lab	Clinic/Exp	Credit
BIO 271	Pathophysiology	3	0	0	3
BUS 152	Human Relations	3	0	0	3
MTH 110	Fundamentals of Massage	6	9	3	10
MTH 120	Therapeutic Massage Applications	6	9	3	10
MTH 125	Ethics of Massage	2	0	0	2
MTH 130	Therapeutic Massage Mgmt	2	0	0	2
MTH 210	Adv Skills of Massage	4	9	3	8
MTH 220	Outcome-Based Massage	4	6	3	7

OTHER MAJOR HOURS (4 Credit Hours)

CIS 110	Introduction to Computers	2	2	0	3
MTH 121	Clinical Supplement I	0	0	3	1

TOTAL CREDIT HOURS IN DEGREE 66

Therapeutic Massage Diploma (D45750)

GENERAL EDUCATION REQUIREMENTS (8 Credit Hours)

Communications (3 SHC)

- English Composition (ENG 111)

Natural Sciences/Mathematics (5 SHC)

- Biology (BIO 163)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (27 Credit Hours)					
BIO 271	Pathophysiology	3	0	0	3
MTH 110	Fundamentals of Massage	6	9	3	10
MTH 120	Therapeutic Massage Applications	6	9	3	10
MTH 125	Ethics of Massage	2	0	0	2
MTH 130	Therapeutic Massage Mgmt	2	0	0	2
OTHER MAJOR HOURS (4 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
MTH 121	Clinical Supplement I	0	0	3	1
TOTAL CREDIT HOURS IN DIPLOMA					39

Web Technologies Degree (A25290)

The Web Technologies curriculum prepares graduates for careers in the information technology arena using computers and mobile devices to disseminate and collect information via the Internet.

Course work in this program covers the terminology and use of computers, Internet-ready devices, servers, databases, programming languages, as well as Internet applications, site development and design. Studies will provide opportunity for students to learn related industry standards.

Graduates should qualify for career opportunities as designers, administrators, or developers in the areas of Internet and mobile applications, websites, web services, and related areas of Internet technologies.

GENERAL EDUCATION REQUIREMENTS (15 Credit Hours)

Communications (6 SHC)

- English Composition (ENG 111)
- Communication (Choose one course: COM 110, COM 120, COM 140, COM 231)

Humanities/Fine Arts (3 SHC) Choose one course:

- Art (ART 111, ART 114, ART 115, ART 121, ART 131, ART 171, ART 240, ART 260, ART 271, ART 281, ART 283, ART 288)
- Drama (DRA 111, DRA 112, DRA 115, DRA 120, DRA 122, DRA 126, DRA 130, DRA 211, DRA 212)
- Interdisciplinary Humanities (HUM 120, HUM 130, HUM 150, HUM 220)
- Music (MUS 110, MUS 112, MUS 113, MUS 114, MUS 121, MUS 210, MUS 211, MUS 213)
- Philosophy (PHI 230, PHI 240)
- Religion (REL 110, REL 211, REL 212, REL 221)

Social/Behavioral Sciences (3 SHC) Choose one course:

- Economics (ECO 251, ECO 252)
- Geography (GEO 111)
- History (HIS 111, HIS 112, HIS 131, HIS 132, HIS 221, HIS 236)
- Political Science (POL 110, POL 120, POL 210, POL 220)

- Psychology (PSY 150)
- Sociology (SOC 210, SOC 213, SOC 220, SOC 225, SOC 230, SOC 234, SOC 240, SOC 242, SOC 244)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Biology (BIO 111, BIO 140, BIO 163, BIO 165)
- Chemistry (CHM 131/CHM 131A, CHM 151)
- Mathematics (MAT 143, MAT 152, MAT 171)
- Physics (PHY 110/PHY 110A)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (36 Credit Hours)					
BUS 110	Introduction to Business	3	0	0	3
CIS 115	Introduction to Programming and Logic	2	3	0	3
DBA 110	Database Concepts	2	3	0	3
WEB 110	Internet/Web Fundamentals	2	2	0	3
WEB 115	Web Markup and Scripting	2	2	0	3
WEB 120	Introduction Internet Multimedia	2	2	0	3
WEB 140	Web Development Tools	2	2	0	3
WEB 210	Web Design	2	2	0	3
WEB 214	Social Media	2	2	0	3
WEB 250	Database Driven Websites	2	2	0	3
WEB 289	Internet Technologies Project	1	4	0	3
SEC 110	Security Concepts	2	2	0	3
OTHER MAJOR HOURS (14 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
CSC 151	JAVA Programming	2	3	0	3
GRD 151	Computer Design Basics	1	4	0	3
GRD 275	Animation I	1	3	0	2
Electives (Choose at least 3 Credit Hours)					
BUS 280	REAL Small Business	4	0	0	4
GRD 271	Multimedia Design I	1	3	0	2
GRD 272	Multimedia Design II	1	3	0	2
NET 125	Networking Basics	1	4	0	3
NOS 110	Operating System Concepts	2	3	0	3
SGD 111	Introduction to SGD	2	3	0	3
SGD 112	SGD Design	2	3	0	3
SGD 113	SGD Programming	2	3	0	3
WBL 110	World of Work	1	0	0	1
WBL 111	Work-Based Learning I	0	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	0	1
TOTAL CREDIT HOURS IN DEGREE					65

Welding Technology Diploma (D50420)

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metalworking industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses may include math, print reading, metallurgy, welding inspection, and destructive and non-destructive testing providing the student with industry-standard skills developed through classroom training and practical application.

Graduates of the Welding Technology curriculum 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.

GENERAL EDUCATION REQUIREMENTS (6 Credit Hours)

Communications (3 SHC)

- English Composition (ENG 111)

Natural Sciences/Mathematics (3 SHC) Choose one course:

- Mathematics (MAT 143, MAT 171)

		Class	Lab	Clinic/Exp	Credit
MAJOR HOURS - CORE COURSES (18 Credit Hours)					
WLD 110	Cutting Processes	1	3	0	2
WLD 115	SMAW (Stick) Plate	2	9	0	5
WLD 121	GMAW (MIG) FCAW/Plate	2	6	0	4
WLD 131	GTAW (TIG) Plate	2	6	0	4
WLD 141	Symbols & Specifications	2	2	0	3
OTHER MAJOR HOURS (16 Credit Hours)					
CIS 110	Introduction to Computers	2	2	0	3
WLD 116	SMAW (Stick) Plate/Pipe	1	9	0	4
WLD 132	GTAW (TIG) Plate/Pipe	1	6	0	3
WLD 151	Fabrication I	2	6	0	4
WLD 261	Certification Practices	1	3	0	2
TOTAL CREDIT HOURS IN DIPLOMA					40