
CURRICULA

**ASSOCIATE IN ARTS
A10100**

This program is designed for students who intend to transfer courses or the degree in its entirety to a four-year college or university in pursuit of a Bachelor of Arts degree.

GENERAL EDUCATION CORE (44 SHC)*

The general education core includes study in the areas of humanities and fine arts, social and behavioral sciences, natural sciences and mathematics, and English composition. The curriculum provides opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and the basic use of computers.

English Composition (6 SHC)

Humanities/Fine Arts (12 SHC)

Select **four** courses from at least **three** of the following discipline areas: art, communication, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. **At least one course must be a literature course and one course must be a COM course.**

Social/Behavioral Sciences (12 SHC)

Select **four** courses from at least **three** of the following discipline areas: anthropology, economics, geography, history, political science, psychology, and sociology. **At least one course must be a history course.**

Natural Sciences/Mathematics (14 SHC)

Natural Sciences (8 SHC): Two courses, including accompanying laboratory work, from the biological and physical science disciplines are required.

Mathematics (6 SHC): At least one course in introductory mathematics is required, and one course must be CIS 110.

OTHER REQUIRED HOURS (20-21 SHC)

Other required hours include additional general education and professional courses from the Comprehensive Articulation Agreement transfer course list.

 COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
General Education Core (44 SHC)			
English Composition (6 SHC)			
ENG 111	Expository Writing	3	0 3
ENG 113	Literature-Based Research	3	0 3
or			
ENG 114	Professional Research and Reporting	3	0 3
Humanities/Fine Arts (12 SHC)			
<i>(Select four courses from at least three of the following discipline areas: art, communication, foreign languages, interdisciplinary humanities, music, literature, philosophy, and religion. At least one course must be a literature course and, one course must be a COM course.)</i>			
ART 111	Art Appreciation	3	0 3
ART 114	Art History Survey I	3	0 3
ART 115	Art History Survey II	3	0 3
ART 116	Survey of American Art	3	0 3
COM 110	Introduction to Communication	3	0 3
COM 231	Public Speaking	3	0 3
ENG 231	American Literature I	3	0 3
ENG 232	American Literature II	3	0 3
ENG 241	British Literature I	3	0 3
ENG 242	British Literature II	3	0 3
ENG 261	World Literature I	3	0 3
ENG 262	World Literature II	3	0 3
HUM 211	Humanities I	3	0 3
HUM 212	Humanities II	3	0 3
MUS 110	Music Appreciation	3	0 3
PHI 215	Philosophical Issues	3	0 3
PHI 220	Western Philosophy I	3	0 3
PHI 221	Western Philosophy II	3	0 3
PHI 240	Introduction to Ethics	3	0 3
REL 110	World Religions	3	0 3
REL 111	Eastern Religions	3	0 3
REL 112	Western Religions	3	0 3
REL 211	Introduction to Old Testament	3	0 3
REL 212	Introduction to New Testament	3	0 3
REL 221	Religion in American	3	0 3
SPA 111	Elementary Spanish I	3	0 3
SPA 112	Elementary Spanish II	3	0 3
SPA 211	Intermediate Spanish I	3	0 3
SPA 212	Intermediate Spanish II	3	0 3

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Social/Behavioral Sciences (12 SHC)

(Select **four** courses from at least **three** of the following discipline areas: economics, history, political science, psychology, and sociology. **At least one course must be a history course.**)

		Class	Lab	Credit
ECO 151	Survey of Economics	3	0	3
ECO 251	Principles of Microeconomics	3	0	3
ECO 252	Principles of Macroeconomics	3	0	3
HIS 111	World Civilizations I	3	0	3
HIS 112	World Civilizations II	3	0	3
HIS 121	Western Civilization I	3	0	3
HIS 122	Western Civilization II	3	0	3
HIS 131	American History I	3	0	3
HIS 132	American History II	3	0	3
POL 110	Introduction to Political Science	3	0	3
POL 120	American Government	3	0	3
POL 220	International Relations	3	0	3
PSY 150	General Psychology	3	0	3
PSY 241	Developmental Psychology	3	0	3
PSY 281	Abnormal Psychology	3	0	3
SOC 210	Introduction to Sociology	3	0	3
SOC 213	Sociology of the Family	3	0	3
SOC 220	Social Problems	3	0	3

Natural Sciences/Mathematics (14 SHC)

*Natural Sciences (8 SHC): Select **two** courses, including accompanying laboratory work, from among the biological and physical science disciplines.*

BIO 110	Principles of Biology	3	3	4
BIO 111	General Biology I	3	3	4
BIO 112	General Biology II	3	3	4
BIO 120	Introductory Botany	3	3	4
BIO 130	Introductory Zoology	3	3	4
BIO 140	Environmental Biology	3	0	3
BIO 140A	Environmental Biology Lab	0	3	1
CHM 131	Introduction to Chemistry	3	0	3
CHM 131A	Introduction to Chemistry Lab	0	3	1
CHM 151	General Chemistry I	3	3	4
CHM 152	General Chemistry II	3	3	4

Mathematics (6 SHC): Select at least one course in introductory mathematics; the other course must be CIS 110.

		Class	Lab	Credit
CIS 110	Introduction to Computers	2	2	3
CIS 115	Introduction to Prog & Logic	2	2	3
MAT 140	Survey of Mathematics	3	0	3
MAT 151	Statistics I	3	0	3
MAT 161	College Algebra	3	0	3
MAT 162	College Trigonometry	3	0	3
MAT 171	Precalculus Algebra	3	0	3
MAT 172	Precalculus Trigonometry	3	0	3
MAT 263	Brief Calculus	3	0	3
MAT 271	Calculus I	3	2	4

Other Required Courses *(21 SHC) Select 20 hours from the following list or any of the above listed core courses not used to meet minimum block requirements. Students should consult with their advisor to determine the appropriate elective to complete based upon the requirements of the selected four-year institution and the student's intended major. Student must complete ACA 111.

ACA 111	College Student Success	1	0	1
ACC 120	Principles of Accounting I	3	2	4
ACC 121	Principles of Accounting II	2	4	3
ART 131	Drawing I	0	6	3
ART 240	Painting I	0	6	3
BIO 168	Anatomy and Physiology I	3	3	4
BIO 169	Anatomy and Physiology II	3	3	4
BIO 275	Microbiology	3	3	4
BUS 110	Introduction to Business	3	0	3
BUS 115	Business Law I	3	0	3
CJC 111	Introduction to Criminal Justice	3	0	3
CJC 121	Law Enforcement Operations	3	0	3
CJC 141	Corrections	3	0	3
** EDU 116	Introduction to Education	3	2	4
ENG 274	Literature by Women	3	0	3
HEA 110	Personal Health/Wellness	3	0	3
HIS 221	African-American History	3	0	3
HIS 226	The Civil War	3	0	3
HIS 228	History of the South	3	0	3
HIS 236	North Carolina History	3	0	3
MAT 140A	Survey of Mathematics Lab	0	2	1
MAT 151A	Statistics I Lab	0	2	1
		Class	Lab	Credit

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MAT 161A	College Algebra Lab	0	2	1
MAT 162A	College Trigonometry Lab	0	2	1
MAT 171A	Precalculus Algebra Lab	0	2	1
MAT 172A	Precalculus Trigonometry Lab	0	2	1
MAT 263A	Brief Calculus Lab	0	2	1
PED 110	Fit and Well for Life	1	2	2
PED 111	Physical Fitness I	0	3	1
PED 113	Aerobics I	0	3	1
PED 115	Step Aerobics I	0	3	1
PED 117	Weight Training I	0	3	1
PED 125	Self-Defense Beginning	0	2	1
PED 126	Self-Defense Intermediate	0	2	1
PED 128	Golf-Beginning	0	2	1
PED 130	Tennis-Beginning	0	2	1
PED 132	Racquetball-Beginning	0	2	1
PED 152	Swimming-Beginning	0	2	1
PED 155	Water Aerobics	0	3	1
PED 216	Indoor Cycling	0	3	1
PHS 110	Basic Physical Science	3	2	4
PSY 263	Educational Psychology	3	0	3
SOC 244	Sociology of Death and Dying	3	0	3

Total Semester Credit Hours 66

Approved for Awarding AA

* 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.

** Pre-major credit at select institutions only.

**PRE-MAJOR ASSOCIATE IN ARTS
BUSINESS ADMINISTRATION
A1010B**

This program is designed for students who intend to transfer courses and major in Business Administration. Students who successfully complete this course of study and meet the requirements for admission to a four-year college or university may be eligible to apply for admissions to the major with junior standing.

GENERAL EDUCATION CORE (44 SHC)*

The general education core includes study in the areas of humanities and fine arts, social and behavioral sciences, natural sciences and mathematics, and English composition. The curriculum provides opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and the basic use of computers.

English Composition (6 SHC)

Humanities/Fine Arts (12 SHC)

Select **four** courses from at least **three** of the following discipline areas: music, art, drama, dance, foreign languages, interdisciplinary humanities, literature, philosophy, and religion. **At least one course must be a literature course.**

Social/Behavioral Sciences (12 SHC)

Select **four** courses from at least **three** of the following discipline areas: anthropology, economics, geography, history, political science, psychology, and sociology. **At least one course must be a history course and one course must be ECO 251.**

Natural Sciences/Mathematics (14-16 SHC)

Natural Sciences (8 SHC): Two courses, including accompanying laboratory work, from the biological and physical science disciplines are required.

Mathematics (6-8 SHC): The following courses are required:

Choose One:

MAT 161 College Algebra (3 SHC) or
MAT 171 Pre-Calculus Algebra (3 SHC) or
MAT 175 Pre-Calculus (4 SHC)

Choose One:

MAT 163 Brief Calculus (3 SHC) or
MAT 271 Calculus I (4 SHC)

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OTHER REQUIRED HOURS (20 SHC)

The following course are required (14 SHC):

ACC 120	Principles of Financial Accounting (4 SHC)
ACC 121	Principles of Managerial Accounting (4 SHC)
CIS 110	Introduction to Computers (3 SHC)
ECO 252	Principles of Macroeconomics (3 SHC)

One of the following is required (3 SHC):

BUS 228	Business Statistics (3 SHC) or
MAT 151	Statistics I (3 SHC) or
MAT 155	Statistical Analysis (3 SHC)

Three additional hours of approved college transfer courses are required.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit	
General Education Core (44SHC)				
English Composition (6SHC)				
ENG 111	Expository Writing	3	0	3
ENG 113	Literature-Based Research	3	0	3
or				
ENG 114	Professional Research and Reporting	3	0	3
Humanities/Fine Arts (12SHC)				
<i>Select four courses from at least three of the following discipline areas: music, art, foreign languages, interdisciplinary humanities, literature, philosophy, and religion. At least one course must be a literature course.</i>				
ART 111	Art Appreciation	3	0	3
ART 114	Art History Survey I	3	0	3
ART 115	Art History Survey II	3	0	3
ART 116	Survey of American Art	3	0	3
COM 110	Introduction to Communication	3	0	3
COM 231	Public Speaking	3	0	3
ENG 231	American Literature I	3	0	3
ENG 232	American Literature II	3	0	3
ENG 241	British Literature I	3	0	3
ENG 242	British Literature II	3	0	3
ENG 261	World Literature I	3	0	3
ENG 262	World Literature II	3	0	3
HUM 211	Humanities I	3	0	3
HUM 212	Humanities II	3	0	3
MUS 110	Music Appreciation	3	0	3

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PHI 215	Philosophical Issues	3	0	3
PHI 220	Western Philosophy I	3	0	3
PHI 221	Western Philosophy II	3	0	3
PHI 240	Introduction to Ethics	3	0	3
REL 110	World Religions	3	0	3
REL 111	Eastern Religions	3	0	3
REL 112	Western Religions	3	0	3
REL 211	Introduction to Old Testament	3	0	3
REL 212	Introduction to New Testament	3	0	3
REL 221	Religion in American	3	0	3
SPA 111	Elementary Spanish I	3	0	3
SPA 112	Elementary Spanish II	3	0	3
SPA 211	Intermediate Spanish I	3	0	3
SPA 212	Intermediate Spanish II	3	0	3

Social/Behavioral Sciences (12 SHC)

*Select **four** courses from at least **three** of the following discipline areas: economics, history, political science, psychology, and sociology. **At least one course must be a history course, and one course must be ECO 251.***

		Class	Lab	Credit
ECO 151	Survey of Economics	3	0	3
ECO 251	Principles of Microeconomics	3	0	3
ECO 252	Principles of Macroeconomics	3	0	3
HIS 111	World Civilizations I	3	0	3
HIS 112	World Civilizations II	3	0	3
HIS 121	Western Civilization I	3	0	3
HIS 122	Western Civilization II	3	0	3
HIS 131	American History I	3	0	3
HIS 132	American History II	3	0	3
POL 110	Introduction to Political Science	3	0	3
POL 120	American Government	3	0	3
POL 220	International Relations	3	0	3
PSY 150	General Psychology	3	0	3
PSY 241	Developmental Psychology	3	0	3
PSY 281	Abnormal Psychology	3	0	3
SOC 210	Introduction to Sociology	3	0	3
SOC 213	Sociology of the Family	3	0	3
SOC 220	Social Problems	3	0	3

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Natural Sciences/Mathematics (14 SHC)

Natural Sciences (8 SHC): Select two courses, including accompanying laboratory work, from among the biological and physical science disciplines

BIO 110	Principles of Biology	3	3	4
BIO 111	General Biology I	3	3	4
BIO 112	General Biology II	3	3	4
BIO 120	Introductory Botany	3	3	4
BIO 130	Introductory Zoology	3	3	4
BIO 140	Environmental Biology	3	0	3
BIO 140A	Environmental Biology Lab	0	3	1
CHM 131	Introduction to Chemistry	3	0	3
CHM 131A	Introduction to Chemistry Lab	0	3	1
CHM 151	General Chemistry I	3	3	4
CHM 152	General Chemistry II	3	3	4

Mathematics (6-8 SHC):

The following courses are required:

Choose One:

MAT 161	College Algebra (3 SHC) or
MAT 171	Pre-Calculus Algebra (3 SHC) or
MAT 175	Pre-Calculus (4 SHC)

Choose One:

MAT 163	Brief Calculus (3 SHC) or
MAT 271	Calculus I (4 SHC)

Other Required Courses *(20 SHC)

The following courses are required (14 SHC):

ACC 120	Principles of Financial Accounting (4 SHC)
ACC 121	Principles of Managerial Accounting (4 SHC)
CIS 110	Introduction to Computers (3 SHC)
ECO 252	Principles of Macroeconomics (3 SHC)

One of the following is required (3 SHC):

BUS 228	Business Statistics (3 SHC) or
MAT 151	Statistics I (3 SHC) or
MAT 155	Statistical Analysis (3 SHC)

Three additional hours of approved college transfer courses are required.

Total Semester Hours Credit (SHC) 64-65

Approved for Awarding AA

**PRE-MAJOR ASSOCIATE IN ARTS
BUSINESS EDUCATION AND MARKETING EDUCATION
A1010C**

This program is designed for students who intend to transfer courses and major in Business Education. Students who successfully complete this course of study and meet the requirements for admission to a four-year college or university may be eligible to apply for admissions to the major with junior standing.

GENERAL EDUCATION CORE (44 SHC)*

The general education core includes study in the areas of humanities and fine arts, social and behavioral sciences, natural sciences and mathematics, and English composition. The curriculum provides opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and the basic use of computers.

English Composition (6 SHC)

Humanities/Fine Arts (12 SHC)

Select **four** courses from at least **three** of the following discipline areas: music, art, drama, dance, foreign languages, interdisciplinary humanities, literature, philosophy, and religion. **At least one course must be a literature course.**

Social/Behavioral Sciences (12 SHC)

Select **four** courses from at least **three** of the following discipline areas: anthropology, economics, geography, history, political science, psychology, and sociology. **At least one course must be a history course and one course must be ECO 251.**

Natural Sciences/Mathematics (14-16 SHC)

Natural Sciences (8 SHC): Two courses, including accompanying laboratory work, from the biological and physical science disciplines are required.

Mathematics (6-7 SHC): **The following course is required:**

CIS 110 Introduction to Computers (3 SHC)

One of the following courses is required:

MAT 161 College Algebra (3 SHC) or
MAT 171 Precalculus Algebra (3 SHC) or
MAT 175 Pre-Calculus (4 SHC)

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Other Required Hours (19-21 SHC)

The following course are required (14 SHC):

ACC 120	Principles of Financial Accounting (4 SHC)
ECO 252	Principles of Macroeconomics (3 SHC)

One of the following courses is required (3 SHC):

CIS 115	Intro. to Programming & Logic (3 SHC) or
CSC 134	C++ Programming (3 SHC) or
CSC 148	JAVA Programming (3 SHC)

Nine to ten additional hours of approved college transfer courses are required to total 64 SHC of transferable courses.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit	
General Education Core (44SHC)				
English Composition (6SHC)				
ENG 111	Expository Writing	3	0	3
ENG 113	Literature-Based Research	3	0	3
or				
ENG 114	Professional Research and Reporting	3	0	3
Humanities/Fine Arts (12SHC)				
<i>Select four courses from at least three of the following discipline areas: music, art, foreign languages, interdisciplinary humanities, literature, philosophy, and religion. At least one course must be a literature course.</i>				
ART 111	Art Appreciation	3	0	3
ART 114	Art History Survey I	3	0	3
ART 115	Art History Survey II	3	0	3
ART 116	Survey of American Art	3	0	3
COM 110	Introduction to Communication	3	0	3
COM 231	Public Speaking	3	0	3
ENG 231	American Literature I	3	0	3
ENG 232	American Literature II	3	0	3
ENG 241	British Literature I	3	0	3
ENG 242	British Literature II	3	0	3
ENG 261	World Literature I	3	0	3
ENG 262	World Literature II	3	0	3
HUM 211	Humanities I	3	0	3
HUM 212	Humanities II	3	0	3
MUS 110	Music Appreciation	3	0	3

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PHI 215	Philosophical Issues	3	0	3
PHI 220	Western Philosophy I	3	0	3
PHI 221	Western Philosophy II	3	0	3
PHI 240	Introduction to Ethics	3	0	3
REL 110	World Religions	3	0	3
REL 111	Eastern Religions	3	0	3
REL 112	Western Religions	3	0	3
REL 211	Introduction to Old Testament	3	0	3
REL 212	Introduction to New Testament	3	0	3
REL 221	Religion in American	3	0	3
SPA 111	Elementary Spanish I	3	0	3
SPA 112	Elementary Spanish II	3	0	3
SPA 211	Intermediate Spanish I	3	0	3
SPA 212	Intermediate Spanish II	3	0	3

Social/Behavioral Sciences (12 SHC)

Select **four** courses from at least **three** of the following discipline areas: economics, history, political science, psychology, and sociology. **At least one course must be a history course, and one course must be ECO 251.**

Class		Lab	Credit	
ECO 151	Survey of Economics	3	0	3
ECO 251	Principles of Microeconomics	3	0	3
ECO 252	Principles of Macroeconomics	3	0	3
HIS 111	World Civilizations I	3	0	3
HIS 112	World Civilizations II	3	0	3
HIS 121	Western Civilization I	3	0	3
HIS 122	Western Civilization II	3	0	3
HIS 131	American History I	3	0	3
HIS 132	American History II	3	0	3
POL 110	Introduction to Political Science	3	0	3
POL 120	American Government	3	0	3
POL 220	International Relations	3	0	3
PSY 150	General Psychology	3	0	3
PSY 241	Developmental Psychology	3	0	3
PSY 281	Abnormal Psychology	3	0	3
SOC 210	Introduction to Sociology	3	0	3
SOC 213	Sociology of the Family	3	0	3
SOC 220	Social Problems	3	0	3

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Natural Sciences/Mathematics (14 SHC)

Natural Sciences (8 SHC): Select two courses, including accompanying laboratory work, from among the biological and physical science disciplines

BIO 110	Principles of Biology	3	3	4
BIO 111	General Biology I	3	3	4
BIO 112	General Biology II	3	3	4
BIO 120	Introductory Botany	3	3	4
BIO 130	Introductory Zoology	3	3	4
BIO 140	Environmental Biology	3	0	3
BIO 140A	Environmental Biology Lab	0	3	1
CHM 131	Introduction to Chemistry	3	0	3
CHM 131A	Introduction to Chemistry Lab	0	3	1
CHM 151	General Chemistry I	3	3	4
CHM 152	General Chemistry II	3	3	4

Mathematics (6-7 SHC):

The following course is required:

CIS 110 Introduction to Computers (3 SHC)

One of the following courses is required:

MAT 161 College Algebra (3 SHC) or
MAT 171 Pre-Calculus Algebra (3 SHC) or
MAT 175 Pre-Calculus (4 SHC)
Choose One:
MAT 163 Brief Calculus (3 SHC) or
MAT 271 Calculus I (4 SHC)

Other Required Courses (19-21 SHC)

The following courses are required (14 SHC):

ACC 120 Principles of Financial Accounting (4 SHC)
ECO 252 Principles of Macroeconomics (3 SHC)

One of the following courses is required (3 SHC):

CIS 115 Intro. to Programming & Logic (3 SHC) or
CSC 134 C+++ Programming (3 SHC) or
CSC 148 JAVA Programming (3 SHC)

Nine to ten additional hours of approved college transfer courses are required to total 64 SHC of transferable courses.

Total Semester Hours Credit (SHC) in Program 64-65

Approved for Awarding AA

ASSOCIATE IN GENERAL EDUCATION 99

ASSOCIATE IN GENERAL EDUCATION
A10300

This program is designed principally for students who desire two years of general education beyond the high school level.

The general education core includes study in the areas of humanities and fine arts, social and behavioral sciences, natural sciences and mathematics, and English/communications. The curriculum includes opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and the basic use of computers.

English/Communications (6 SHC)

Humanities/Fine Arts (3 SHC)

Select courses from the following discipline areas: art, foreign languages, interdisciplinary humanities, literature, music, philosophy and religion.

Social/Behavioral Sciences (3 SHC)

Select courses from the following discipline areas: economics, history, political science, psychology and sociology.

Natural Sciences/Mathematics (3 SHC)

Mathematics

Select courses from the following discipline areas: college algebra, trigonometry, calculus, computer science, and statistics.

or

Natural Sciences

Select courses from the following discipline areas: astronomy, biology, chemistry, earth sciences, physics, and/or general science.

OTHER REQUIRED HOURS (49-50 SHC)

Other required hours include additional general education and professional courses. A maximum of 7 SHC in health, physical education, college orientation, and/or study skills may be included as other required hours, one hour of which must be ACA 111, College Student Success. Three semester hours (3 SHC) must be CIS 110 and three semester hours (3 SHC) must be COM 231.

TOTAL HOURS

65

**ASSOCIATE IN SCIENCE
A10400**

This program is designed for students who intend to transfer courses or the degree in its entirety to a four-year college or university in pursuit of a Bachelor of Science degree.

GENERAL EDUCATION CORE (44 SHC)*

The general education core includes study in the areas of humanities and fine arts, social and behavioral sciences, natural sciences and mathematics, and English composition. The curriculum provides opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and the basic use of computers.

English Composition (6 SHC)

Humanities/Fine Arts (9 SHC)

Select **three** courses from at least **three** of the following discipline areas: art, communication, foreign languages, interdisciplinary humanities, music, literature, philosophy, and religion. **At least one course must be a literature course and one course must be a COM course.**

Social/Behavioral Sciences (9 SHC)

Select **three** courses from at least **three** of the following discipline areas: anthropology, economics, geography, history, political science, psychology, and sociology. **At least one course must be a history course.**

Natural Sciences/Mathematics (20 SHC)

Natural Sciences (8 SHC minimum): A two-course sequence in general biology, general chemistry or general physics is required.

Mathematics (6 SHC minimum): At least one course in mathematics at the precalculus algebra level (MAT 171) or above is required, and one course must be CIS 110. Other units may be selected from higher level mathematics or from among other quantitative subjects, such as computer science and statistics.

OTHER REQUIRED HOURS (20-21 SHC)

An additional 14 SHC minimum in mathematics, natural sciences, and computer science. The remaining hours may be selected from elective transfer courses.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
General Education Core (44 SHC)*			
English Composition (6 SHC)			
ENG 111 Expository Writing	3	0	3
ENG 113 Literature-Based Research	3	0	3
or			
ENG 114 Professional Research & Reporting	3	0	3
Humanities/Fine Arts (9 SHC)			
<i>(Select three courses from at least three of the following discipline areas: art, communication, foreign languages, interdisciplinary humanities, music, literature, philosophy, and religion. At least one course must be a literature course, and one course must be a COM course.)</i>			
ART 111 Art Appreciation	3	0	3
ART 114 Art History Survey I	3	0	3
ART 115 Art History Survey II	3	0	3
ART 116 Survey of American Art	3	0	3
COM 110 Introduction to Communication	3	0	3
COM 231 Public Speaking	3	0	3
ENG 231 American Literature I	3	0	3
ENG 232 American Literature II	3	0	3
ENG 241 British Literature I	3	0	3
ENG 242 British Literature II	3	0	3
ENG 261 World Literature I	3	0	3
ENG 262 World Literature II	3	0	3
HUM 211 Humanities I	3	0	3
HUM 212 Humanities II	3	0	3
MUS 110 Music Appreciation	3	0	3
PHI 215 Philosophical Issues	3	0	3
PHI 220 Western Philosophy I	3	0	3
PHI 221 Western Philosophy II	3	0	3
PHI 240 Introduction to Ethics	3	0	3
REL 110 World Religions	3	0	3
REL 111 Eastern Religions	3	0	3
REL 112 Western Religions	3	0	3
REL 211 Introduction to Old Testament	3	0	3
REL 212 Introduction to New Testament	3	0	3
REL 221 Religion in America	3	0	3
SPA 111 Elementary Spanish I	3	0	3
SPA 112 Elementary Spanish II	3	0	3
SPA 211 Intermediate Spanish I	3	0	3
SPA 212 Intermediate Spanish II	3	0	3

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Social/Behavioral Sciences (9 SHC)

(Select **three** courses from at least **three** of the following discipline areas: economics, history, political science, psychology, and sociology. **At least one course must be a history course.**)

		Class	Lab	Credit
ECO 151	Survey of Economics	3	0	3
ECO 251	Principles of Microeconomics	3	0	3
ECO 252	Principles of Macroeconomics	3	0	3
HIS 111	World Civilizations I	3	0	3
HIS 112	World Civilizations II	3	0	3
HIS 121	Western Civilization I	3	0	3
HIS 122	Western Civilization II	3	0	3
HIS 131	American History I	3	0	3
HIS 132	American History II	3	0	3
POL 110	Introduction to Political Science	3	0	3
POL 120	American Government	3	0	3
POL 220	International Relations	3	0	3
PSY 150	General Psychology	3	0	3
PSY 241	Developmental Psychology	3	0	3
PSY 281	Abnormal Psychology	3	0	3
SOC 210	Introduction to Sociology	3	0	3
SOC 213	Sociology of the Family	3	0	3
SOC 220	Social Problems	3	0	3

NATURAL SCIENCES/MATHEMATICS (20 SHC)

Natural Sciences (8 SHC minimum): Select a **two**-course sequence in general biology, general chemistry or general physics.

BIO 111	General Biology I	3	3	4
BIO 112	General Biology II	3	3	4
CHM 151	General Chemistry I	3	3	4
CHM 152	General Chemistry II	3	3	4

Mathematics (6 SHC minimum): Select at least **one** course in mathematics at the precalculus algebra level (MAT 171) or above; one course must be CIS 110. Other units may be selected from higher level mathematics or from among other quantitative subjects, such as computer science and statistics.

CIS 110	Introduction to Computers	2	2	3
CIS 115	Introduction to Prog and Logic	2	2	3
MAT 151	Statistics I	3	0	3
MAT 171	Precalculus Algebra	3	0	3
MAT 172	Precalculus Trigonometry	3	0	3
MAT 263	Brief Calculus	3	0	3
MAT 271	Calculus I	3	2	4

OTHER REQUIRED HOURS (21 SHC)

Other required hours must include ACA 111 and an additional 14 SHC in mathematics, natural sciences, computer sciences, and/or other pre-major courses. The remaining six hours may be selected from the following list or from any of the above listed core courses not used to meet minimum block requirements. Students should consult with their advisor to determine the appropriate elective to complete based upon the requirements of the selected four-year institution and the student's intended major.

ACA 111	College Student Success	1	0	1
ACC 120	Principles of Accounting I	3	2	4
ACC 121	Principles of Accounting II	3	2	4
ART 131	Drawing I	0	6	3
ART 240	Painting I	0	6	3
BIO 110	Principles of Biology	3	3	4
BIO 120	Introductory Botany	3	3	4
BIO 130	Introductory Zoology	3	3	4
BIO 140	Environmental Biology	3	0	3
BIO 140A	Environmental Biology Lab	0	3	1
BIO 168	Anatomy and Physiology I	3	3	4
BIO 169	Anatomy and Physiology II	3	3	4
BIO 275	Microbiology	3	3	4
CHM 131	Introduction to Chemistry	3	0	3
CHM 131A	Introduction to Chemistry Lab	0	3	1
BUS 110	Introduction to Business	3	0	3
BUS 115	Business Law I	3	0	3
CJC 111	Introduction to Criminal Justice	3	0	3
CJC 121	Law Enforcement Operations	3	0	3
CJC 141	Corrections	3	0	3
** EDU 116	Introduction to Education	3	2	4
ENG 274	Literature by Women	3	0	3
HEA 110	Personal Health/Wellness	3	0	3
HIS 221	African-American History	3	0	3
HIS 226	The Civil War	3	0	3
HIS 228	History of the South	3	0	3
HIS 236	North Carolina History	3	0	3
MAT 140	Survey of Mathematics	3	0	3
MAT 140A	Survey of Mathematics Lab	0	2	1

104 ASSOCIATE IN SCIENCE

		Class	Lab	Credit
MAT 151A	Statistics Lab	0	2	1
MAT 161	College Algebra	3	0	3
MAT 161A	College Algebra Lab	0	2	1
MAT 162	College Trigonometry	3	0	3
MAT 162A	College Trigonometry Lab	0	2	1
MAT 171A	Precalculus Algebra Lab	0	2	1
MAT 172A	Precalculus Trigonometry Lab	0	2	1
MAT 263A	Brief Calculus Lab	0	2	1
PED 110	Fit and Well for Life	1	2	2
PED 111	Physical Fitness I	0	3	1
PED 113	Aerobics I	0	3	1
PED 115	Step Aerobics I	0	3	1
PED 117	Weight Training I	0	3	1
PED 125	Self-Defense Beginning	0	2	1
PED 126	Self-Defense Intermediate	0	2	1
PED 128	Golf Beginning	0	2	1
PED 130	Tennis Beginning	0	2	1
PED 132	Racquetball-Beginning	0	2	1
PED 152	Swimming-Beginning	0	2	1
PED 155	Water Aerobics	0	3	1
PED 216	Indoor Cycling	0	3	1
PHS 110	Basic Physical Science	3	2	4
PSY 263	Educational Psychology	3	0	3
SOC 244	Sociology and Death and Dying	3	0	3

Total Semester Credit Hours 66

Approved for Awarding AS

* 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.

** Pre-major credit at select institutions only.

**ACCOUNTING
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.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
General Education Courses			
ENG 111 Expository Writing	3	0	3
ENG 114 Professional Research & Reporting	3	0	3
Humanities/Fine Arts Elective	3	0	3
MAT 115 Mathematical Models	2	2	3
Major Courses			
Required Core Courses			
ACC 120 Principles of Financial Accounting	3	2	4
ACC 121 Principles of Managerial Accounting	3	2	4
ACC 220 Intermediate Accounting I	3	2	4
ACC 226 Advanced Managerial Accounting	3	0	3
BUS 115 Business Law I	3	0	3
BUS 137 Principles of Management	3	0	3

106 ACCOUNTING

		Class	Lab	Credit
Required Subject Areas				
Taxes				
ACC 131	Federal Income Taxes	2	2	3
Economics: Select two:				
ECO 151	Survey of Economics	3	0	3
ECO 251	Principles of Microeconomics	3	0	3
ECO 252	Principles of Macroeconomics	3	0	3
Computers				
CIS 111	Basic PC Literacy	1	2	2
Other Major Courses				
ACC 140	Payroll Accounting	1	2	2
ACC 150	Accounting Software Applications	1	2	2
BUS 240	Business Ethics	3	0	3
BUS 260	Business Communications	3	0	3
BUS 110	Introduction to Business	3	0	3
BUS 116	Business Law II	3	0	3
BUS 153	Human Resource Management	3	0	3
CIS 120	Spreadsheet I	2	2	3
Electives: Select One:				
BUS 121	Business Math	2	2	3
CIS 172	Introduction to the Internet	2	2	3
MKT 120	Principles of Marketing	3	3	3
COE 111	Co-op Work Experience I	1	0	1
Other Required Courses				
ACA 111	College Student Success	1	0	1
COE 110	World of Work	1	0	1
Total Semester Credit Hours			Range 69-71	
Approved for Awarding			AAS	

**ACCOUNTS RECEIVABLE/ACCOUNTS PAYABLE CLERK
C25100AC**

COURSE AND HOUR REQUIREMENTS

Title	Class	Work		
		Lab	Experience	Credit
ACC 120 Principles of Financial Acct.	3	2	0	4
BUS 121 Business Math	2	2	0	3
CIS 111 Basic PC Literacy	1	2	0	2
ACC 150 Accounting Software Appls.	1	2	0	2
ACC 121 Principles of Managerial Acct.	3	2	0	4
COE 110 World of Work OR	1	0	0	1
COE 111 Co-op Work Experience	1	0	10	1
Total Semester Credits				16
Approved for Awarding				Certificate

**PAYROLL CLERK CERTIFICATE
C25100PC**

COURSE AND HOUR REQUIREMENTS

Title	Class	Work		
		Lab	Experience	Credit
ACC 120 Principles of Financial Acct.	3	2	0	4
BUS 121 Business Math	2	2	0	3
CIS 111 Basic PC Literacy	1	2	0	2
ACC 150 Accounting Software Appls.	1	2	0	2
ACC 140 Payroll Accounting	1	2	0	2
ACC 121 Principles of Managerial Acct.	3	2	0	4
Total Semester Credits				17
Approved for Awarding				Certificate

**ASSOCIATE DEGREE NURSING
A45100**

The Associate Degree Nursing (integrated) curriculum provides individuals with the knowledge and skills necessary to provide nursing care to clients and groups of clients throughout the lifespan in a variety of settings.

Courses will include content related to the nurse's role as a provider of nursing care, as a manager of care, as a member of the discipline of nursing, and as a member of the interdisciplinary team.

Graduates of this program are eligible to apply to take the National Council Licensure Examination (NCLEX-RN) which is required for practice as a Registered Nurse. Employment opportunities include hospitals, long term care facilities, clinics, physician's offices, industry, and community agencies.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Clinical	Credit
General Education Courses				
ENG 111 Expository Writing	3	0	0	3
ENG 114 Professional Research and Reporting	3	0	0	3
Humanities/Fine Arts Elective	3	0	0	3
MAT 140 Survey of Mathematics	3	0	0	3
PSY 150 General Psychology	3	0	0	3
Major Courses				
Required Core Courses				
* NUR 110 Nursing I	5	3	6	8
** NUR 120 Nursing II	5	3	6	8
NUR 130 Nursing III	4	3	6	7
*** NUR 210 Nursing IV	5	3	12	10
NUR 220 Nursing V	4	3	15	10
Other Major Courses				
BIO 168 Anatomy and Physiology I	3	3	0	4
BIO 169 Anatomy and Physiology II	3	3	0	4

ASSOCIATE DEGREE NURSING 109

		Class	Lab	Clinical	Credit
PSY241	Developmental Psychology	3	0	0	3
CIS 111	Basic PC Literacy	1	2	0	2

Other Required Courses

ACA 111	College Student Success	1	0	0	1
COE 110	World of Work	1	0	0	1

Total Semester Credit Hours 73

Approved for Awarding AAS

- * Upon completion of NUR 110, the student is eligible to be listed as NA I.
- ** Upon completion of NUR 120, the student is eligible to be listed as NA II.
- *** Upon successful completion of NUR 210, the student may be eligible to exit as a candidate to write the NCLEX-PN.

PRACTICAL NURSING**D45660**

The Practical Nursing curriculum prepares individuals with the knowledge and skills to provide nursing care to children and adults.

Students will participate in assessment, planning, implementing, and evaluating nursing care.

Graduates are eligible to apply to take the National Council Licensure Examination (NCLEX-PN) which is required for practice as a Licensed Practical Nurse. Employment opportunities include hospitals, rehabilitation/long term care/home health facilities, clinics, and physician's offices.

COURSE AND HOUR REQUIREMENTS

Title		Class	Lab	Clinical	Credit
General Education Courses					
ENG 111	Expository Writing	3	0	0	3
PSY 150	General Psychology	3	0	0	3
Major Courses					
Required Core Courses					
* NUR 101	Practical Nursing I	7	6	6	11
** NUR 102	Practical Nursing II	8	0	12	12
NUR 103	Practical Nursing III	6	0	12	10
Other Major Hours					
BIO 168	Anatomy & Physiology I	3	3	0	4
BIO 169	Anatomy & Physiology II	3	3	0	4
Other Required Courses					
ACA 111	College Student Success	1	0	0	1
Total Semester Credit Hours					48
Approved for Awarding					Diploma

* Upon completion of NUR 101, the student is eligible to be listed as NA I.

** Upon completion of NUR 102, the student is eligible to be listed as NA II.

HEALTH CARE TECHNOLOGY 111

**HEALTH CARE TECHNOLOGY
C45350**

Individuals entering this curriculum must be listed on the Nursing Assistant I Registry and have documentation of successful completion of a Nursing Assistant I Program.

This curriculum prepares multi-skilled health care personnel to perform a variety of assistive skills which cross several traditional health care disciplines.

Course work includes communication, dietary, and clerical skills, as well as those required for listing as a Nursing Assistant II. Based upon local needs, instruction may also include phlebotomy and basic electrocardiography, environmental maintenance, restorative care, and basic respiratory skills.

Graduates of this program will be eligible for listing as a Nursing Assistant II in the state of North Carolina. Employment opportunity sites include hospitals, nursing homes, extended care facilities, and home health agencies.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Clinical	Credit
Major Courses				
HCT 101 Health Care Technology I	6	2	6	9
Select one of the following courses:				
HCT 102 Basic Phlebotomy & EKG I	1	2	3	3
HCT 103 Environmental Maintenance	1	2	3	3
HCT 104 Restorative Care	1	2	3	3
HCT 105 Basic Respiratory Skills	1	2	3	3
Other Major Courses				
OST 131 Keyboarding	1	2	0	2
MED 120 Medical Terminology	2	0	0	2
Total Semester Hours				16
Approved for Awarding			Certificate	

**NURSING ASSISTANT
C45480**

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

Course work emphasizes growth and development throughout the life span, personal care, vital signs, communication, nutrition, medical asepsis, therapeutic activities, accident and fire safety, household environment and equipment management; family resources and services, and employment skills.

Graduates of this curriculum may be eligible to be listed on the registry as Nursing Assistant I's and Nursing Assistant II's. They may be employed in home health agencies, hospitals, clinics, nursing homes, extended care facilities, and doctor's offices.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Clinical	Credit
Required Core Courses				
NAS 101 Nursing Assistant I	3	2	3	5
NAS 102 Nursing Assistant II	3	2	6	6
NAS 103 Home Health Care	2	0	0	2
Other Major Courses				
MED 120 Medical Terminology	2	0	0	2
Other Required Courses				
ACA 111 College Student Success	1	0	0	1
Total Semester Credit Hours				16
Approved for Awarding			Certificate	

**BUILDING CONSTRUCTION TECHNOLOGY
A35140**

The Building Construction Technology curriculum is designed to provide students with an overview of the building construction industry. Construction labs/lecture courses and other related classes, provide students with up-to-date knowledge on materials, trends, and techniques of the ever-changing construction industry.

Course work includes basic construction concepts such as general construction, blueprint reading, construction estimating, and project management. Students will also diversify their knowledge of construction in other areas like electrical wiring, construction surveying, plumbing, statics/strength of materials, and HVAC.

Graduates should qualify for entry-level jobs in any general construction setting and be able to advance quickly to management positions such as supervisors, superintendents, project coordinators, project planners, estimators, and inspectors.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
General Education Courses			
COM 110 Intro to Communication	3	0	3
ENG 111 Expository Writing	3	0	3
MAT 120 Geometry & Trigonometry	2	2	3
Humanities/Fine Arts Elective	3	0	3
Social/Behavioral Science Elective	3	0	3
Major Courses			
Required Core Courses			
BPR 130 Blueprint Reading/Construction	1	2	2
CST 131 OSHA/Safety/Certification	2	2	3
CST 211 Construction Surveying	2	3	3
CST 221 Statics/Structures	3	3	4
CST 241 Planning/Estimating I	2	2	3

114 *BUILDING CONSTRUCTION TECHNOLOGY*

	Class	Lab	Credit
Required Subject Area:			
CAR 111 Carpentry I	3	15	8
Other Major Courses			
CAR 110 Introduction to Carpentry	2	0	2
CAR 112 Carpentry II	3	15	8
CAR 113 Carpentry III	3	9	6
CAR 114 Residential Building Codes	3	0	3
DFT 117 Technical Drafting	1	2	2
PLU 111 Introduction to Basic Plumbing	1	3	2
CIS 111 Basic P.C. Literacy	1	2	2
ELC 111 Intro to Electricity	2	3	3
ECO251 Principles of Microeconomics	3	0	3
OR			
BUS 110 Introduction to Business	3	0	3
Select 2 hours from:			
COE 111 Co-op Work Experience I	0	10	1
COE 121 Co-op Work Experience II	0	10	1
OR			
*COE 112 Co-op Work Experience I	0	20	2
WLD 112 Basic Welding Process	1	3	2
OR			
DFT 119 Basic CAD	1	2	2
Other Required Courses			
ACA 111 College Student Success	1	0	1
COE 110 World of Work	1	0	1
Total Semester Credit Hours			73
Approved for Awarding			AAS

*An elective approved by the department chair may be taken in lieu of COE 112.

**BUSINESS ADMINISTRATION
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.

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Credit
General Education Courses				
ENG 111	Expository Writing	3	0	3
ENG 114	Professional Research and Writing	3	0	3
	Humanities/Fine Arts Elective	3	0	3
MAT 115	Mathematical Models	2	2	3
Major Courses				
Required Core Courses				
ACC 120	Principles of Financial Accounting	3	2	4
BUS 115	Business Law I	3	0	3
BUS 137	Principles of Management	3	0	3
MKT 120	Principles of Marketing	3	0	3
Required Subject Area:				
Economics: Select two:				
ECO 151	Survey of Economics	3	0	3
ECO 251	Principles of Microeconomics	3	0	3
ECO 252	Principles of Macroeconomics	3	0	3

116 *BUSINESS ADMINISTRATION*

		Class	Lab	Credit
Computer Applications				
CIS 111	Basic PC Literacy	1	2	2
Other Major Courses				
ACC 140	Payroll Accounting OR	1	2	2
ACC 150	Accounting Software Applications	1	2	2
ACC 121	Principles of Managerial Accounting	3	2	4
ACC 131	Federal Income Taxes	2	2	3
BUS 240	Business Ethics	3	0	3
BUS 110	Introduction to Business	3	0	3
BUS 153	Human Resource Management	3	0	3
BUS 116	Business Law II	3	0	3
BUS 260	Business Communications	3	0	3
CIS 120	Spreadsheet I	2	2	3
BUS 193	Seminar/Selected Topics OR	3	0	3
BUS 152	Human Relations	3	0	3
Electives: Select one of the following:				
BUS 121	Business Math	2	2	3
CIS 172	Introduction to the Internet	2	2	3
COE 111	Co-op Work Experience I	1	0	1
Other Required Courses				
ACA 111	College Student Success	1	0	1
COE 110	World of Work	1	0	1
Total Semester Credit Hours			Range 66-68	
Approved for Awarding			AAS	

**HUMAN RESOURCE MANAGER CERTIFICATE
C25120HR**

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Work		Credit
			Exper.		
ACC 120 Principles of Financial Accounting	3	2	0		4
CIS 111 Basic PC Literacy	1	2	0		2
BUS 137 Principles of Management	3	0	0		3
BUS 153 Human Resource Management	3	0	0		3
BUS 110 Introduction to Business	3	0	0		3
COE 110 World of Work OR	1	0	0		1
COE 111 Co-op. Work Experience I	1	0	10		1
Total Semester Credit Hours					16
Approved for Awarding					Certificate

**OFFICE MANAGER CERTIFICATE
C25120OM**

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab			Credit
ACC 120 Principles of Financial Accounting	3	2			4
BUS 121 Business Math	2	2			3
BUS 110 Introduction to Business	3	0			3
CIS 111 Basic PC Literacy	1	2			2
BUS 137 Principles of Management	3	0			3
BUS 153 Human Resource Management	3	0			3
Total Semester Credit Hours					18
Approved for Awarding					Certificate

COSMETOLOGY
A55140

The Cosmetology curriculum is designed to provide competency based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional imaging, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge, and other selected topics.

Graduates should qualify to sit for the State Board of Cosmetic Arts examination. Upon successfully passing the State Board exam, graduates will be issued a license. Employment is available in beauty salons and related businesses.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
General Education Courses			
ENG 111 Expository Writing	3	0	3
ENG 114 Professional Research and Writing	3	0	3
MAT 115 Mathematical Models	2	0	3
Humanities/Fine Arts Elective	3	0	3
Social/Behavioral Science Elective	3	0	3
Major Courses			
Required Core Courses			
COS 111 Cosmetology Concepts I	4	0	4
COS 112 Salon I	0	24	8
COS 113 Cosmetology Concepts II	4	0	4
COS 114 Salon II	0	24	8
COS 115 Cosmetology Concepts III	4	0	4
COS 116 Salon III	0	12	4
COS 117 Cosmetology Concepts IV	2	0	2
COS 118 Salon IV	0	21	7

COSMETOLOGY 119

		Class	Lab	Credit
Other Major Courses				
COS 123	Contemporary Hair Coloring	1	3	2
COS 140	Contemporary Design	1	3	2
COS 160	Design Applications	1	3	2
COS 224	Tricology and Chemistry	1	3	2
CIS 111	Basic PC Literacy	1	2	2
Other Required Courses				
ACA 111	College Student Success	1	0	1
COE 110	World of Work	1	0	1
Total Semester Credit Hours in Program				68
Approved for Awarding				AAS

**COSMETOLOGY
Diploma
D55140**

COURSE AND HOUR REQUIREMENTS

Title		Class	Lab	Credit
General Education Courses				
ENG 111	Expository Writing	3	0	3
	Social/Behavioral Science Elective	3	0	3
Major Courses				
Required Core Courses				
COS 111	Cosmetology Concepts I	4	0	4
COS 112	Salon I	0	24	8
COS 113	Cosmetology Concepts II	4	0	4
COS 114	Salon II	0	24	8
COS 115	Cosmetology Concepts III	4	0	4
COS 116	Salon III	0	12	4
Other Major Courses				
COS 123	Contemporary Hair Coloring	1	3	2
CIS 111	Basic PC Literacy	1	2	2
Other Required Courses				
COE 110	World of Work	1	0	1
ACA 111	College Student Success	1	0	1
Total Semester Credit Hours				44
Approved for Awarding				Diploma

120 COSMETOLOGY

COSMETOLOGY
Certificate
C55140

After successfully completing the following required courses, graduates will qualify to sit for the State Board of Cosmetic Arts examination. Upon successfully passing the State Board exam, graduates will be issued an apprentice license. A six-month apprenticeship in a licensed beauty salon or re-enrollment in Cosmetology for an additional 300 hours is required.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit	
Required Core Courses				
COS 111	Cosmetology Concepts I	4	0	4
COS 112	Salon I	0	24	8
COS 113	Cosmetology Concepts II	4	0	4
COS 114	Salon II	0	24	8
COS 115	Cosmetology Concepts II	4	0	4
COS 116	Salon III	0	12	4
Total Semester Credit Hours			32*	
Approved for Awarding			Certificate*	

*North Carolina State Board of Cosmetic Arts requirement for a certificate in Cosmetology

**COSMETOLOGY INSTRUCTOR
C55160**

The Cosmetology Instructor curriculum provides a course of study for learning the skills needed to teach the theory and practice of cosmetology as required by the North Carolina Board of Cosmetic Arts.

Course work includes requirements for becoming an instructor, introduction to teaching theory, methods and aids, practice teaching, and development of evaluation instruments.

Graduates of the program may be employed as cosmetology instructors in public or private education and business.

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Credit
Required Core Courses				
COS 271	Instructor Concepts I	5	0	5
COS 272	Instructor Practicum I	0	21	7
COS 273	Instructor Concepts II	5	0	5
COS 274	Instructor Practicum II	0	21	7
Total Semester Credit Hours				24*
Approved for Awarding				Certificate*

*North Carolina State Board of Cosmetic Arts requirement for a certificate in Cosmetology Instructor.

**MANICURING INSTRUCTOR
C55380**

The manicuring instructor training program provides a course of study for learning the skills needed to teach the theory and practices of manicuring as required by the North Carolina State Board of Cosmetic Arts.

Course work includes all phases of Manicuring theory lab instruction.

Graduates should be prepared to take the North Carolina Cosmetology State Board Manicuring Instructor Licensing Exam upon passing and be qualified for employment in a cosmetology or manicuring school.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
Required Core Courses			
COS 251 Manicure Instructor Concepts	8	0	8
COS 252 Manicure Instructor Practicum	0	15	5
Total Semester Credit Hours			13*
Approved for Awarding			Certificate*

*North Carolina State Board of Cosmetic Art requirement for a certificate in Manicuring Instructor.

**MANICURING/NAIL TECHNOLOGY
C55400**

The Manicuring/Nail Technology curriculum provides competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the nail technology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional nail technology, business/computer principles, product knowledge, and other related topics.

Graduates should be prepared to take the North Carolina Cosmetology State Board Licensing Exam and upon passing be licensed and qualify for employment in beauty and nail salons, as a platform artist, and in related businesses.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
Required Core Courses			
COS 121 Manicure/Nail Technology I	4	6	6
COS 222 Manicure/Nail Technology II	4	6	6

Total Semester Credit Hours in Program 12*

Approved for Awarding Certificate*

*North Carolina State Board of Cosmetic Art requirement for a certificate in Manicuring/Nail Technology.

CRIMINAL JUSTICE TECHNOLOGY
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.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
General Education Courses			
ENG 111 Expository Writing	3	0	3
ENG 114 Professional Research and Writing	3	0	3
Humanities/Fine Arts Elective	3	0	3
MAT 115 Mathematical Models OR	2	2	2
MAT 140 Survey of Mathematics	3	0	3
Social Science Elective	3	0	3
Major Courses			
Required Core Courses			
CJC 111 Introduction to Criminal Justice	3	0	3
CJC 112 Criminology	3	0	3
CJC 113 Juvenile Justice	3	0	3
CJC 131 Criminal Law	3	0	3
CJC 212 Ethics and Community Relations	3	0	3
CJC 221 Investigative Principles	3	2	4
CJC 231 Constitutional Law	3	0	3
Other Major Courses			
CIS 111 Basic PC Literacy OR	1	2	2
CIS 110 Intro. to Computers	2	2	3
CJC 121 Law Enforcement Operations	3	0	3

CRIMINAL JUSTICE TECHNOLOGY 125

		Class	Lab	Credit
CJC 160	Terrorism: Underlying Issues	3	0	3
CJC 132	Court Structure and Evidence	3	0	3
CJC 141	Corrections	3	0	3
CJC 151	Introduction to Loss Prevention	3	0	3
CJC 213	Substance Abuse	3	0	3
CJC 215	Organization and Administration	3	0	3
CJC 222	Criminalistics	3	0	3
PED 110	Fit and Well for Life	1	2	2
CJC 223	Organized Crime	3	0	3
Other Required Courses				
ACA111	College Student Success	1	0	1
COE 110	World of Work	1	0	1
Total Semester Credit Hours in Program				70
Approved for Awarding				AAS

**CRIMINAL JUSTICE TECHNOLOGY
D55180**

COURSE AND HOUR REQUIREMENTS

		Class	Lab	Credit
General Education Courses				
ENG 111	Expository Writing	3	0	3
ENG 114	Professional Research and Reporting	3	0	3
Major Courses				
CIS 111	Basic PC Literacy OR	1	2	2
CIS 110	Intro. to Computers	2	2	3
CJC 111	Introduction to Criminal Justice	3	0	3
CJC 112	Criminology	3	0	3
CJC 131	Criminal Law	3	0	3
CJC 113	Juvenile Justice	3	0	3
CJC 132	Court Procedure and Evidence	3	0	3
CJC 141	Corrections	3	0	3
CJC 151	Introduction to Loss Prevention	3	0	3
CJC 221	Investigative Principles	3	2	4
CJC 231	Constitutional Law	3	0	3
Other Required Hours				
ACA111	College Student Success	1	0	1
COE 110	World of Work	1	0	1
Total Semester Credit Hours				38
Approved for Awarding				Diploma

126 *CRIMINAL JUSTICE TECHNOLOGY*

**CRIMINAL JUSTICE TECHNOLOGY
C55180**

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
CJC 131 Criminal Law	3	0	3
CJC 132 Court Procedure and Evidence	3	0	3
CJC 221 Investigative Principles	3	2	4
CJC 231 Constitutional Law	3	0	3

Total Semester Credit Hours 13

Approved for Awarding Certificate

**BASIC LAW ENFORCEMENT TRAINING
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 alcoholic 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 which include the certification examination 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.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
Required Core Courses			
CJC 100 Basic Law Enforcement Training	8	30	18

Total Semester Credit Hours 18

Approved for Awarding Certificate

EARLY CHILDHOOD EDUCATION 127

EARLY CHILDHOOD EDUCATION

A55220

The Early Childhood Associate curriculum prepares individuals to work with children from infancy through middle childhood in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with parents and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Work Experience	Credit
General Education Courses				
ENG 111 Expository Writing	3	0	0	3
ENG 114 Professional Research and Reporting OR	3	0	0	3
ENG 113 Literature Based Research	3	0	0	3
MAT 115 Mathematical Models OR	2	2	0	3
MAT 140 Survey of Mathematics	3	0	0	3
PSY 150 General Psychology	3	0	0	3
Humanities/Fine Arts Elective	3	0	0	3
Major Courses				
Required Core Courses				
COE 111 Co-op Work Experience I	0	0	10	1
EDU 131 Children, Family, and Community	3	0	0	3
EDU 146 Child Guidance	3	0	0	3
EDU 221 Children with Exceptionalities	3	0	0	3
EDU 151 Creative Activities	3	0	0	3
EDU 153 Health, Safety, & Nutrition	3	0	0	3
EDU 271 Educational Technology	2	2	0	3
EDU 280 Language & Literacy Exp.	3	0	0	3

128 *EARLY CHILDHOOD EDUCATION*

				Work	
		Class	Lab	Experience	Credit
Early Childhood Education. Choose one of the following sets:					
Set I					
EDU 119	Early Childhood Education	4	0	0	4
Set II					
EDU 111	Early Childhood Credential I	2	0	0	2
EDU 112	Early Childhood Credential II	2	0	0	2
Set III					
EDU 111	Early Childhood Credential I	2	0	0	2
EDU 113	Family/Early Childhood Credential	2	0	0	2
Child Development					
EDU 144	Child Development I	3	0	0	3
EDU 145	Child Development II	3	0	0	3
Other Major Hours					
CIS 110	Introduction to Computers	2	2	0	3
OR					
CIS 111	Basic PC Literacy	1	2	0	2
COE 121	Co-op Work Experience II	0	0	10	1
EDU 234	Infants, Toddlers, & Twos	3	0	0	3
EDU 235	School-Age Development and Programs	2	0	0	2
EDU 252	Math & Science Activities	3	0	0	3
EDU 261	Early Childhood Admin. I	2	0	0	2
EDU 262	Early Childhood Admin. II	3	0	0	3
COE 110	World of Work	1	0	0	1
Other Required Hours					
ACA 111	College Student Success	1	0	0	1

Total Semester Credit Hours

65
(66 SHC if CT Option)

Approved for Awarding

AAS

**EARLY CHILDHOOD EDUCATION
D55220**

Title	Class	Lab	Work Experience	Credit
General Education Courses				
ENG 111 Expository Writing	3	0	0	3
ENG 114 Professional Research and Reporting OR	3	0	0	3
ENG 113 Literature Based Research	3	0	0	3
Major Courses				
Required Core Courses				
COE 111 Co-op Work Experience I	0	0	10	1
EDU 131 Children, Family, and Community	3	0	0	3
EDU 146 Child Guidance	3	0	0	3
EDU 221 Children with Exceptionalities	3	0	0	3
EDU 151 Creative Activities	3	0	0	3
EDU 153 Health, Safety, and Nutrition	3	0	0	3
Early Childhood Education. Choose one of the following sets:				
Set I				
EDU 119 Early Childhood Education	4	0	0	4
Set II				
EDU 111 Early Childhood Credential I	2	0	0	2
EDU 112 Early Childhood Credential II	2	0	0	2
Set III				
EDU 111 Early Childhood Credential I	2	0	0	2
EDU 113 Family/Early Childhood Credential	2	0	0	2
Child Development				
EDU 144 Child Development I	3	0	0	3
EDU 145 Child Development II	3	0	0	3

130 *EARLY CHILDHOOD EDUCATION*

		Class	Lab	Work Experience	Credit
Other Major Courses					
COE 110	World of Work	1	0	0	1
EDU 235	School-Age Development and Programs	2	0	0	2
CIS 110	Introduction to Computers	2	2	0	3
OR					
CIS 111	Basic PC Literacy	1	2	0	2
Other Required Courses					
ACA 111	College Student Success	1	0	0	1
Total Semester Credit Hours					38 (39 SHC if CT Option)
Approved for Awarding					Diploma

**EARLY CHILDHOOD EDUCATION
CHILD CARE CERTIFICATE
C55220CC**

Title		Class	Lab	Work Experience	Credit
EDU 111	Early Childhood Credential I	2	0	0	2
EDU 112	Early Childhood Credential II	2	0	0	2
or					
EDU 113	Family/Early Childhood Credential	2	0	0	2
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
Total Semester Credit Hours					16
Approved for Awarding					Certificate

**EARLY CHILDHOOD EDUCATION
SCHOOL-AGE CERTIFICATE
C55220SA**

				Work	
	Title	Class	Lab	Experience	Credit
EDU 111	Early Childhood Credential I	2	0	0	2
EDU 112	Early Childhood Credential II	2	0	0	2
	or				
EDU 113	Family/Early Childhood Cred.	2	0	0	2
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 235	School-Age Dev & Program	2	0	0	2

Total Semester Credit Hours 18

Approved for Awarding Certificate

132 EARLY CHILDHOOD EDUCATION/TEACHER ASSOCIATE

**EARLY CHILDHOOD EDUCATION/TEACHER ASSOCIATE
A5522B**

Teacher Associate is a concentration under the curriculum title of Early Childhood Associate. This curriculum prepares individuals to work with children from preschool through middle childhood in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with parents and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Upon successful completion of this program, the student should be able to promote overall child development in the intellectual, language, social, emotional, physical, and self-image areas through planning and presentation of developmentally appropriate activities for elementary school children.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Work Experience	Credit
General Education Courses				
ENG 111 Expository Writing	3	0	0	3
ENG 114 Professional Research & Reporting OR	3	0	0	3
ENG 113 Literature Based Research	3	0	0	3
MAT 115 Mathematical Models OR	2	2	0	3
MAT 140 Survey of Mathematics	3	0	0	3
PSY 150 General Psychology	3	0	0	3
Humanities/Fine Arts Elective	3	0	0	3
Major Courses				
Required Core Courses				
COE 111 Co-op Work Experience I	0	0	10	1
EDU 131 Children, Family, and Community	3	0	0	3
EDU 146 Child Guidance	3	0	0	3
EDU 221 Children with Exceptionalities	3	0	0	3
EDU 151 Creative Activities	3	0	0	3
EDU 153 Health, Safety, & Nutrition	3	0	0	3
EDU 271 Educational Technology	2	2	0	3
EDU 280 Literacy Experiences	3	0	0	3

EARLY CHILDHOOD EDUCATION/TEACHER ASSOCIATE 133

				Work	
		Class	Lab	Experience	Credit
Early Childhood Education. Choose one of the following sets:					
Set I					
EDU 119	Early Childhood Education	4	0	0	4
Set II					
EDU 111	Early Childhood Cred. I	2	0	0	2
EDU 112	Early Childhood Cred. II	2	0	0	2
Set III					
EDU 111	Early Childhood Cred. I	2	0	0	2
EDU 113	Family/Early Childhood Cred.	2	0	0	2
Child Development					
EDU 144	Child Development I	3	0	0	3
EDU 145	Child Development II	3	0	0	3
Concentration Courses					
COE 121	Co-op Work Experience II	0	0	10	1
EDU 118	Teacher Associate Principles and Practices	3	0	0	3
EDU 186	Reading & Writing Methods	3	0	0	3
EDU 235	School-Age Dev. & Programs	2	0	0	2
EDU 275	Effective Teaching Training	2	0	0	2
EDU 285	Internship Experiences - School-Age	1	0	0	1
Other Major Courses					
CIS 110	Introduction to Computers OR	2	2	0	3
CIS 111	Basic PC Literacy	1	2	0	2
COE 110	World of Work	1	0	0	1
EDU 252	Math and Science Activities	3	0	0	3
Other Required Hours					
ACA 111	College Student Success	1	0	0	1
Total Semester Credit Hours					66
					(67 SHC if CT Option)
Approved for Awarding					AAS

134 EARLY CHILDHOOD EDUCATION/TEACHER ASSOCIATE

**EARLY CHILDHOOD EDUCATION/TEACHER ASSOCIATE
CERTIFICATE
C5522B**

Title	Class	Lab	Work Experience	Credit
CIS 110 Introduction to Computers	2	2	0	3
EDU 145 Child Development II OR	3	0	0	3
EDU 146 Child Guidance	3	0	0	3
EDU 186 Reading & Writing Methods	3	0	0	3
EDU 252 Math and Science Activities	3	0	0	3
Total Semester Credit Hours				12
Approved for Awarding				Certificate

HORTICULTURE TECHNOLOGY

A15240

The Horticulture Technology curriculum is designed to prepare individuals for various careers in horticulture. Classroom instruction and practical laboratory applications of horticultural principles and practices are included in the program of study.

Course work includes plant science, plant materials, propagation, soils, fertilizers, and pest management. Also included are courses in plant production, landscaping, and the management and operation of horticulture businesses.

Graduates should qualify for employment opportunities in nurseries, garden centers, greenhouses, landscape operations, gardens, and governmental agencies. Graduates should also be prepared to take the North Carolina Certified Plant Professional Examination.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
General Education Courses			
ENG 111 Expository Writing	3	0	3
ENG 114 Professional Research and Reporting	3	0	3
Humanities/Fine Arts Elective	3	0	3
MAT 115 Mathematical Models OR	2	2	3
BIO 110 Principles of Biology	3	3	4
Social/Behavioral Science Elective	3	0	3
Major Courses			
Required Core Courses			
HOR 160 Plant Materials I	2	2	3
HOR 162 Applied Plant Science	2	2	3
HOR 164 Horticultural Pest Management	2	2	3
HOR 166 Soils and Fertilizers	2	2	3
HOR 168 Plant Propagation	2	2	3
Other Major Courses			
CIS 111 Basic PC Literacy	1	2	2
HOR 112 Landscape Design I	2	3	3
HOR 124 Nursery Operations	2	3	3
HOR 134 Greenhouse Operations	2	2	3

136 *HORTICULTURE TECHNOLOGY*

		Class	Lab	Credit
HOR 170	Horticulture Computer Applications	1	3	2
HOR 215	Landscape Irrigation	2	2	3
HOR 225	Nursery Production	2	3	3
HOR 235	Greenhouse Production	2	2	3
HOR 253	Horticulture Turfgrass	2	2	3
HOR 152	Horticultural Practices	0	3	1
HOR 260	Plant Materials II	2	2	3
HOR 273	Horticulture Management and Marketing	3	0	3
HOR 213	Landscape Design II	2	2	2
AGR 150	Ag-O-Metrics	3	0	3
Other Required Courses				
ACA 111	College Student Success	1	0	1
COE 110	World of Work	1	0	1
Total Semester Credit Hours				70
				(71 SHC if BIO 110 is taken)
Approved for Awarding			AAS	

**HORTICULTURE TECHNOLOGY
D15240**

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Credit
General Education Courses				
ENG 111	Expository Writing	3	0	3
MAT 115	Mathematical Models OR	2	2	3
BIO 110	Principles of Biology	3	3	4
Required Major Courses				
HOR 160	Plant Materials I	2	2	3
HOR 162	Applied Plant Science	2	2	3
HOR 164	Horticultural Pest Management	2	2	3
HOR 166	Soils and Fertilizers	2	2	3
HOR 168	Plant Propagation	2	2	3
Other Major Courses				
Complete 20 SHC from the courses listed below:				
AGR 150	Ag-0-Metrics	3	0	3
CIS 111	Basic PC Literacy	1	2	2
HOR 112	Landscape Design I	2	3	3
HOR 124	Nursery Operations	2	3	3
HOR 134	Greenhouse Operations	2	2	3

HORTICULTURE TECHNOLOGY 137

		Class	Lab	Credit
HOR 152	Horticulture Practices	0	3	3
HOR 213	Landscape Design II	2	2	3
HOR 225	Nursery Production	2	3	3
HOR 253	Horticulture Turfgrass	2	2	3

Other Required Courses

ACA 111	College Student Success	1	0	1
COE 110	World of Work	1	0	1

Total Semester Credit Hours 43
(44 SHC if BIO 110 is taken)

Approved for Awarding Diploma

**HORTICULTURE
Plant Production Certificate
C15240PP**

Course and Hour Requirements

Title		Class	Lab	Credit
HOR 162	Applied Plant Science	2	2	3
HOR 168	Plant Propagation	2	3	3
HOR 235	Greenhouse Production	2	2	3
HOR 134	Greenhouse Operations	2	2	3
HOR 225	Nursery Production	2	3	3

Total Semester Credit Hours 15

Approved for Awarding Certificate

**HORTICULTURE
General Landscape Certificate
C15240LS**

COURSE AND HOUR REQUIREMENTS

Title		Class	Lab	Credit
HOR 162	Applied Plant Science	2	2	3
HOR 160	Plant Materials I	2	2	3
HOR 164	Horticulture Pest Management	2	2	3
HOR 215	Landscape Irrigation	2	2	3
HOR 253	Horticulture Turfgrass	2	2	3

Total Semester Credit Hours 15

Approved for Awarding Certificate

**HORTICULTURE
Landscape Design Certificate
C15240LD**

COURSE AND HOUR REQUIREMENTS

Title		Class	Lab	Credit
HOR 112	Landscape Design I	2	3	3
HOR 213	Landscape Design II	2	2	3
HOR 152	Horticulture Practices	0	3	1
HOR 170	Horticulture Computer Applications	1	3	2
HOR 160	Plant Materials I	2	2	3
Total Semester Credit Hours				12
Approved for Awarding				Certificate

**HORTICULTURE
Turfgrass Certificate
C15240TG**

COURSE AND HOUR REQUIREMENTS

Title		Class	Lab	Credit
HOR 253	Horticulture Turfgrass	2	2	3
HOR 166	Soil & Fertilizers	2	2	3
HOR 215	Landscape Irrigation	2	2	3
AGR 150	Ag-O-Metrics	2	2	3
Total Semester Credit Hours				12
Approved for Awarding				Certificate

**INDUSTRIAL SYSTEMS TECHNOLOGY
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 blueprint 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 life-long learners.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
General Education Courses			
ENG 111 Expository Writing	3	0	3
ENG 114 Professional Research and Reporting	3	0	3
Humanities/Fine Arts Elective	3	0	3
MAT 115 Mathematical Models	2	2	3
Social/Behavioral Science Elective	3	0	3
Major Courses			
Required Core Courses			
BPR 111 Blueprint Reading	1	2	2
ELC 111 Introduction to Electricity	2	2	3
HYD 110 Hydraulics/Pneumatics	2	3	3
MEC 111 Machine Processes I	1	4	3
MNT 110 Intro to Maintenance Procedures	1	3	2
WLD 112 Basic Welding Processes	1	3	2
ISC 112 Industrial Safety	2	0	2

140 *INDUSTRIAL SYSTEMS TECHNOLOGY*

		Class	Lab	Credit
Other Major Courses				
AHR 110	Introduction to Refrigeration	2	6	5
AHR 120	HVACR Maintenance	1	3	2
CIS 111	Basic PC Literacy	1	2	2
ELC 113	Basic Wiring I	2	6	4
ELC 128	Introduction to PLC	2	3	3
or				
MEC 112	Machine Processes II	2	3	3
MEC 130	Mechanisms	2	2	3
MNT 111	Maintenance Practices	2	2	3
MNT 150	Basic Building Maintenance	1	3	2
MNT 220	Rigging and Moving	1	3	2
MNT 230	Pumps and Piping Systems	1	3	2
PLU 111	Introduction to Basic Plumbing	1	3	2
Electives				
DFT 151	CAD I	2	3	3
DFT 152	CAD II	2	3	3
DFT 119	Basic CAD	1	2	2
BPR 121	Blueprint Reading: Mech	1	2	2
Other Required Courses				
ACA 111	College Student Success	1	0	1
COE 110	World of Work	1	0	1
Total Semester Credit Hours				66
Approved for Awarding				AAS

**INDUSTRIAL SYSTEMS TECHNOLOGY
D50240**

COURSE AND HOUR REQUIREMENTS

Title		Class	Lab	Credit
General Education Courses				
ENG 111	Expository Writing	3	0	3
MAT 115	Mathematical Models	2	2	3
Major Courses				
Required Core Courses				
BPR 111	Blueprint Reading	1	2	2
ELC 111	Introduction to Electricity	2	2	3
HYD 110	Hydraulics/Pneumatics	2	3	3
MEC 111	Machine Processes I	1	4	3

INDUSTRIAL SYSTEMS TECHNOLOGY 141

		Class	Lab	Credit
MNT 110	Introduction to Maintenance Procedures	1	3	2
WLD 112	Basic Welding Processes	1	3	2
Other Major Courses				
ELC 113	Basic Wiring I	2	6	4
ISC 112	Industrial Safety	2	0	2
MEC130	Mechanisms	2	2	3
MNT111	Maintenance Practices	2	2	3
MNT150	Basic Building Maintenance	1	3	2
MNT220	Rigging and Moving	1	3	2
PLU 111	Introduction to Basic Plumbing	1	3	2
Other Required Courses				
ACA111	College Student Success	1	0	1
COE110	World of Work	1	0	1
CIS 111	Basic PC Literacy	1	2	2
Total Semester Credit Hours				43
Approved for Awarding			Diploma	

**INDUSTRIAL SYSTEMS TECHNOLOGY
Machine Operator
C50240MA**

COURSE AND HOUR REQUIREMENTS

Title		Class	Lab	Credit
Major Courses				
BPR 111	Blueprint Reading	1	2	2
ISC 112	Industrial Safety	2	0	2
MEC111	Machine Processes I	1	4	3
MEC130	Mechanisms	2	2	3
MEC 112	Machine Processes II	2	3	3
Total Semester Credit Hours				13
Approved for Awarding			Certificate	

142 *INDUSTRIAL SYSTEMS TECHNOLOGY*

INDUSTRIAL SYSTEMS TECHNOLOGY
Maintenance Operations
C50240MT

COURSE AND HOUR REQUIREMENTS

Title		Class	Lab	Credit
Major Courses				
BPR 111	Blueprint Reading	1	2	2
ISC 112	Industrial Safety	2	0	2
MNT110	Introduction to Maintenance Procedures	1	3	2
MNT111	Maintenance Practices	2	2	3
MNT150	Basic Building Maintenance	1	3	2
MNT220	Rigging and Moving	1	3	2
Total Semester Credit Hours				13
Approved for Awarding			Certificate	

INDUSTRIAL SYSTEMS TECHNOLOGY
Electrical
C50240EL

COURSE AND HOUR REQUIREMENTS

Title		Class	Lab	Credit
Major Courses				
BPR 111	Blueprint Reading	1	2	2
ELC 111	Introduction to Electricity	2	2	3
ELC 113	Basic Wiring I	2	6	4
ELC 128	Introduction to PLC	2	3	3
ISC 112	Industrial Safety	2	0	2
Total Semester Credit Hours				14
Approved for Awarding			Certificate	

**INFORMATION SYSTEMS
A25260**

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

Course work includes computer systems terminology and operations, logic, operating systems, database, data communications/networking, and related business topics. Studies will provide experience for students to implement, support, and customize industry-standard information systems.

Graduates should qualify for a wide variety of computer-related, entry-level positions that provide opportunities for advancement with increasing experience and ongoing training. Duties may include systems maintenance and troubleshooting, support and training, and business applications design and implementation.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
General Education Courses			
Humanities/Fine Arts Elective	3	0	3
ENG 111 Expository Writing	3	0	3
ENG 114 Professional Research and Reporting	3	0	3
MAT 115 Mathematical Models	2	2	3
PSY 118 Interpersonal Psychology	3	0	3
Major Courses			
Required Core Courses			
CIS 115 Intro to Programming & Logic	2	2	3
CIS 130 Survey of Operating Systems	2	3	3
CIS 152 Database Concepts and Applications	2	2	3

		Class	Lab	Credit
Required Subject Areas				
ACC 120	Principles of Accounting I	3	2	4
CIS 111	Basic PC Literacy	1	2	2
NET 110	Data Communication/ Networking	2	2	3
Other Major Courses				
CIS 120	Spreadsheet I	2	2	3
CIS 153	Database Applications	2	2	3
CIS 162	MM Presentation Software	2	2	3
CIS 165	Desktop Publishing I	2	2	3
CIS 172	Introduction to the Internet	2	3	3
CIS 215	Hardware Installation/Maintenance	2	3	3
CIS 216	Software Installation/Maintenance	1	2	2
CIS 217	Computer Training and Support	2	2	3
NET260	Internet Development and Support	3	0	3
ACC 150	Computerized General Ledger	1	2	2
OST 136	Word Processing	1	2	2
CIS 220	Spreadsheets II	1	2	2
NET 112	Security Fun. & Policies	3	0	3
Other Required Courses				
ACA 111	College Student Success	1	0	1
COE 110	World of Work	1	0	1
Total Semester Credit Hours				70
Approved for Awarding				AAS

**INFORMATION SYSTEMS
D25260**

COURSE AND HOUR REQUIREMENTS

	Title	Class	Lab	Credit
General Education Courses				
ENG 111	Expository Writing	3	0	3
ENG 114	Professional Research and Reporting	3	0	3
MAT 115	Mathematical Models	2	2	3

INFORMATION SYSTEMS 145

		Class	Lab	Credit
Major Courses				
Required Core Courses				
ACC 120	Principles of Accounting I	3	2	4
CIS 111	Basic PC Literacy	1	2	2
CIS 120	Spreadsheet I	2	2	3
CIS 130	Survey of Operating Systems	2	3	3
CIS 152	Database Concepts and Applications	2	2	3
OST 136	Word Processing	1	2	2
CIS 162	MM Presentation Software	2	2	3
CIS 165	Desktop Publishing I	2	2	3
CIS 172	Introduction to the Internet	2	3	3
NET 110	Data Communication/Networking	2	2	3
CIS 220	Spreadsheets II	1	2	2
Other Major Courses				
ACA 111	College Student Success	1	0	1
COE 110	World of Work	1	0	1
Total Semester Credit Hours				42
Approved for Awarding				Diploma

**Information Systems Certificate
C25260**

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
CIS 111 Basic PC Literacy	1	2	2
CIS 120 Spreadsheet I	2	2	3
CIS 152 Database Concepts & Applications	2	2	3
CIS 162 MM Presentation Software	2	2	3
CIS 172 Introduction to the Internet	2	3	3
OST136 Word Processing	1	2	2
Total Semester Credit Hours			16
Approved for Awarding			Certificate

146 INFORMATION SYSTEMS/NETWORK ADMIN AND SUPPORT

**INFORMATION SYSTEMS/NETWORK ADMINISTRATION AND SUPPORT
A2526D**

Network Administration and Support is a concentration under the curriculum title of Information Systems. This curriculum prepares students to install and support networks and develops strong analytical skills and extensive computer knowledge.

Course work includes extensive hands-on experience with networks. Classes cover media types, topologies, and protocols with installation and support of hardware and software, troubleshooting network and computer problems, and administrative responsibilities.

Graduates should qualify for positions such as LAN/PC administrator, microcomputer support specialist, network control operator, communications technician/analyst, network/computer consultant, and information systems specialist. Graduates should be prepared to sit for certification exams which can result in industry-recognized credentials.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
General Education Courses			
ENG 111 Expository Writing	3	0	3
ENG 114 Professional Research & Reporting	3	0	3
MAT 115 Mathematical Models	2	2	3
PSY 118 Interpersonal Psychology	3	0	3
Humanities/Fine Arts Elective	3	0	3
Major Courses			
Required Core Courses			
CIS 115 Intro to Programming & Logic	2	2	3
CIS 130 Survey of Operating Systems	2	3	3
CIS 152 Database Concepts and Applications	2	2	3
Required Subject Area			
ACC 120 Accounting I	3	2	4
CIS 111 Basic PC Literacy	1	2	2
NET 110 Data Communications/Networking	2	2	3

INFORMATION SYSTEMS/NETWORK ADMIN AND SUPPORT147

		Class	Lab	Credit
Other Major Courses				
CIS 153	Database Applications	2	2	3
CIS 172	Introduction to the Internet	2	3	3
CIS 215	Hardware Installation/Maintenance	2	3	3
CIS 216	Software Installation/Maintenance	1	2	2
NET 112	Security Fun. & Policies	3	0	3
NET 260	Internet Development and Support	3	0	3
Concentration Courses				
CIS 174	Network System Manager I	2	2	3
CIS 175	Network Management I	2	2	3
CIS 274	Network System Manager II	2	2	3
CIS 275	Network Management II	2	2	3
CIS 287	Network Support	2	2	3
Other Required Hours				
ACA111	College Student Success	1	0	1
COE110	World of Work	1	0	1
Total Semester Credit Hours				67

Approved for Awarding AAS

**INFORMATION SYSTEMS/NETWORK ADMINISTRATION
AND SUPPORT
C2526D**

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
CIS 111 Basic PC Literacy	1	2	2
NET 110 Data Comm/Networking	2	2	3
CIS 174 Network System Manager I	2	2	3
CIS 175 Network Management I	2	2	3
CIS 274 Networking System Manager II	2	2	3
CIS 275 Network Management II	2	2	3
Total Semester Credit Hours			17

Approved for Awarding Certificate

**LIVESTOCK AND POULTRY TECHNOLOGY
A15280**

The Livestock and Poultry Technology curriculum is designed to prepare students for careers in the production, processing, and distribution of livestock and poultry and their products according to scientific principles essential to efficient and profitable operation.

Students should learn skills necessary for the operation of efficient and profitable livestock enterprises. Coursework includes production practices, animal health, nutrition, reproduction, and management.

Graduates are qualified for entry-level jobs as herd or flock managers, field service persons, feed salespersons, equipment salespersons, feed mill workers, and buyers of poultry and livestock.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Work Experience	Credit
General Education Courses				
ENG 111 Expository Writing	3	0	0	3
ENG 114 Professional Research and Reporting	3	0	0	3
Humanities/Fine Arts Elective	3	0	0	3
MAT 115 Mathematical Models OR	2	2	0	3
BIO 110 Principles of Biology	3	3	0	4
Social/Behavioral Science Elective	3	0	0	3
Major Courses				
Required Major Courses				
ANS 110 Animal Science	3	0	0	3
ANS 115 Animal Feeds and Nutrition	2	2	0	3
ANS 120 Beef Production	2	2	0	3
ANS 130 Poultry Production	2	2	0	3
ANS 140 Swine Production	2	2	0	3
ANS 150 Animal Health Management	3	0	0	3

LIVESTOCK AND POULTRY 149

		Class	Lab	Work Experience	Credit
Other Major Courses					
AGR 110	Agricultural Economics	3	0	0	3
AGR 150	Ag-O-Metrics	3	0	0	3
AGR 226	Maintenance and Service of Production Facilities	2	2	0	3
ANS 141	Swine Herd Management	2	0	0	2
ANS 160	Animal Waste Management	3	0	0	3
ANS 193	Selected Topics in Animal Science	2	2	0	3
ANS 210	Livestock Production Issues	3	0	0	3
ANS 212	Livestock Records and Analysis	3	0	0	3
ANS 213	Animal Reproduction	2	2	0	3
CIS 111	Basic PC Literacy	1	2	0	2
*COE112	Co-op Work Experience I	0	0	20	2
BUS 137	Principles of Management	3	0	0	3
Other Required Courses					
ACA 111	College Student Success	1	0	0	1
COE 110	World of Work	1	0	0	1
Total Semester Credit Hours					68
Approved for Awarding					AAS

*An elective approved by the department chair may be taken in lieu of COE 112.

**LIVESTOCK AND POULTRY TECHNOLOGY
D15280**

Course and Hour Requirements

Title	Class	Lab	Clinical	Credit
General Education Courses				
ENG 111 Expository Writing	3	0	0	3
MAT 115 Mathematical Models OR	2	2	0	3
BIO 110 Principles of Biology	3	3	0	4
Required Major Courses				
ANS 110 Animal Science	3	0	0	3
ANS 115 Animal Feeds and Nutrition	2	2	0	3
ANS 120 Beef Production	2	2	0	3
ANS 130 Poultry Production	2	2	0	3
ANS 140 Swine Production	2	2	0	3
ANS 150 Animal Health Management	3	0	0	3
Complete 12 SHC from the courses listed below:				
AGR 110 Agricultural Economics	3	0	0	3
AGR 150 Ag-O-Metrics	3	0	0	3
AGR 226 Maintenance and Service of Production Facilities	2	2	0	3
ANS 141 Swine Herd Management	2	0	0	2
ANS 160 Animal Waste Management	3	0	0	3
ANS 193 Selected Topics in Animal Science	2	2	0	3
ANS 210 Livestock Production Issues	3	0	0	3
ANS 212 Livestock Records & Analysis	3	0	0	3
ANS 213 Animal Reproduction	2	2	0	3
CIS 111 Basic Computer Literacy	1	2	2	2
*COE 112 Co-op Work Experience I	0	0	20	2
BUS 137 Principles of Management	3	0	0	3
Other Required Courses				
ACA111 College Student Success	1	0	0	1
COE 110 World of Work	1	0	0	1
Total Semester Credit Hours				38

Approved for Awarding

Diploma

*An elective approved by the department chair may be taken in lieu of COE 112.

**LIVESTOCK AND POULTRY TECHNOLOGY
C15280**

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Clinical	Credit
Major Core Courses				
Select 3 SHC from the following courses:				
ANS 120 Beef Production	2	2	0	3
ANS 130 Poultry Production	2	2	0	3
ANS 140 Swine Production	2	2	0	3
Required Subject Area				
AGR 226 Maintenance and Service of Production Facilities	2	2	0	3
Other Major Courses				
Complete 6 SHC from the courses listed below:				
AGR 110 Agriculture Economics	3	0	0	3
AGR 150 Ag-O-Metrics	3	0	0	3
ANS 110 Animal Science	3	0	0	3
ANS 115 Animal Feeds and Nutrition	2	2	0	3
ANS 141 Swine Herd Management	2	0	0	2
ANS 150 Animal Health Management	3	0	0	3
ANS 160 Animal Waste Management	3	0	0	3
ANS 193 Selected Topics in Animal Science	2	2	0	3
ANS 210 Livestock Production Issues	3	0	0	3
ANS 212 Livestock Records & Analysis	3	0	0	3
ANS 213 Animal Reproduction	2	2	0	3
COE 110 World of Work	1	0	0	1
*COE 112 Co-op Work Experience	0	0	20	2
BUS 137 Principles of Management	3	0	0	3

Total Semester Credit Hours 12

Approved for Awarding Certificate

*An elective approved by the department chair may be taken in lieu of COE 112.

152 OFFICE SYSTEMS TECHNOLOGY

OFFICE SYSTEMS TECHNOLOGY A25360

The Office Systems Technology curriculum prepares individuals for positions in administrative support careers. It equips office professionals to respond to the demands of a dynamic computerized workplace.

Students will complete courses designed to develop proficiency in the use of integrated software, oral and written communication, analysis and coordination of office duties and systems, and other support topics. Emphasis is placed on non-technical as well as technical skills.

Graduates should qualify for employment in a variety of positions in business, government, and industry. Job classifications range from entry-level to supervisor to middle management.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
General Education Courses			
Humanities/Fine Arts Elective	3	0	3
PSY 118 Interpersonal Psychology	3	0	3
MAT 115 Mathematical Models	2	2	3
ENG 111 Expository Writing	3	0	3
ENG 114 Professional Research and Reporting	3	0	3
Major Courses			
Required Core Courses			
OST 164 Text Editing Applications	3	0	3
OST 184 Records Management	1	2	2
Required Subject Area			
OST 134 Text Entry and Formatting	2	2	3
OST 137 Office Software Applications	1	2	2
OST 289 Office Systems Management	2	2	3
Other Major Courses			
ACC 115 College Accounting	3	2	4
BUS 121 Business Math	2	2	3

OFFICE SYSTEMS TECHNOLOGY 153

		Class	Lab	Work	
				Exp	Credit
BUS260	Business Communication	3	0		3
OST132	Keyboard Skill Building	1	2		2
OST133	Advanced Keyboard Skill Building	1	2		2
OST135	Advanced Text Entry and Format	3	2		4
OST136	Word Processing	1	2		2
OST223	Machine Transcription I	1	2		2
OST233	Office Publications Design	2	2		3
OST236	Advanced Word/Information Processing	2	2		3
OST284	Emerging Technologies	1	2		2
OST286	Professional Development	3	0		3

Electives: Select **8** SHC from the list below: (Maximum of **8** SHC for COE)

CIS 111	Basic PC Literacy	1	2		2
CIS 120	Spreadsheet I	2	2		3
CIS 152	Database Concepts and Applications	2	2		3
CIS 172	Intro to the Internet	2	3		3
COE 111	Co-op Work Experience I	0	0	10	1
COE 112	Co-op Work Experience I	0	0	20	2
COE 121	Co-op Work Experience II	0	0	10	1
COE 122	Co-op Work Experience II	0	0	20	2
COE 131	Co-op Work Experience III	0	0	10	1
COE 132	Co-op Work Experience III	0	0	20	2
OST 131	Keyboarding	1	2		2
OST 141	Med Terms I-Medical Office	3	0		3
OST 142	Med Terms II-Medical Office	3	0		3
OST 148	Med Coding, Billing & Insur.	3	0		3
OST 181	Intro to Office Systems	2	2		3

Other Required Courses

ACA 111	College Student Success	1	0		1
COE 110	World of Work	1	0		1

Total Semester Credit Hours 71

Approved for Awarding AAS

154 OFFICE SYSTEMS TECHNOLOGY

**OFFICE SYSTEMS TECHNOLOGY
D25360**

COURSE AND HOUR REQUIREMENTS

Title	Class	Work		Credit
		Lab	Exp	
General Education Courses				
ENG 111	Expository Writing	3	0	3
ENG 114	Professional Research and Reporting	3	0	3
Major Courses				
Required Core Courses				
OST 164	Text Editing Applications	3	0	3
OST 184	Records Management	1	2	2
Required Subject Area				
OST 134	Text Entry and Formatting	2	2	3
OST 137	Office Software Applications	1	2	2
OST 289	Office Systems Management	2	2	3
Other Major Courses				
ACC 115	College Accounting	3	2	4
OST 132	Keyboard Skill Building	1	2	2
OST 133	Advanced Keyboard Skill Building	1	2	2
OST 135	Advanced Text Entry and Format	3	2	4
OST 136	Word Processing	1	2	2
OST 223	Machine Transcription I	1	2	2
OST 236	Advanced Word/Information Processing	2	2	3
OST 286	Professional Development	3	0	3
Electives: Select 2 SHC from list below (a maximum of 2 SHC may be selected as COE):				
BUS 121	Business Math	2	2	3
CIS 111	Basic PC Literacy	1	2	2

OFFICE SYSTEMS TECHNOLOGY 155

				Work	
		Class	Lab	Exp	Credit
CIS 120	Spreadsheet I	2	2		3
CIS 152	Database Concepts and Applications	2	2		3
CIS 172	Intro to the Internet	2	3		3
COE 111	Co-op Work Experience I	0	0	10	1
COE 112	Co-op Work Experience I	0	0	20	2
COE 121	Co-op Work Experience II	0	0	10	1
COE 122	Co-op Work Experience II	0	0	20	2
COE 131	Co-op Work Experience III	0	0	10	1
OST 131	Keyboarding	1	2		2
OST 141	Med Terms I-Medical Office	3	0		3
OST 142	Med Terms II-Medical Office	3	0		3
OST 148	Med Coding, Billing & Insur.	3	0		3
OST 181	Introduction to Office Systems	2	2		3

Other Required Hours

ACA 111	College Student Success	1	0		1
COE 110	World of Work	1	0		1

Total Semester Credit Hours 45

Approved for Awarding Diploma

**OFFICE SYSTEMS TECHNOLOGY
C25360**

COURSE AND HOUR REQUIREMENTS

Title

Major Courses

OST 135	Advanced Text Entry & Format (WordPerfect)	3	2		4
CIS 120	Spreadsheet (Excel)	2	2		3
OST 284	Emerging Technologies (Access)	1	2		2
OST 233	Office Publications Design (Pagemaker)	2	2		3
OST 137	Office Software Applications (PowerPoint)	1	2		2
CIS 172	Introduction to the Internet	2	3		3

Total Semester Credit Hours 17

Approved for Awarding Certificate

156 OFFICE SYSTEMS TECHNOLOGY

**OFFICE SYSTEMS TECHNOLOGY
MEDICAL CERTIFICATE
C25360M**

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
Major Courses			
OST 131 Keyboarding	1	2	2
OST 141 Medical Terminology I	3	0	3
OST 289 Office Systems Management	2	2	3
OST 136 Word Processing	1	2	2
OST 142 Medical Terminology II	3	0	3
OST 148 Medical Coding, Billing, and Insurance	3	0	3
Total Semester Credit Hours			16
Approved for Awarding			Certificate

**WELDING TECHNOLOGY
A50420**

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

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

Successful graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metal working industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

COURSE AND HOUR REQUIREMENTS

Title	Class	Lab	Credit
General Education Courses			
ENG 111 Expository Writing	3	0	3
ENG 114 Professional Research and Reporting	3	0	3
Humanities/Fine Arts Elective	3	0	3
MAT 115 Mathematical Models	2	2	3
Social/Behavioral Science Elective	3	0	3
Major Courses			
Required Core Courses			
WLD 110 Cutting Process	1	3	2
WLD 115 SMAW (Stick) Plate	2	9	5
WLD 121 GMAW (MIG) FCAW/Plate	2	6	4
WLD 131 GTAW (TIG) Plate	2	6	4
WLD 141 Symbols and Specifications	2	2	3

158 WELDING TECHNOLOGY

		Class	Lab	Credit
Other Major Courses				
WLD 116	SMAW (Stick) Plate	1	9	4
ISC 112	Industrial Safety	2	0	2
WLD 261	Certification Practices	1	3	2
WLD 262	Testing and Inspection	2	2	3
WLD 122	GMAW (MIG) Plate/Pipe	1	6	3
WLD 132	GTAW (Plate)(Pipe)	1	6	3
CIS 111	Basic PC Literacy	1	2	2
WLD 151	Fabrication I	2	6	4
WLD 215	SMAW (Stick) Pipe	1	9	4
WLD 221	SMAW (MIG) Pipe	1	6	3
WLD 145	Thermoplastic Welding	1	3	2
Other Required Courses				
ACA 111	College Student Success	1	0	1
COE 110	World of Work	1	0	1
Total Semester Credit Hours				67
Approved for Awarding				AAS

**WELDING TECHNOLOGY
D50420**

COURSE AND HOUR REQUIREMENTS

Title		Class	Lab	Credit
General Education Courses				
ENG 111	Expository Writing	3	0	3
MAT 115	Mathematical Models	2	2	3
Major Courses				
Required Core Courses				
WLD 110	Cutting Process	1	3	2
WLD 115	SMAW (Stick) Plate	2	9	5
WLD 121	GMAW (Mig) FCAW/Plate	2	6	4
WLD 131	GTAW (TIG) Plate	2	6	4
WLD 141	Symbols and Specifications	2	2	3

WELDING TECHNOLOGY 159

		Class	Lab	Credit
Other Major Courses				
ISC 112	Industrial Safety	2	0	2
WLD 116	SMAW (Stick) Plate	1	9	4
WLD 261	Certification Practices	1	3	2
WLD 262	Testing and Inspection	2	2	3
COE 110	World of Work	1	0	1
Other Required Courses				
ACA 111	College Student Success	1	0	1
Total Semester Credit Hours				37
Approved for Awarding			Diploma	

**WELDING TECHNOLOGY
MIG
C50420MG**

COURSE AND HOUR REQUIREMENTS

Title				
Major Courses				
WLD 110	Cutting Process	1	3	2
WLD 115	SMAW (Stick) Plate	2	9	5
WLD 121	GMAW (MIG) FCAW/Plate	2	6	4
WLD 122	GMAW (MIG) Plate/Pipe	1	6	3
Total Semester Credit Hours				14
Approved for Awarding			Certificate	

**WELDING TECHNOLOGY
TIG
C50420TG**

COURSE AND HOUR REQUIREMENTS

Title				
Major Courses				
WLD 110	Cutting Process	1	3	2
WLD 115	SMAW (Stick) Plate	2	9	5
WLD 131	GTAW (TIG) Plate	2	6	4
WLD 132	GTAW (TIG) Plate/Pipe	1	6	3
Total Semester Credit Hours				14
Approved for Awarding			Certificate	

160 WELDING TECHNOLOGY

**WELDING TECHNOLOGY
SMAW (Stick)
C50420SK**

COURSE AND HOUR REQUIREMENTS

Title		Class	Lab	Credit
Major Courses				
WLD 110	Cutting Process	1	3	2
WLD 115	SMAW (Stick) Plate	2	9	5
WLD 116	SMAW (Stick) Plate/Pipe	1	9	4
WLD 215	SMAW (Stick) Pipe	1	9	4
Total Semester Credit Hours				15
Approved for Awarding				Certificate

**WELDING TECHNOLOGY
SYMBOLS AND SPECIFICATIONS
C50420SS**

COURSE AND HOUR REQUIREMENTS

Title		Class	Lab	Credit
Major Courses				
WLD 110	Cutting Process	1	3	2
WLD 115	SMAW (Stick) Plate	2	9	5
WLD 141	Symbols & Specifications	2	2	3
ISC 112	Industrial Safety	2	0	2
Total Semester Credit Hours				12
Approved for Awarding				Certificate

Distance Learning

Purpose: The Distance Learning program provides access to quality education and instruction for both traditional and non-traditional students through various Distance Learning methods, i.e. North Carolina Information Highway (NCIH)/Two-way Interactive TV, Internet, and Tele-courses.

Distance Learning typically refers to the delivery of instruction in a non-traditional format in which the instructor and student are separated by physical distance. At SCC, students have the option to take full college credit courses without the typical restrictions of time and location. Internet or web-based courses provide educational opportunities that can alleviate conflicts with work, child-care, and transportation problems. NCIH classes are provided at a specific time and location but often include course offerings that are not listed in the SCC catalog and would not be available otherwise.

North Carolina Information Highway (NCIH)/Interactive (ITV) Courses are traditional in the sense that they meet at a specific time and location. NCIH/ITV classrooms are specially equipped with cameras, monitors, microphones, and speakers that allow for live, real-time interaction with instructors and students at remote locations. For classes that are being “received” at SCC, the instructor is teaching at another school and students will view the lecture presented on TV monitors. The technology enables students and instructors to see and hear each other even though they are in separate locations. The interaction is similar to a phone call in which you can see the person on the other end of the line while you are talking to them. Classes that are being “sent” or broadcast to other locations are typically very similar to traditional classes. The instructor is present at SCC, but the class involves interaction with students who are participating at a remote site. Trained SCC personnel facilitate all NCIH/ITV courses. Students enrolled in NCIH/ITV courses are fully oriented to all procedures on the first day of class and are asked to sign a statement indicating they understand and agree to adhere to the established guidelines for NCIH/ITV courses.

Technical Requirements for Internet Courses. Students must have regular access to a personal computer with a minimum 56K modem connection to the Internet. Internet browsers such as Netscape and Internet Explorer must be version 6.0 or higher. Specific software is required for some Internet courses. Microsoft Word is required for all Internet courses offered by the College. Microsoft Office (includes MS Word, PowerPoint, Excel, and Access) is required for all CIS 110 online classes at SCC.

Internet or Online Courses provide access to both college credit and non-credit courses via the Internet. Students enrolled in Internet courses interact and communicate with the instructor and other students via e-mail, discussion forums, and chat rooms as well as other traditional methods such as telephone and postal mail. Online course material is posted in Blackboard, a user-friendly platform that provides students with tools such as e-mail, online gradebook, and digital dropbox. Course content is presented primarily in text-based format so Internet courses are reading intensive and require self-motivation on the part of the student. Class assignments, projects, and tests are due at specific times, but course work can be completed on the student's schedule rather than at a specific time and place. Internet classes are accessible from any computer with Internet access. A one-time orientation session must be completed prior to beginning all Internet courses. During orientation, students will receive instructions specific for completing the course as well as a username and password. All Internet courses at SCC are password protected and all personal information is secure. Students enrolled in Internet courses are required to complete a checklist indicating they possess computer skills sufficient to successfully complete an online course.

Telecourses are non-traditional classes that provide instruction utilizing a series of television programs or a set of videotaped course content. There are no scheduled class meetings other than a one-time orientation. The instructor coordinates course assignments, testing, and grading, and guides students throughout the duration of the course. Communication occurs by telephone or e-mail and the instructor is available to students during office hours. Study and learning take place independently thereby placing greater responsibility on the student.

Registration Information: Distance Learning students have access to the same quality of instruction and support services as traditional students. Registration for Distance Learning courses at SCC takes place during normal registration periods. Students pay tuition and apply for financial aid on site for Distance Learning courses offered by SCC. For more information about Distance Learning courses offered at SCC, please contact the Distance Learning coordinator at (910) 592-8081, ext. 2044.

