

## Programs of Study

## Academic Transfer

### PROGRAMS OF STUDY

Bevill State's Academic Transfer Division offers transfer guides for several programs. Applicants must possess certain abilities to meet the required essential functions of each program. Orientation (ORI 107) is a prerequisite to all degree and certificate programs.

### Statewide Articulation Reporting System (STARS)

Students should become familiar with the Statewide Articulation Reporting System (STARS), which provides very specific information about the requirements in each subject area for a chosen transfer institution. The STARS website is <http://stars.troy.edu/>. From STARS, students can print a transfer guide for his/her major and enter into a binding contract with the transfer institution in his/her program of study. The contract is not binding on the student but is binding on the transfer institution provided that the student does not change majors and takes the courses listed on the transfer guide.

### Alabama General Studies Committee

The course offerings at Alabama Community Colleges have been evaluated and their transfer equivalency to four-year colleges and universities has been determined by the Alabama General Studies Committee (AGSC). This committee divided the academic transfer courses into three separate groups according in their transfer status.

The Associate Degree requires the completion of 60 semester hours and a specific requirement of 41 semester hours is common to all degrees except for those students majoring in engineering. This 41- hour group of courses is referred to as the Common Core. (Common Core for engineering includes only 35 semester hours.) Common Core courses are further separated by academic areas – AREA I (Written Composition), AREA II (Literature, Humanities Fine Arts), AREA III (Natural Sciences, Mathematics) and AREA IV (History, Social and Behavioral Sciences). The remaining 19 hours, which are specific to the student's major and other graduation requirements, appear as AREA V (Major, Minor, Elective Courses). A single course can be used to meet course requirements in only ONE AREA. Courses that satisfy the requirements in AREAS I through IV and that meet the common core requirement are designated as Code A courses. Courses that can be used only to meet major, minor or graduation requirements are listed as Code B courses. The remaining courses are designated as Code C. Code C courses are potentially transferrable as AREA V courses but must be articulated individually with the transfer institution.

Students who are pursuing four-year degrees should follow the transfer guide for their major. Transfer guides for most majors are found on the following pages. The transfer institution's catalog and/or website provides specific transfer requirements in AREA I through AREA V.

### STARS University Parallel Approved Common Core Courses

#### AREA I: Written Communications - 6 hours

ENG 101 - English Composition I  
ENG 102 - English Composition II

#### AREA II: Literature, Humanities and Fine Arts - 12 hours

##### \*Literature (3-6)

ENG 251 - American Literature I  
ENG 252 - American Literature II OR ENG 261 - English Literature I  
ENG 262 - English Literature II OR ENG 271 - World Literature I  
ENG 272 - World Literature II

##### Fine Arts (3)

ART 100 - Art Appreciation  
ART 203 - Art History I  
ART 204 - Art History II  
MUS 101 - Music Appreciation  
THR 120 - Theatre Appreciation

##### Speech (3)

SPH 106 - Fund. of Oral Communication OR SPH 107 - Fund. of Public Speaking

##### Additional Humanities (0-3)

PHL 106 - Introduction to Philosophy  
PHL 206 - Ethics and Society  
REL 100 - History of World Religion  
REL 151 - Survey of the Old Testament  
REL 152 - Survey of the New Testament  
SPA 101 - Introductory Spanish I  
SPA 102 - Introductory Spanish II

#### AREA III: Natural Science and Mathematics - 11 hours

##### Mathematics (3-4)

MTH 110 - Finite Mathematics  
MTH 112 - Precalculus Algebra  
MTH 113 - Precalculus Trigonometry  
MTH 115 - Precalculus Algebra and Trig.  
MTH 120 - Calculus and Its Applications  
MTH 125 - Calculus I

## Natural Sciences (8)

AST 220 - Introduction to Astronomy  
BIO 103 - Principles of Biology I  
BIO 104 - Principles of Biology II  
CHM 104 - Intro. to Inorganic Chemistry  
CHM 105 - Intro. to Organic Chemistry  
CHM 111 - College Chemistry I  
CHM 112 - College Chemistry II  
GLY 101 - Intro to Geology I  
GLY 102 - Intro to Geology II  
PHS 111 - Physical Science I  
PHS 112 - Physical Science II  
PHY 120 - Intro to Physics 12  
PHY 201 - General Physics I  
PHY 202 - General Physics II  
PHY 213 - General Physics w/Calculus I  
PHY 214 - General Physics w/Calculus II

## AREA IV: History, Social and Behavioral Science - 12 hours

### \*History (3-6)

HIS 101 - Western Civilization I/HIS 102 - Western Civilization II OR  
HIS 121 - World History I/HIS 122 - World History II OR  
HIS 201 - United States History I/HIS 202 - United States History II

### \*\*Additional History, Social and Behavioral Sciences (6-9)

ANT 200 - Introduction to Anthropology  
ANT 210 - Physical Anthropology  
ANT 220 - Cultural Anthropology  
ANT 230 - Introduction to Archeology  
ECO 231 - Macroeconomics  
ECO 232 - Microeconomics  
GEO 100 - World Regional Geography  
POL 200 - Introduction to Political Science  
POL 211 - American National Government  
PSY 200 - General Psychology  
PSY 210 - Human Growth and Development  
SOC 200 - Introduction to Sociology  
SOC 210 - Social Problems  
SPH 116 - Intro to Interpersonal Communication

Two-semester sequence required in literature or history. Most majors at Auburn University require a two-semester sequence in both History & Literature. UAB accepts ECO 231/232 as two-semester sequence in lieu of literature or history. Requirements will vary according to transfer institution. Students should consult the catalog or website of the specific transfer institution to determine the specific courses within each AREA. In the event that a question cannot be readily answered, the STARS guide should always take precedence. Some programs require both CHM 111 & 112. Chemical Engineers must complete CHM 111 & 112 (8 hrs) and CHM 221 and 222 (8 hrs). # MUS 211/213 & MUS 212/214 are junior level courses at some transfer institutions and will not be accepted for transfer.

## AREA V: Major, minor and Elective Courses - 19 hours

Courses taken in AREA V are those that provide the student with the knowledge and experiences in his/her chosen major or area of concentration. The course requirements listed within AREA V of each program of study should be used as a guide and may vary depending upon the transfer institution. For guidance in the identification of the specific course requirements in the major or minor, the student should refer to the transfer institution's catalog or website. Also, the AGSC transfer guide (STARS guide) for each public transfer institution in the state of Alabama is readily available on the web at <http://stars.troy.edu> and should be utilized.

## Transfer Guides

### Transfer Guide - Biological Sciences (BIO)

All Locations

Program: [Biological Sciences](#)

Type: Associate in Science

### Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
	<b>Sub-Total Credits</b>	<b>6</b>

## Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
	Literature	3 - 6
	Fine Arts	3
	SPH 106 or SPH 107	3
	Additional Literature, Humanities, Fine Arts	3
	<b>Sub-Total Credits</b>	<b>12</b>

## Area III: Mathematics and Natural Sciences

Item #	Title	Credits
MTH 112	PRECALCULUS ALGEBRA	3
BIO 103	PRINCIPLES OF BIOLOGY I	4
BIO 104	PRINCIPLES OF BIOLOGY II	4
	<b>Sub-Total Credits</b>	<b>11</b>

## Area IV: History, Social & Behavioral Science

Maximum of 6 hours in History

Item #	Title	Credits
	History	3 - 6
	Additional History, Social & Behavioral Science	6 - 9
	<b>Sub-Total Credits</b>	<b>12</b>

## Area V: Pre-Professional, Major and Electives

Choose a minimum of 19 hours

Item #	Title	Credits
CHM 111	COLLEGE CHEMISTRY I	4
CHM 112	COLLEGE CHEMISTRY II	4
CHM 221	ORGANIC CHEMISTRY I	4
CHM 222	ORGANIC CHEMISTRY II	4
	PHY 201-202 or PHY 213-214	8
MTH 125	CALCULUS I	4
CIS 146	MICROCOMPUTER APPLICATIONS	3
	<b>Sub-Total Credits</b>	<b>19</b>
	Total credits for degree:	60

## Transfer Guide - Business Administration (BUA)

All Locations

Program: [Business](#)

Type: Associate in Science

### Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
	<b>Sub-Total Credits</b>	<b>6</b>

## Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
	Literature	3 - 6
	Fine Arts	3
	SPH 106 or SPH 107	3
	Additional Literature, Humanities, Fine Arts	3
	<b>Sub-Total Credits</b>	<b>12</b>

### Area III: Mathematics and Natural Sciences

Item #	Title	Credits
MTH 112	PRECALCULUS ALGEBRA	3
	Natural Sciences	8
	<b>Sub-Total Credits</b>	<b>11</b>

### Area IV: History, Social & Behavioral Science

Item #	Title	Credits
	History	3 - 6
ECO 231	PRINCIPLES OF MACROECONOMICS	3
ECO 232	PRINCIPLES OF MICROECONOMICS	3
	History or Social/Behavioral Science Elective	3
	<b>Sub-Total Credits</b>	<b>12</b>

### Area V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
BUS 241	PRINCIPLES OF ACCOUNTING I	3
BUS 242	PRINCIPLES OF ACCOUNTING II	3
BUS 263	THE LEGAL AND SOCIAL ENVIRONMENT OF BUSINESS	3
BUS 271	BUSINESS STATISTICS I	3
BUS 272	BUSINESS STATISTICS II	3
CIS 146	MICROCOMPUTER APPLICATIONS	3
	MTH 120 or MTH 125 or Advisor Approved Elective	3 - 4
	<b>Sub-Total Credits</b>	<b>19</b>
	Total credits for degree:	60

### Transfer Guide - Chemistry (CHM)

All Locations

Program: [Chemistry](#)

Type: Associate in Science

### Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
	<b>Sub-Total Credits</b>	<b>6</b>

### Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
	Literature	3 - 6
	Fine Arts	3
	SPH 106 or SPH 107	3
	Additional Literature, Humanities, Fine Arts	3
	<b>Sub-Total Credits</b>	<b>12</b>

### Area III: Mathematics and Natural Sciences

Item #	Title	Credits
MTH 125	CALCULUS I	4
CHM 111	COLLEGE CHEMISTRY I	4
CHM 112	COLLEGE CHEMISTRY II	4
	<b>Sub-Total Credits</b>	<b>12</b>

## Area IV: History, Social & Behavioral Science

Item #	Title	Credits
	History	3 - 6
	Additional History, Social & Behavioral Science	6 - 9
	<b>Sub-Total Credits</b>	<b>12</b>

## AREA V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
CHM 221	ORGANIC CHEMISTRY I	4
CHM 222	ORGANIC CHEMISTRY II	4
	PHY 201-202 or PHY 213-214	8
MTH 126	CALCULUS II	4
MTH 227	CALCULUS III	4
CIS 146	MICROCOMPUTER APPLICATIONS	3
	<b>Sub-Total Credits</b>	<b>27</b>
	Total credits for degree:	60

## Transfer Guide - Computer Science (CSC)

All Locations

Program: [Computer Science](#)

Type: Associate in Science

## Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
	<b>Sub-Total Credits</b>	<b>6</b>

## Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
	Literature	3 - 6
	Fine Arts	3
	SPH 106 or SPH 107	3
	Additional Literature, Humanities, Fine Arts	3
	<b>Sub-Total Credits</b>	<b>12</b>

## Area III: Mathematics and Natural Sciences

Item #	Title	Credits
MTH 125	CALCULUS I	4
	Natural Sciences	8
	<b>Sub-Total Credits</b>	<b>12</b>

## Area IV: History, Social & Behavioral Science

(Maximum of 6 hours history)

Item #	Title	Credits
	History	3 - 6
	Additional History, Social & Behavioral Science	6 - 9
	<b>Sub-Total Credits</b>	<b>12</b>

## Area V: Pre-Professional, Major and Electives

Choose a minimum of 19 hours

Item #	Title	Credits
MTH 126	CALCULUS II	4
MTH 227	CALCULUS III	4
CIS 146	MICROCOMPUTER APPLICATIONS	3
CIS 251	C++ PROGRAMMING	3
CIS 285	OBJECT ORIENTED PROGRAMMING	3
	Approved CIS elective or MTH elective	3
	<b>Sub-Total Credits</b>	<b>20</b>
	Total credits for degree:	62

## Transfer Guide - Criminal Justice (CRJ)

All Locations

Program: [Criminal Justice](#)

Type: Associate in Arts

### Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
	<b>Sub-Total Credits</b>	<b>6</b>

### Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
	Literature	3 - 6
	Fine Arts	3
	SPH 106 or SPH 107	3
	Additional Literature, Humanities, Fine Arts	3
	<b>Sub-Total Credits</b>	<b>12</b>

### Area III: Mathematics and Natural Sciences

Item #	Title	Credits
MTH 110	FINITE MATHEMATICS	3
	Natural Sciences	8
	<b>Sub-Total Credits</b>	<b>11</b>

### Area IV: History, Social & Behavioral Science

(Maximum of 6 hours in History)

Item #	Title	Credits
	History, Social & Behavioral Science	3 - 6
	Additional History, Social and Behavioral Science Courses	6
	<b>Sub-Total Credits</b>	<b>12</b>

## Area V: Pre-Professional, Major and Electives

Choose a minimum of 19 hours

Item #	Title	Credits
CIS 146	MICROCOMPUTER APPLICATIONS	3
	CRJ 100 and CRJ 110, 150 or 160	6 - 9
	Additional History, Social & Behavioral Sciences Courses	7 - 10
	<b>Sub-Total Credits</b>	<b>20</b>
	Total credits for degree:	60

## Transfer Guide - Early Childhood Education (EED)

All Locations

Program: [Early Childhood Education \(EED\)](#)**Area I: Written Composition**

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
<b>Sub-Total Credits</b>		<b>6</b>

**Area II: Literature, Humanities and Fine Arts**

Item #	Title	Credits
	Literature	3
	Fine Arts	3
	SPH 106 or SPH 107	3
	Humanities/Fine Arts Elective	3
<b>Sub-Total Credits</b>		<b>12</b>

**Area III: Mathematics and Natural Sciences**

Item #	Title	Credits
MTH 110	FINITE MATHEMATICS	3
BIO 103	PRINCIPLES OF BIOLOGY I	4
BIO 104	PRINCIPLES OF BIOLOGY II	4
<b>Sub-Total Credits</b>		<b>11</b>

**Area IV: History, Social & Behavioral Science**

Item #	Title	Credits
	History	3 - 6
PSY 200	GENERAL PSYCHOLOGY	3
	History, Social & Behavioral Science	3 - 6
<b>Sub-Total Credits</b>		<b>12</b>

**Area V: Pre-Professional, Major & Electives**

Choose a minimum of 19 hours

Item #	Title	Credits
	Physical Science	4
	Upper level Mathematics, MTH 110, 113, 120, 125 or higher	3
	Any Two Math Courses at 100 level or higher	6
CHD 206	CHILDREN'S HEALTH AND SAFETY	3
CHD 209	INFANT AND TODDLER EDUCATION PROGRAMS	3
	CHD 203, 204, 205 or 215	3
	Physical Education	1
<b>Sub-Total Credits</b>		<b>23</b>
Total credits for degree:		60

**Transfer Guide - Elementary Education (EED)**

All Locations

Program: [Elementary Education \(EED\)](#)

Type: Associate in Arts

**Area I: Written Composition**

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
<b>Sub-Total Credits</b>		<b>6</b>

## Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
	Literature	3 - 6
	Fine Arts	3
	SPH 106 or SPH 107	3
	Additional Literature, Humanities, Fine Arts	3
	<b>Sub-Total Credits</b>	<b>12</b>

## Area III: Mathematics and Natural Sciences

Item #	Title	Credits
	MTH 110 or MTH 112	3
	Natural Sciences	8
	<b>Sub-Total Credits</b>	<b>11</b>

## Area IV: History, Social & Behavioral Science

Item #	Title	Credits
	History	3 - 6
	Additional History, Social & Behavioral Science	6 - 9
	<b>Sub-Total Credits</b>	<b>12</b>

## Area V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
	Upper level Mathematics, MTH 110, 113, 120, 125 or higher	3
	Additional Sciences	4 - 8
CIS 146	MICROCOMPUTER APPLICATIONS	3
	Electives	3
	<b>Sub-Total Credits</b>	<b>19</b>
	Total credits for degree:	60

## Transfer Guide - Engineering (EGR)

All Locations

Program: [Engineering](#)

Type: Associate in Science

## Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
	<b>Sub-Total Credits</b>	<b>6</b>

## Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
	Literature	3
	Fine Arts	3
	SPH 106 or SPH 107	3
	<b>Sub-Total Credits</b>	<b>9</b>

## Area III: Mathematics and Natural Sciences

Item #	Title	Credits
MTH 125	CALCULUS I	4
PHY 213	GENERAL PHYSICS WITH CAL I	4
PHY 214	GENERAL PHYSICS WITH CAL II	4
	<b>Sub-Total Credits</b>	<b>12</b>



## Area IV History, Social & Behavioral Science

Item #	Title	Credits
	History Courses	6
	History or Social/Behavioral Science Elective	3
	<b>Sub-Total Credits</b>	<b>9</b>

## Area V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
MTH 126	CALCULUS II	4
MTH 227	CALCULUS III	4
CHM 111	COLLEGE CHEMISTRY I	4
MTH 237	LINEAR ALGEBRA	3
MTH 238	APPLIED DIFFERENTIAL EQUATIONS I	3
EGR 101	ENGINEERING FOUNDATIONS	3
EGR 125	MODERN GRAPHICS FOR ENGINEERS	3
EGR 157	COMPUTER METHODS FOR EGR USING MATLAB	3
EGR 220	ENGINEERING MECHANICS-STATICS	3
CIS 146	MICROCOMPUTER APPLICATIONS	3
	<b>Sub-Total Credits</b>	<b>33</b>
	Total credits for degree:	60

## Transfer Guide - English/Language Arts (ENG)

All Locations

Program: [English](#)

Type: Associate in Arts

### Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
	<b>Sub-Total Credits</b>	<b>6</b>

### Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
	Literature Courses	6
	Fine Arts	3
	SPH 106 or SPH 107	3
	<b>Sub-Total Credits</b>	<b>12</b>

### Area III: Mathematics and Natural Sciences

Item #	Title	Credits
	MTH 110 or MTH 112	3
	Natural Sciences	8
	<b>Sub-Total Credits</b>	<b>11</b>

### Area IV: History, Social & Behavioral Science

Item #	Title	Credits
	History	3
PSY 200	GENERAL PSYCHOLOGY	3
	Additional History, Social and Behavioral Science Courses	6
	<b>Sub-Total Credits</b>	<b>12</b>

## Area V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
	Additional Literature (consult transfer institution)	9
CIS 146	MICROCOMPUTER APPLICATIONS	3
	Electives	7 - 16
	<b>Sub-Total Credits</b>	<b>19</b>
	Total credits for degree:	60

## Transfer Guide - Forestry - Auburn University (FOR)

All Locations

Program: [Forestry](#)

Type: Associate in Science

## Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
	<b>Sub-Total Credits</b>	<b>6</b>

## Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
	Literature	3
	Fine Arts	3
	SPH 106 or SPH 107	3
	Additional Literature OR Humanities	3
	<b>Sub-Total Credits</b>	<b>12</b>

## Area III: Mathematics and Natural Sciences

Item #	Title	Credits
MTH 113	PRECALCULUS TRIGONOMETRY	3
BIO 103	PRINCIPLES OF BIOLOGY I	4
BIO 104	PRINCIPLES OF BIOLOGY II	4
	<b>Sub-Total Credits</b>	<b>11</b>

## Area IV: History, Social & Behavioral Science

Item #	Title	Credits
	History Courses	6
ECO 232	PRINCIPLES OF MICROECONOMICS	3
	History or Social/Behavioral Science Elective	3
	<b>Sub-Total Credits</b>	<b>12</b>

## Area V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
	CHM 104 and CHM 105 (preferred) or CHM 111 and CHM 112	8
MTH 265	ELEMENTARY STATISTICS	3
BUS 241	PRINCIPLES OF ACCOUNTING I	3
CIS 146	MICROCOMPUTER APPLICATIONS	3
	Electives	3
	<b>Sub-Total Credits</b>	<b>20</b>
	Total credits for degree:	61

## Transfer Guide - General Studies (GS)

All Locations

Program: [General Studies](#)

Type: Associate in Science

### Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
<b>Sub-Total Credits</b>		<b>6</b>

### Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
	Literature	3 - 6
	Fine Arts	3
	SPH 106 or SPH 107	3
	Additional Literature, Humanities, Fine Arts	3
<b>Sub-Total Credits</b>		<b>12</b>

### Area III: Mathematics and Natural Sciences

Item #	Title	Credits
	MTH 110 or MTH 112	3
	Natural Sciences	8
<b>Sub-Total Credits</b>		<b>11</b>

### Area IV: History, Social & Behavioral Science

Item #	Title	Credits
	History	3 - 6
	Additional History, Social & Behavioral Science	6 - 9
<b>Sub-Total Credits</b>		<b>12</b>

### Area V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
	Additional General Studies Courses	16 - 20
CIS 146	MICROCOMPUTER APPLICATIONS	3
<b>Sub-Total Credits</b>		<b>19</b>

Total credits for degree: 60

## Transfer Guide - Health, Physical Education & Recreation (HPR)

All Locations

Program: [Physical Education](#)

Type: Associate in Arts

### Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
<b>Sub-Total Credits</b>		<b>6</b>

### Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
	Literature	3 - 6
	Fine Arts	3
	SPH 106 or SPH 107	3
	Additional Literature, Humanities, Fine Arts	3
<b>Sub-Total Credits</b>		<b>12</b>

### Area III: Mathematics and Natural Sciences

Item #	Title	Credits
MTH 112	PRECALCULUS ALGEBRA	3
BIO 103	PRINCIPLES OF BIOLOGY I	4
CHM 104	INTRODUCTION TO INORGANIC CHEMISTRY	4
<b>Sub-Total Credits</b>		<b>11</b>

### Area IV: History, Social & Behavioral Science

Item #	Title	Credits
	History	3 - 6
	Additional History, Social & Behavioral Science	6 - 9
<b>Sub-Total Credits</b>		<b>12</b>

### Area V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
BIO 201	HUMAN A & P I	4
BIO 202	HUMAN A & P II	4
	HED 221 or HED 222	3
HED 231	FIRST AID	3
CIS 146	MICROCOMPUTER APPLICATIONS	3
	Electives	3 - 6
<b>Sub-Total Credits</b>		<b>20</b>
Total credits for degree:		61

### Transfer Guide - History (HIS)

All Locations

Program: [History](#)

Type: Associate in Arts

### Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
<b>Sub-Total Credits</b>		<b>6</b>

### Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
	Literature	3 - 6
	Fine Arts	3
	SPH 106 or SPH 107	3
	Additional Literature, Humanities, Fine Arts	3
<b>Sub-Total Credits</b>		<b>12</b>

### Area III: Mathematics and Natural Sciences

Item #	Title	Credits
MTH 110	FINITE MATHEMATICS	3
BIO 103	PRINCIPLES OF BIOLOGY I	4
BIO 104	PRINCIPLES OF BIOLOGY II	4
<b>Sub-Total Credits</b>		<b>11</b>

## Area IV: History, Social & Behavioral Science

Item #	Title	Credits
HIS 101	WESTERN CIVILIZATION I	3
HIS 102	WESTERN CIVILIZATION II	3
PSY 200	GENERAL PSYCHOLOGY	3
	SOC 200/GEO 100/POL 200/ECO 231	3
	<b>Sub-Total Credits</b>	<b>12</b>

## Area V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
HIS 201	UNITED STATES HISTORY I	3
HIS 202	UNITED STATES HISTORY II	3
CIS 146	MICROCOMPUTER APPLICATIONS	3
	Electives	10
	<b>Sub-Total Credits</b>	<b>19</b>
	Total credits for degree:	60

## Transfer Guide - Liberal Arts (LA)

All Locations

Program: [Liberal Arts](#)

Type: Associate in Arts

## Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
	<b>Sub-Total Credits</b>	<b>6</b>

## Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
	Literature	3 - 6
	Fine Arts	3
	SPH 106 or SPH 107	3
	Additional Literature, Humanities, Fine Arts	3
	<b>Sub-Total Credits</b>	<b>12</b>

## Area III: Mathematics and Natural Sciences

Item #	Title	Credits
	MTH 110 or MTH 112	3
	Natural Sciences	8
	<b>Sub-Total Credits</b>	<b>11</b>

## Area IV: History, Social & Behavioral Science

Item #	Title	Credits
	History	3 - 6
	Additional History, Social & Behavioral Science	6 - 9
	<b>Sub-Total Credits</b>	<b>12</b>

## Area V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
	Additional Liberal Arts Courses	16 - 20
CIS 146	MICROCOMPUTER APPLICATIONS	3
	<b>Sub-Total Credits</b>	<b>19</b>

Total credits for degree: 60

## Transfer Guide - Mathematics (MTH)

All Locations

Program: [Mathematics](#)

Type: Associate in Science

### Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
<b>Sub-Total Credits</b>		<b>6</b>

### Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
	Literature	3 - 6
	Fine Arts	3
	SPH 106 or SPH 107	3
	Additional Literature, Humanities, Fine Arts	3
<b>Sub-Total Credits</b>		<b>12</b>

### Area III: Mathematics and Natural Sciences

Item #	Title	Credits
MTH 125	CALCULUS I	4
	Natural Sciences	8
<b>Sub-Total Credits</b>		<b>12</b>

### Area IV: History, Social & Behavioral Science

Item #	Title	Credits
	History	3 - 6
	Additional History, Social & Behavioral Science	6 - 9
<b>Sub-Total Credits</b>		<b>12</b>

### Area V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
MTH 126	CALCULUS II	4
MTH 227	CALCULUS III	4
MTH 237	LINEAR ALGEBRA	3
MTH 238	APPLIED DIFFERENTIAL EQUATIONS I	3
CIS 146	MICROCOMPUTER APPLICATIONS	3
	Elective	1
<b>Sub-Total Credits</b>		<b>18</b>
Total credits for degree:		60

## Transfer Guide - Music (MUS)

All Locations

Program: [Music](#)

Type: Associate in Science

### Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
<b>Sub-Total Credits</b>		<b>6</b>

## Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
	Literature	3 - 6
MUS 101	MUSIC APPRECIATION	3
	SPH 106 or SPH 107	3
	Additional Literature, Humanities, Fine Arts	3
	<b>Sub-Total Credits</b>	<b>12</b>

## Area III: Mathematics and Natural Sciences

Item #	Title	Credits
	MTH 110 or MTH 112	3
	Natural Sciences	8
	<b>Sub-Total Credits</b>	<b>11</b>

## Area IV: History, Social & Behavioral Science

Item #	Title	Credits
	History	3 - 6
	Additional History, Social & Behavioral Science	6 - 9
	<b>Sub-Total Credits</b>	<b>12</b>

## Area V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
MUS 111	MUSIC THEORY I	3
MUS 112	MUSIC THEORY II	3
MUS 113	MUSIC THEORY LAB I	1
MUS 114	MUSIC THEORY LAB II	1
	Additional Music Courses	6
	MUL Course	2
CIS 146	MICROCOMPUTER APPLICATIONS	3
	<b>Sub-Total Credits</b>	<b>19</b>
	Total credits for degree:	60

## Transfer Guide - Pre-Nursing (BSN)

All Locations

Program: [Pre-Nursing \(BSN\)](#)

### Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
	<b>Sub-Total Credits</b>	<b>6</b>

### Area II: Literature, Humanities & Fine Arts

Item #	Title	Credits
	Literature Courses	6
	Fine Arts	3
	SPH 106 or SPH 107	3
	<b>Sub-Total Credits</b>	<b>12</b>

### Area III: Mathematics and Natural Sciences

Item #	Title	Credits
MTH 112	PRECALCULUS ALGEBRA	3
BIO 103	PRINCIPLES OF BIOLOGY I	4
CHM 104	INTRODUCTION TO INORGANIC CHEMISTRY	4
<b>Sub-Total Credits</b>		<b>11</b>

### Area IV: History, Social & Behavioral Science

Item #	Title	Credits
	History	3
PSY 200	GENERAL PSYCHOLOGY	3
PSY 210	HUMAN GROWTH AND DEVELOPMENT	3
SOC 200	INTRODUCTION TO SOCIOLOGY	3
<b>Sub-Total Credits</b>		<b>12</b>

### Area V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
BIO 201	HUMAN A & P I	4
BIO 202	HUMAN A & P II	4
BIO 220	GENERAL MICROBIOLOGY	4
BIO 230	HUMAN PATHOPHYSIOLOGY	4
BUS 271	BUSINESS STATISTICS I	3
CHM 105	INTRODUCTION TO ORGANIC CHEMISTRY	4
HEC 140	PRINCIPLES OF NUTRITION	3
CIS 146	MICROCOMPUTER APPLICATIONS	3
PHL 206	ETHICS AND SOCIETY	3
<b>Sub-Total Credits</b>		<b>19</b>
Total credits for degree:		60

### Transfer Guide - Psychology (PSY)

All Locations

Program: [Psychology](#)

Type: Associate in Science

### Area 1: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
<b>Sub-Total Credits</b>		<b>6</b>

### Area II: Literature, Humanities & Fine Arts

Item #	Title	Credits
	Literature	3 - 6
	Fine Arts	3
	SPH 106 or SPH 107	3
	Additional Literature, Humanities, Fine Arts	3
<b>Sub-Total Credits</b>		<b>12</b>

### Area III: Mathematics and Natural Sciences

Item #	Title	Credits
	MTH 110 or MTH 112	3
	Natural Sciences	8
<b>Sub-Total Credits</b>		<b>11</b>



## Area IV: History, Social & Behavioral Science

Item #	Title	Credits
	History	3 - 6
PSY 200	GENERAL PSYCHOLOGY	3
	History, Social & Behavioral Science	3 - 6
	<b>Sub-Total Credits</b>	<b>12</b>

## Area V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
	Additional Courses (Refer to the College catalog, website, or the STARS guide.)	17 - 20
CIS 146	MICROCOMPUTER APPLICATIONS	3
	<b>Sub-Total Credits</b>	<b>19</b>
	Total credits for degree:	60

## Transfer Guide - Secondary Education (SED)

All Locations

Program: [Secondary Education](#)

Type: Associate in Arts

## Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
	<b>Sub-Total Credits</b>	<b>6</b>

## Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
	Literature	3 - 6
	Fine Arts	3
	SPH 106 or SPH 107	3
	Humanities/Fine Arts Elective	3
	<b>Sub-Total Credits</b>	<b>12</b>

## Area III: Mathematics and Natural Sciences

Item #	Title	Credits
	MTH 110 or MTH 112	3
	Natural Sciences	8
	<b>Sub-Total Credits</b>	<b>11</b>

## Area IV: History, Social & Behavioral Science

Item #	Title	Credits
	History	3 - 6
PSY 200	GENERAL PSYCHOLOGY	3
	Additional History, Social and Behavioral Science	3
	<b>Sub-Total Credits</b>	<b>12</b>

## Area V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
CIS 146	MICROCOMPUTER APPLICATIONS	3
	See Area V Transfer Institution for specific requirements by major.	16 - 20
	<b>Sub-Total Credits</b>	<b>19</b>
	Total credits for degree:	60

## Transfer Guide - Pre-Professional (PPR) Pre-Medicine, Pre-Dentistry, Pre-Optometry

All Locations

Program: [Pre-Professional](#)

Type: Associate in Science

### Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
<b>Sub-Total Credits</b>		<b>6</b>

### Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
	Literature	3 - 6
	Fine Arts	3
	SPH 106 or SPH 107	3
	Additional Literature, Humanities, Fine Arts	3
<b>Sub-Total Credits</b>		<b>12</b>

### Area III: Mathematics and Natural Sciences

Item #	Title	Credits
MTH 112	PRECALCULUS ALGEBRA	3
BIO 103	PRINCIPLES OF BIOLOGY I	4
BIO 104	PRINCIPLES OF BIOLOGY II	4
<b>Sub-Total Credits</b>		<b>11</b>

### Area IV: History, Social & Behavioral Science

Item #	Title	Credits
	History	3 - 6
	Additional History, Social & Behavioral Science	6 - 9
<b>Sub-Total Credits</b>		<b>12</b>

### Area V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
BIO 220	GENERAL MICROBIOLOGY	4
MTH 265	ELEMENTARY STATISTICS	3
CHM 111	COLLEGE CHEMISTRY I	4
CHM 221	ORGANIC CHEMISTRY I	4
	PHY 201-202 or PHY 213-214	8
MTH 125	CALCULUS I	4
CIS 146	MICROCOMPUTER APPLICATIONS	3
<b>Sub-Total Credits</b>		<b>19</b>
Total credits for degree:		60

### Transfer Guide - Pre-Professional (PPR) Pre-Veterinary Medicine

All Locations

Program: [Pre-Professional](#)

Type: Associate in Science

### Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
<b>Sub-Total Credits</b>		<b>6</b>

## Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
ENG 271	WORLD LITERATURE I	3
ENG 272	WORLD LITERATURE II	3
	Fine Arts	3
	SPH 106 or SPH 107	3
	<b>Sub-Total Credits</b>	<b>12</b>

## Area III: Mathematics and Natural Sciences

Item #	Title	Credits
MTH 115	PRECALCULUS ALGEBRA & TRIGONOMETRY	4
BIO 103	PRINCIPLES OF BIOLOGY I	4
BIO 104	PRINCIPLES OF BIOLOGY II	4
	<b>Sub-Total Credits</b>	<b>11</b>

## Area IV: History, Social & Behavioral Science

Item #	Title	Credits
HIS 101	WESTERN CIVILIZATION I	3
HIS 102	WESTERN CIVILIZATION II	3
	PSY 200 or SOC 200	3
	ECO 232 or POL 211	3
	<b>Sub-Total Credits</b>	<b>12</b>

## Area V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
CHM 111	COLLEGE CHEMISTRY I	4
CHM 112	COLLEGE CHEMISTRY II	4
CHM 221	ORGANIC CHEMISTRY I	4
CHM 222	ORGANIC CHEMISTRY II	4
	PHY 201-202 or PHY 213-214	8
CIS 146	MICROCOMPUTER APPLICATIONS	3
PHL 206	ETHICS AND SOCIETY	3
	<b>Sub-Total Credits</b>	<b>17</b>
	Total credits for degree:	58

## Transfer Guide - Pre-Professional (PPR) Pre-Pharmacy Auburn University

All Locations

Program: [Pre-Professional](#)

Type: Associate in Science

## Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
	<b>Sub-Total Credits</b>	<b>6</b>

## Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
ENG 271	WORLD LITERATURE I	3
ENG 272	WORLD LITERATURE II	3
	Fine Arts	3
	SPH 106 or SPH 107	3
	<b>Sub-Total Credits</b>	<b>12</b>

### Area III: Mathematics and Natural Sciences

Item #	Title	Credits
MTH 125	CALCULUS I	4
CHM 111	COLLEGE CHEMISTRY I	4
CHM 112	COLLEGE CHEMISTRY II	4
<b>Sub-Total Credits</b>		<b>12</b>

### Area IV: History, Social & Behavioral Science

Item #	Title	Credits
HIS 101	WESTERN CIVILIZATION I	3
HIS 102	WESTERN CIVILIZATION II	3
PSY 200	GENERAL PSYCHOLOGY	3
SOC 200	INTRODUCTION TO SOCIOLOGY	3
ECO 232	PRINCIPLES OF MICROECONOMICS	3
<b>Sub-Total Credits</b>		<b>12</b>

### Area V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
BIO 103	PRINCIPLES OF BIOLOGY I	4
BIO 201	HUMAN A & P I	4
BIO 202	HUMAN A & P II	4
CHM 221	ORGANIC CHEMISTRY I	4
PHY 201	GENERAL PHYSICS I-TRIG BASED	4
MTH 265	ELEMENTARY STATISTICS	3
PHL 206	ETHICS AND SOCIETY	3
CIS 146	MICROCOMPUTER APPLICATIONS	3
<b>Sub-Total Credits</b>		<b>18</b>
Total credits for degree:		60

## Transfer Guide - Pre-Professional (PPR) Pre-Pharmacy Samford University

All Locations

Program: [Pre-Professional](#)

Type: Associate in Science

### Area I: Written Composition

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
ENG 102	ENGLISH COMPOSITION II	3
<b>Sub-Total Credits</b>		<b>6</b>

### Area II: Literature, Humanities and Fine Arts

Item #	Title	Credits
	ENG 251 or ENG 261	
	Fine Arts	3
	SPH 106 or SPH 107	3
	REL 151 or REL 152	3
<b>Sub-Total Credits</b>		<b>12</b>

### Area III: Mathematics and Natural Sciences

Item #	Title	Credits
MTH 112	PRECALCULUS ALGEBRA	3
CHM 111	COLLEGE CHEMISTRY I	4
CHM 112	COLLEGE CHEMISTRY II	4
<b>Sub-Total Credits</b>		<b>11</b>

## Area IV: History, Social & Behavioral Science

Item #	Title	Credits
	History, U.S. History or Western Civilization	6
PSY 200	GENERAL PSYCHOLOGY	3
	Additional Social and Behavioral Sciences	3
	<b>Sub-Total Credits</b>	<b>12</b>

## Area V: Pre-Professional, Major & Electives

Choose a minimum of 19 hours

Item #	Title	Credits
BIO 103	PRINCIPLES OF BIOLOGY I	4
BIO 201	HUMAN A & P I	4
BIO 202	HUMAN A & P II	4
BIO 220	GENERAL MICROBIOLOGY	4
CHM 221	ORGANIC CHEMISTRY I	4
CHM 222	ORGANIC CHEMISTRY II	4
MTH 125	CALCULUS I	4
MTH 265	ELEMENTARY STATISTICS	3
CIS 146	MICROCOMPUTER APPLICATIONS	3
	PE Activities Course	2
	<b>Sub-Total Credits</b>	<b>19</b>
	Total credits for degree:	60

## Health Sciences

The Health Science Division offers programs of study leading to the Associate in Applied Science degree in Nursing, Long-term Certificate in Practical Nursing, and Short-term Certificates in Paramedic, Emergency Medical Technician Basic, Emergency Medical Technician Advanced, and Surgical Technology. Certificates of Completion for non-credit, which are one semester, are offered in phlebotomy. The Workforce Development Division at the College also offers a Certificate of Completion in Nursing Assistant, and Dental Assisting.

The majority of programs require that students, upon program completion, pass a test given by a licensure board in order to practice within the discipline. Students should be aware that final determination of eligibility to sit for examination is made by the licensure board after review of the candidate's application and that Beville State Community College has no control over the decisions of the licensure boards. Other factors may affect eligibility for licensing such as conviction of a criminal offense; conviction of a felony; drug/alcohol abuse or treatment for dependency on alcohol/illegal chemical substances; conviction of driving under the influence of drugs/alcohol and are treatment of mental illness.

Admission to the College does not guarantee admission to a specific health science program of study, as these programs have additional requirements that must be met. Students should carefully review the specific programs of study to determine the requirements and/or the academic course prerequisites/corequisites. Also, the Health Science programs of study have specific ACT and/or Placement Test scores required for admission.

The College is committed to the health and welfare of the students enrolled in the Health Science programs of study. Therefore, various immunization and medical requirements are mandated with enrollment in a program or course. **Health Science courses require students to carry health insurance, which is the responsibility of the student.** Malpractice insurance is also required and will be included as a fee, payable with the student's tuition. **Health Science programs of study require drug screening, background checks, and testing fees, the costs of which are also the responsibility of the student.** In addition, housing, travel, parking, and meal expenses while involved in clinical activities are the responsibility of the student.

Clinical facilities utilized by the Health Science programs require drug screening and criminal background checks declaring that the student has no positive drug screens and no criminal history. Therefore, a background check will be required prior to enrollment in the Health Science programs and drug screens will be conducted prior to assigned clinicals as well as randomly throughout student's enrollment during assigned clinicals. The cost of the background check and drug screens related to cause will be the responsibility of the student. Background checks will be required for all new program admits (mobility, re-admits, etc.) and program transfers if background check is older than one calendar year. Violation of Health Science policies pertaining to a student's positive drug screen and/or a positive background check will result in the student being denied admission to any Health Science program or when already enrolled, the result will be the student's immediate dismissal from the enrolled Health Science program. **A dismissal from any Health Science program for disciplinary or unsafe client care will result in a student being ineligible for readmission to any Health Science program offered at Beville State.**

Programs of study within the Health Science Division require specific essential mental and physical capabilities if the student is to be successful. Essential functions for each Health Science program of study are available on the Beville State website ([www.bscc.edu](http://www.bscc.edu)).

NOTE: Beville State's Health Science Division makes every effort to include relevant, timely and accurate information in the Catalog. However, the Health Science Division reserves the right to make changes in the calendar, admissions policies, expenses, programs, curricula, course descriptions or any other matters addressed or not addressed in this publication. Prospective students and enrolled students should check with college admission officers and academic advisors to learn of any such changes. Also, updates are included in the online version of the Catalog. See [www.bscc.edu/catalog](http://www.bscc.edu/catalog).

## Nursing

### Nursing Degrees

### Nursing

All Locations

The nursing curriculum design is based on conceptual learning to facilitate transfer of knowledge, facilitate collaborative and active learning, focus on problems, foster systematic observations, and focus on nursing actions and interdisciplinary efforts and foster understanding of relationships. The concept-based learning approach helps learners to extrapolate meanings from one concept to another and identify commonalities.

Courses have been carefully planned to provide the student with a continuity of learning experiences. Content is organized in a spiraling manner from simple to complex, building on previous learning and adding new information, while allowing for continual review.

Students will obtain a practical nursing certificate after successful completion of NUR 112, NUR 113, NUR 114, and NUR 115 during the first three semesters of the program. The last two semesters will incorporate more advanced concepts required to ensure competency of the associate degree nurse.

## Admission Criteria

1. Unconditional admission to the college (Application must be updated if student did not attend BSCC the previous semester).
2. Original transcripts from all colleges attended must be in the Office of Student Services by the nursing application deadline. Unlike routine college admission, the nursing department does not allow one semester to receive transcripts. Transcripts must be sent by the institution directly to the BSCC Central Records Office.
3. A complete nursing application must be submitted online via the BSCC college Website.
4. A minimum of 18 ACT composite score (writing component not required), National or Residual, is required and ACT results must be attached to the nursing application. There is no expiration date on ACT for this nursing application.
5. A minimum of 2.5 GPA is required on a 4.0 scale based on the nursing required academic core courses. The core college courses are English Composition 1, Intermediate College Algebra, Anatomy & Physiology I, Anatomy and Physiology II, Microbiology, Human Growth & Development, Speech and a Humanities Elective (Art or Music Appreciation, Philosophy, Ethics, Religion, or a foreign language).
6. A minimum of 2.5 cumulative GPA is required for high school students without prior college work (GED acceptable).
7. Eligibility is required for English Composition I, Intermediate College Algebra, and Anatomy & Physiology I if not previously taken.
8. Good standing with the College.
9. Meet the Essential Functions for nursing.
10. Name of application is current legal name and matches copy of photo ID and name in BSCC system.

Associate degree nursing graduates are encouraged to consider the RN to BSN and/or the RN to BSN/MSN degree offered at four- year universities. To be considered for admission to the RN to BSN track, students may contact their BSCC nursing advisor or the RN Mobility Track advisor at a four-year institution to inquire about additional academic core courses and admission requirements.

## Graduation

To receive an Associate in Applied Science Degree in Nursing, a student must meet the following requirements:

1. File an application for graduation with the Office of Student Services.
2. Clear all obligations with the College.
3. Students must successfully complete required Nursing curriculum with a grade of "C" (2.0 GPA) or better

**Program:** [Nursing](#)

**Type:** AAS Degree

### First Semester

Item #	Title	Credits
BIO 201	HUMAN A & P I	4
MTH 100	INTERMEDIATE COLLEGE ALGEBRA	3
ORI 107	STUDENT SURVIVAL SKILLS	1
NUR 112	FUNDAMENTAL CONCEPTS OF NURSING	7
<b>Sub-Total Credits</b>		<b>15</b>

### Second Semester

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
BIO 202	HUMAN A & P II	4
PSY 210	HUMAN GROWTH AND DEVELOPMENT	3
NUR 113	NURSING CONCEPTS I	8
<b>Sub-Total Credits</b>		<b>18</b>

### Third Semester

Item #	Title	Credits
	Speech	3
NUR 114	NURSING CONCEPTS II	8
NUR 115	EVIDENCE BASED CLINICAL REASONING	2
	<b>Sub-Total Credits</b>	<b>13</b>

### Fourth Semester

Item #	Title	Credits
BIO 220	GENERAL MICROBIOLOGY	4
NUR 211	ADVANCED NURSING CONCEPTS	7
	<b>Sub-Total Credits</b>	<b>11</b>

### Fifth Semester

Item #	Title	Credits
	Humanities/Fine Arts Elective	3
NUR 221	ADVANCED EVIDENCE BASED CLINICAL REASONING	7
	<b>Sub-Total Credits</b>	<b>10</b>
	Total credits for degree:	67

### Nursing Mobility: LPN & Paramedic to ADN

All Locations

Upon successful completion of NUR 209, students will be awarded 15 hours of non-traditional credit.

LPN to RN students who completed the concept based curriculum within one academic year from start of mobility program nursing courses, are exempt from taking NUR 209. These students will enter the nursing mobility program at NUR 211.

PROGRESSION: Students with two non-progressions in the mobility program must reapply and be accepted to start over in NUR 209, even if the student started the program in NUR 211. Students may elect to apply to the ADN program from the beginning.

Program: [Nursing](#)

### First Semester – Required Pre-Requisite Classes

NOTE: Valid, unencumbered Alabama PN license or Paramedic license is required. Non-nursing applicants must provide a nurse aide certification with certification within the past 24 months

\*\*Alabama Department of Public Health (ADPH) Certified Nurse Aide Registry (<https://dph1.adph.state.al.us/NurseAideRegistry/>)

Item #	Title	Credits
BIO 201	HUMAN A & P I	4
MTH 100	INTERMEDIATE COLLEGE ALGEBRA	3
ORI 107	STUDENT SURVIVAL SKILLS	1
ENG 101	ENGLISH COMPOSITION I	3
BIO 202	HUMAN A & P II	4
PSY 210	HUMAN GROWTH AND DEVELOPMENT	3
	Speech	3
	<b>Sub-Total Credits</b>	<b>21</b>

### First Semester

Item #	Title	Credits
NUR 209	CONCEPTS FOR HEALTHCARE TRANSITION STUDENTS	10
	<b>Sub-Total Credits</b>	<b>10</b>

### Second Semester

Item #	Title	Credits
BIO 220	GENERAL MICROBIOLOGY	4
NUR 211	ADVANCED NURSING CONCEPTS	7
	<b>Sub-Total Credits</b>	<b>11</b>

## Third Semester

Item #	Title	Credits
	Humanities/Fine Arts Elective	3
NUR 221	ADVANCED EVIDENCE BASED CLINICAL REASONING	7
	<b>Sub-Total Credits</b>	<b>10</b>
	Total credits for degree:	52

## Nursing Program Policies

In order to continue in the nursing program, the student must:

1. Maintain a grade of "C" or better in all required general education and nursing courses and maintain a 2.0 cumulative GPA at current institution.
2. Complete all required general education courses according to the Alabama Community College System (ACCS) Nursing Education curriculum unless completed prior to admission. Any exceptions must be approved by the Dean of Health Sciences.
3. Maintain ability to meet essential functions for nursing with or without reasonable accommodations.
4. Maintain current CPR certification; American Heart Association (AHA) at the health care provider level.
5. Complete all nursing courses in the prescribed sequence. If a student withdraws or makes a "D" or an "F" in a nursing course, the student cannot progress in the nursing course sequence until the course is repeated successfully. **Course repetition will be based on instructor availability and program resources.**
6. Adhere to the Bevill State Conduct Code and the Code of Ethics for Professional Nurses. **Nursing faculty reserves the right at any time to require the dismissal of any student whose conduct or clinical performance is regarded as unsatisfactory. In such situations, an "F" will be entered on the student's transcript. Students receiving an "F" for this reason will not be eligible for readmission into any Health Science program at Bevill State.**
7. The nursing faculty reserves the right to withdraw any student from the program if a clinical agency refuses to allow that student clinical experiences.
8. Submit a satisfactory health physical & immunization upon admission. The TB skin test and flu vaccine annually.
9. Maintain health insurance coverage throughout the program.
10. Adhere to current program attendance policy.
11. Obtain the required Bevill State student uniform.
12. Complete the required program semester hours to qualify for graduation. Some variation is allowed to accommodate transfer credit for colleges on a quarter hour system. An overall 2.0 GPA is required for graduation. Requirements for graduation are outlined in the College Catalog.
13. Function within the scope of practice as defined by the current Alabama Board of Nursing Nurse Practice Act.
14. There shall be no auditing allowed for Nursing classes.

## Nursing Non-Progression

Nursing non-progression is defined as failure of one or more courses in a semester OR withdrawal (for any reason) from one or more courses in two separate semesters. Two instances of non-progression will result in dismissal from the nursing program. Students will be required to apply for program admission as a new student and must submit all application criteria. If accepted as a new student the student must take, or retake all nursing program courses.

## Reinstatement

Reinstatement is defined by ACCS as: Students who have withdrawal or failure in a nursing course and are eligible to return to that course will be considered for reinstatement to the program. Students who experience nursing non-progression in the nursing program and who desire reinstatement in the program must apply for reinstatement to the program by **scheduling an appointment with the appropriate campus division chair** to discuss the reinstatement process.

Reinstatement to the program will be allowed one time only. A student must **request reinstatement within one year from the term of non-progression to be eligible for reinstatement**. Students dismissed from the program for disciplinary reasons and/or unsafe client care in the clinical area will NOT be allowed reinstatement to the nursing program. Students must adhere to nursing curriculum and program policies and procedures in effect at the time of reinstatement.

In order to be reinstated, a student must:

1. Verify student compliance with admission criteria to nursing program. This includes ACT of 18 or higher, Nursing academic GPA of 2.5, and BSCC GPA of 2.0 at the time of readmission.
2. Based on clinical space availability at the particular campus where non-progression occurred, rank order final course average to two decimal places.
3. If there are clinical spaces available to meet each request for readmission, all students will be approved to reenter the nursing course where the non-progression occurred.
4. All readmissions must occur within a calendar year from the semester where the non-progression occurred.
5. According to ACCS nursing program policies, any student with 2 non-progressions during an admission cycle must re-start the nursing curriculum at the beginning.
6. Meet acceptable criteria for placement at clinical agencies for clinical experiences.
7. Demonstrate current American Heart Association CPR at the health care provider level.
8. Failure to follow these procedures may result in denial of reinstatement to the program.
9. Any changes in the program curriculum, admissions criteria, or procedures will be applicable upon the student's reinstatement.
10. Students are required to update all drug testing and background screening according to program policy.

## Readmission

Readmission is defined by ACCS as: Students not eligible for program reinstatement may apply for program admission as a new student. If accepted as a new student, the student must take or retake all nursing program courses.



## Transfer Student Admission

This transfer policy applies only to students desiring to transfer between ACCS institutions.

Students wishing to transfer must:

1. Meet the minimum admission standards for the nursing program and demonstrate competency as defined by the instructor (see #12).
2. Possess a GPA of 2.0 in all nursing program required courses taken at another institution at time of transfer. Nursing course credit will only be accepted from accredited nursing programs.
3. Dean/Director of previous nursing program must provide a letter of eligibility for progression in previous nursing program.
4. Be a student in good standing and eligible to return to the previous nursing program.
5. Comply with all program policy requirements at accepting institution.
6. Complete at least 25 percent of the nursing program required courses for degree/certificate at the accepting institution.
7. Acceptance of transfer students into nursing programs is limited by the number of faculty and clinical facilities available. Meeting minimal standards does not guarantee acceptance.
8. Applicants must possess certain physical and mental abilities to meet the required essential functions of the nursing program. A list of Essential Functions is available in the nursing office or [www.bscc.edu](http://www.bscc.edu) in the Nursing Student Handbook.
9. Applicants must meet program health requirements.
10. The Nursing Director will make recommendations to the Dean of Health Sciences for acceptance of prior nursing course(s) credit.
11. Must meet acceptability criteria for placement at clinical agencies for clinical experience.
12. Transfer students will be required to pass a dose calculation exam at 100%. Only one re-test will be allowed. After successful completion of the dose calculation exam, a written nursing skills exam must be passed at 80% or higher. Students will then be required to satisfactorily check off nursing procedures in the college campus lab under the supervision of a faculty member. The required skills include but are not limited to: head-to-toe physical assessment, sterile urinary catheter insertion, sterile suctioning, injection sites, medication administration, nasogastric tube intubation.

## Transient Student Policy

The transient policy applies only to students desiring to enroll as a transient student in Alabama Community College System institutions.

It does not apply to students wishing to enroll as a transient student at other institutions.

### Criteria for Transient Status

1. Must meet minimum admission standards for the nursing program.
2. Must possess a GPA of 2.0 in all nursing program required courses taken at another institution.
3. Dean/Director of previous nursing program must provide a letter of eligibility for progression in previous nursing program.
4. A student seeking enrollment as a transient student must follow procedures in place at both the parent institution and the receiving college. Additionally, the student must receive prior approval for the parent institution's nursing program dean/director for any nursing courses taken on a transient basis as well as approval from the nursing program dean/director of the receiving college to enroll.
5. Transient students must complete a Transcript Request Form at the end of the term before a transcript will be issued to the primary institution.
6. Must comply with all program policy requirements at accepting institution.
7. Must meet acceptability criteria for placement at clinical agencies for a clinical experience.
8. Acceptance of transient student into a nursing program is limited by the number of faculty and clinical facilities available. Meeting minimal standards does not guarantee acceptance.
9. Student selection for transient status is based on GPA in nursing program required courses.

## Dismissal Policy

A dismissal from any Health Science program for disciplinary or unsafe client care will result in a student being ineligible for readmission to any Health Science program offered at Beville State.

## Health Requirements

1. Nursing faculty reserve the right to require, at any time, proof of a student's physical, mental, and/or emotional health. The nursing faculty may require students to receive, at the student's expense, counseling and/or medical treatment in order to continue in the nursing program. If treatment is required, the student must provide documentation from the attending physician/primary healthcare provider of the student's ability to perform nursing skills effectively.
2. Clinical agencies/facilities require the school to provide evidence that student participants are not under the influence of drugs or alcohol. Students will be required, at their own expense, to have an initial drug screen at a time and place determined by the faculty prior to entering clinicals. In addition, random drug screens will be conducted throughout the curriculum. If a drug screen is non-negative, the student will be immediately dismissed from the nursing program.
3. **A student who is hospitalized/treated for any existing health problem which may physically or emotionally impair their ability to provide safe and competent clinical care, must submit a statement from the physician/primary healthcare provider indicating ability to continue in clinicals and/or the program.**
4. A completed health form must be submitted to the Division Chair/Coordinator. In addition, students must comply with any additional health requirements of clinical agencies.

5. All students must present verification of health insurance as part of compliance certification, as well as maintain their health insurance coverage throughout enrollment in the nursing curriculum.

## Tardiness

Regular and punctual attendance is required. A student who is not in the class/lab/clinical at its beginning will be counted tardy. Three tardies will count as one absence according to Nursing policy. A detailed description may be found in the nursing program policy.

## Attendance

It is the student's responsibility to be aware of the exact number of absences in each class. If absences exceed the number of times a class/lab/clinical meets per week, the student will fail the course which, subsequently, will prevent the student from progressing in the curriculum.

## Grading Scale

Students may earn the following grades in nursing courses:

- A: 90 to 100
- B: 80 to 89
- C: 75 to 79
- D: 60 to 74
- F: 59 and below

*Test scores are not rounded to the next whole number (i.e. 78.6 is 78.6). Only the final course grade is rounded – 0.5 or higher is raised to the next whole number.*

**FAILURE TO COMPLY WITH ANY OF THE ABOVE STIPULATIONS/POLICIES WHILE IN THE NURSING PROGRAM CONSTITUTES GROUNDS FOR DISMISSAL FROM THE PROGRAM.**

## Licensure Information

It is imperative that nursing students meet the legal, moral, and legislative standards which are utilized to determine acceptable behavior for the nurse (RN/PN). Each prospective nursing student should be aware of the Alabama Board of Nursing's regulations regarding the review of applicants for eligibility for initial and continuing licensure.

According to the Nurse Practice Act. Licenses §34-21-25(b)(1) The board may also deny, revoke, or suspend any license issued by it or otherwise discipline a licensee upon proof of any of the following regarding the licensee:

1. Is guilty of fraud or deceit in process or attempting to procure a license.
2. Has been convicted of a felony.
3. Is guilty of a crime involving moral turpitude or of gross immorality that would tend to bring reproach upon the nursing profession.
4. Is unfit or incompetent due to the use of alcohol, or is addicted to the use of habit-forming drugs to such an extent as to render him or her unsafe or unreliable as a licensee.
5. Is unable to safely practice nursing with reasonable skill and safety to patients by reason of illness, inebriation, excessive use of drugs, narcotics, alcohol, chemicals, or any other substance, or as a result of any mental or physical condition.
6. Has been convicted of any violation of a federal or state law relating to controlled substances.
7. Is guilty of unprofessional conduct of character likely to deceive, defraud, or injure the public in matters pertaining to health.
8. Has willfully or repeatedly violated this article, as defined by board rules and regulations.

Students who complete the program meet the educational qualifications of the Alabama Board of Nursing for writing the National Council Licensure Examination (NCLEX-RN/PN). However, completion of the academic program in no way assures the student of eligibility to write the exam or of licensure. The final decision for eligibility to write the NCLEX is made by the Alabama Board of Nursing after review of the candidates application.

## Qualifications of Applicants for Licensure

Qualifications of applicants for licensure is outlined in the Alabama Board of Nursing Administrative Code 610-X-4-.02.

1. The applicant for licensure shall:
  1. Be a high school graduate or the equivalent, as determined by the Board.
  2. Be of good moral character. A criminal background check may be conducted by the Board at its discretion.
  3. For registered nurse licensure, graduated or successfully completed all requirements for graduation from an approved registered nursing program in Alabama, or an approved registered nursing program located in another jurisdiction or territory that substantially meets the same educational criteria as Alabama programs. Licensure by equivalency does not meet the requirement.
  4. For practical nurse licensure, graduated or successfully completed an approved practical nursing program in Alabama, or an approved practical nursing program located in another jurisdiction or territory that substantially meets the same educational criteria as Alabama programs. Licensure by equivalency does not meet the requirement.
2. An applicant shall provide a valid social security number prior to the Board issuing a license.
3. Be a citizen or legal resident of the United States. Individuals who are not legally present in the United States are not eligible for licensure.

For further information regarding program requirements, contact the nursing program department located on any Beville State campus.

## Paramedic

The Paramedic Program offers several options. It is recommended that the student consult the EMS faculty for advising regarding the different options.

## Paramedic

Sumiton Campus

**Sumiton Campus**

## Admission Requirements/Program Policy

Applicants must be 18 years old, possess a GED or high school diploma and complete all general college application requirements. Applicants must comply with the Essential Functions of the program and provide a current (within the last 6 months) physical exam including up-to-date immunizations. The student must provide verification of current health insurance. Applicants must adhere to the Alabama Department of Public Health Administrative Code, Chapter 420-2-1. Applicants must possess a valid, current CPR card.

This program is designed to provide the training necessary for successful completion of the requirements for Paramedic, to enable the student to take the National Registry of Paramedics Exam, and, if successful, to obtain an Alabama license. The program goal is to prepare competent entry-level Paramedics in the cognitive, psychomotor, and affective domains. The length of the program is five semesters.

1. Clinical agencies/facilities require the College to provide evidence that student participants are not under the influence of drugs or alcohol. Students will be required, at their own expense, to have an initial drug screen at a time and place determined by the faculty prior to entering clinicals. In addition, random drug screens may be conducted throughout the curriculum. If a drug screen is non-negative, the student will be immediately dismissed from the Paramedic program.
2. If there is reasonable cause to believe a student is in violation of the institutional conduct code, such as observable changes in behavior, performance, appearance, or speech, the student will be dismissed from the Paramedic program immediately.
3. Certain clinical facilities utilized by the Paramedic program require criminal background checks declaring that the student has no criminal history. Therefore, a background check will be required upon enrollment in the program. The cost of the background check/affidavit will be the responsibility of the student. Issues pertaining to a student's positive background check may result in the student being denied admission to or dismissal from the Paramedic program.
4. Paramedic program faculty reserve the right to require, at any time, proof of a student's physical, mental, and/or emotional health. All students must be able to perform the Essential Functions. The faculty may require students to receive, at the student's expense, counseling and/or medical treatment in order to continue in the Paramedic program. If treatment is required, the student must provide documentation from the attending physician/primary healthcare provider of the student's ability to perform skills effectively.
5. A student who is treated or hospitalized for any health problem must submit a statement from the physician/primary healthcare provider indicating ability to continue in clinicals and/or the program.
6. A completed health form must be submitted. In addition, students must comply with any additional health requirements of clinical agencies.
7. All students must present verification of health insurance coverage before attending the first scheduled clinical day, as well as maintain this health insurance coverage throughout the program of study.
8. Dismissal from the program will result in a student being ineligible for readmission to the Paramedic program or any other Health Science program offered at Beville State.
9. The grading scale is A: 92-100; B: 83-91; C: 75-82; F: 74-Below.
10. At no time will a student be substituted for staff during a hospital or prehospital clinical.
11. There is no advanced placement, experimental learning credit, or challenge for EMS courses.
12. EMS courses are progressive during the semester and each course must be successfully completed to continue into the following semester.

**Program:** [Paramedic](#)

**Type:** AAS Degree

### General Studies Courses

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
ENG 101	ENGLISH COMPOSITION I	3
	Humanities/Fine Arts Elective	3
MTH 116	MATHEMATICAL APPLICATIONS	3
BIO 103	PRINCIPLES OF BIOLOGY I	4
PSY 200	GENERAL PSYCHOLOGY	3
	<b>Sub-Total Credits</b>	<b>17</b>

## Field of Concentration Courses

Item #	Title	Credits
EMS 118	EMERGENCY MEDICAL TECHNICIAN	9
EMS 119	EMERGENCY MEDICAL TECHNICIAN CLINICAL	1
EMS 155	ADVANCED EMERGENCY MEDICAL TECHNICIAN	7
EMS 156	ADVANCED EMERGENCY MEDICAL TECHNICIAN CLINICAL	2
EMS 241	PARAMEDIC CARDIOLOGY	3
EMS 242	PARAMEDIC PATIENT ASSESSMENT	2
EMS 244	PARAMEDIC CLINICAL I	1
EMS 245	PARAMEDIC MEDICAL EMERGENCIES	3
EMS 246	PARAMEDIC TRAUMA MANAGEMENT	3
EMS 247	PARAMEDIC SPECIAL POPULATIONS	2
EMS 248	PARAMEDIC CLINICAL II	3
EMS 253	PARAMEDIC TRANSITION TO THE WORKFORCE	2
EMS 254	ADVANCED COMPETENCIES FOR THE PARAMEDIC	2
EMS 255	PARAMEDIC FIELD PRECEPTORSHIP	5
EMS 256	PARAMEDIC TEAM LEADERSHIP	1
EMS 257	PARAMEDIC APPLIED PHARMACOLOGY	2
<b>Sub-Total Credits</b>		<b>48</b>
Total credits for degree:		65

## Paramedic Short Term Certificate (EM3)

Sumiton Campus

### Admission Requirements

Applicants must be 18 years old, possess a GED or high school diploma and complete all general college application requirements. Applicants must comply with the Essential Functions of the program and provide a current (within the last 6 months) physical exam including up-to-date immunizations. The student must provide verification of current health insurance. Applicants must adhere to the Alabama Department of Public Health Administrative Code, Chapter 420-2-1. Applicants must possess a valid or current CPR card.

There are three entry points to this program:

1. Successfully completed EMT.
2. Successfully completed EMT and Advanced EMT.
3. Completed all academic courses, hold an associate degree or higher and possess an Alabama healthcare provider license acceptable to the program.

This program is designed to provide the training necessary for successful completion of the requirements for Paramedic, to enable the student to take the National Registry of EMTs Paramedic Exam, and, if successful, to obtain an Alabama Paramedic license. The length of the program is three semesters.

1. Clinical agencies/facilities require the school to provide evidence that student participants are not under the influence of drugs or alcohol. Students will be required, at their own expense, to have an initial drug screen at a time and place determined by the faculty prior to entering clinicals. In addition, random drug screens will be conducted throughout the curriculum. If a drug screen is non-negative, the student will be immediately dismissed from the Paramedic program.
2. If there is reasonable cause to believe a student is in violation of the institutional conduct code, such as observable changes in behavior, performance, appearance, or speech, the student will be dismissed from the Paramedic program immediately.
3. Certain clinical facilities utilized by the Paramedic program require criminal background checks declaring that the student has no criminal history. Therefore, a background check will be required upon enrollment in the program. The cost of the background check will be the responsibility of the student. Issues pertaining to a student's positive background check may result in the student being denied admission to or dismissal from the Paramedic program.
4. Paramedic program faculty reserves the right to require, at any time, proof of a student's physical, mental, and/or emotional health. All students must be able to perform the Essential Functions. The faculty may require students to receive, at the student's expense, counseling and/or medical treatment in order to continue in the Paramedic program. If treatment is required, the student must provide documentation from the attending physician/primary healthcare provider of the student's ability to perform skills effectively.
5. A student who is treated or hospitalized for any health problem must submit a statement from the physician/primary healthcare provider indicating ability to continue in clinicals and/or the program.
6. A completed health form must be submitted. In addition, students must comply with any additional health requirements of clinical agencies.
7. All students must present verification of health insurance coverage before attending the first scheduled clinical day, as well as maintain this health insurance coverage throughout the program of study.
8. Dismissal from the program will result in a student being ineligible for readmission to the Paramedic program or any other Health Science program offered at Beville State.
9. The grading scale is A: 92-100; B: 83-91; C: 75-82; F: 74-Below
10. At no time will a student be substituted for staff during a hospital or prehospital clinical.
11. There is no advance placement, experiential learning credit, or challenge for EMS courses.

12. EMS Courses are progressive during the semester and each course must be successfully completed to continue into the following semester.
13. Students must possess National Registry of EMT (NREMT) certification at the EMT level to be eligible to take the Paramedic certification.

Upon completion of program requirements students must pass licensure exam for employment purposes.

**Program:** [Paramedic](#)

**Type:** Short-Term Certificate

## Field of Concentration Courses

ORI 107 is a pre/co-requisite for this degree.

Item #	Title	Credits
EMS 241	PARAMEDIC CARDIOLOGY	3
EMS 242	PARAMEDIC PATIENT ASSESSMENT	2
EMS 244	PARAMEDIC CLINICAL I	1
EMS 245	PARAMEDIC MEDICAL EMERGENCIES	3
EMS 246	PARAMEDIC TRAUMA MANAGEMENT	3
EMS 247	PARAMEDIC SPECIAL POPULATIONS	2
EMS 248	PARAMEDIC CLINICAL II	3
EMS 253	PARAMEDIC TRANSITION TO THE WORKFORCE	2
EMS 254	ADVANCED COMPETENCIES FOR THE PARAMEDIC	2
EMS 255	PARAMEDIC FIELD PRECEPTORSHIP	5
EMS 256	PARAMEDIC TEAM LEADERSHIP	1
EMS 257	PARAMEDIC APPLIED PHARMACOLOGY	2
<b>Sub-Total Credits</b>		<b>29</b>
Total credits for degree:		29

## Advanced - Emergency Medical Technician EMT Short Term Certificate (EM2)

Sumiton Campus

**Fayette, Hamilton & Sumiton Campuses**

### Admission Requirements

Applicants must be 18 years old, possess a GED or high school diploma and complete all general college application requirements. Applicants must comply with the Essential Functions of the program and provide a current (within the last 6 months) physical exam including up-to-date immunizations. Upon entry into the program the student must provide verification of current health insurance. Applicants must adhere to the Alabama Department of Public Health Administrative Code, Chapter 420-2-1. Applicants must possess a valid, current CPR card.

1. Clinical agencies/facilities require the College to provide evidence that student participants are not under the influence of drugs or alcohol. Students will be required, at their own expense, to have an initial drug screen at a time and place determined by the faculty prior to entering clinicals. In addition, random drug screens will be conducted throughout the curriculum. If a drug screen is non-negative, the student will be immediately dismissed from the EMT program.
2. If there is reasonable cause to believe a student is in violation of the institutional conduct code, such as observable changes in behavior, performance, appearance, or speech, the student will be dismissed from the EMT program immediately. Certain clinical facilities utilized by the EMT program require criminal background checks declaring that the student has no criminal history. Therefore, a background check will be required upon enrollment in the EMT program. The cost of the background check will be the responsibility of the student. Issues pertaining to a student's positive background check may result in the student being denied admission to or dismissal from the EMT program.
3. Emergency Medical Technician faculty reserves the right to require, at any time, proof of a student's physical, mental, and/or emotional health. All students must be able to perform the Essential Functions. The faculty may require students to receive, at the student's expense, counseling and/or medical treatment in order to continue in the program. If treatment is required, the student must provide documentation from the attending physician/primary healthcare provider of the student's ability to perform skills effectively.
4. There is no advance placement, experiential learning credit, or challenge for EMS courses.
5. EMS courses are progressive during the semester and each course must be successfully completed to continue into the following semester.

Upon completion of program requirements students must pass licensure exam for employment purposes.

**Program:** [Paramedic](#)

**Type:** Short-Term Certificate

## Field of Concentration Courses - Advanced EMT

ORI 107 is a pre/co-requisite for this certificate.

Item #	Title	Credits
EMS 155	ADVANCED EMERGENCY MEDICAL TECHNICIAN	7
EMS 156	ADVANCED EMERGENCY MEDICAL TECHNICIAN CLINICAL	2
<b>Sub-Total Credits</b>		<b>9</b>
Total credits for degree:		9

# Emergency Medical Technician EMT Short Term Certificate (EM1)

Sumiton Campus

Fayette, Hamilton & Sumiton Campuses

## Admission Requirements

Applicants must be 18 years old, possess a GED or high school diploma and complete all general college application requirements. Applicants must comply with the Essential Functions of the program and provide a current (within the last 6 months) physical exam including up-to-date immunizations. Upon entry into the program the student must provide verification of current health insurance. Applicants must adhere to the Alabama Department of Public Health Administrative Code, Chapter 420-2-1.

1. Clinical agencies/facilities require the College to provide evidence that student participants are not under the influence of drugs or alcohol. Students will be required, at their own expense, to have an initial drug screen at a time and place determined by the faculty prior to entering clinicals. In addition, random drug screens will be conducted throughout the curriculum. If a drug screen is positive, the student will be immediately dismissed from the EMT program.
2. If there is reasonable cause to believe a student is in violation of the institutional conduct code, such as observable changes in behavior, performance, appearance, or speech, the student will be dismissed from the EMT program immediately.
3. Certain clinical facilities utilized by the EMT program require criminal background checks declaring that the student has no criminal history. Therefore, a background check will be required prior to enrollment in the EMT program. The cost of the background check will be the responsibility of the student. Issues pertaining to a student's positive background check may result in the student being denied admission to or dismissal program from the EMT program.
4. Emergency Medical Technician faculty reserves the right to require, at any time, proof of a student's physical, mental, and/or emotional health. All students must be able to perform the Essential Functions. The faculty may require students to receive, at the student's expense, counseling and/or medical treatment in order to continue in the program. If treatment is required, the student must provide documentation from the attending physician/primary healthcare provider of the student's ability to perform skills effectively.
5. A student who is hospitalized for any existing health problem must submit a statement from the physician/primary healthcare provider indicating ability to continue in clinicals and/or the program.
6. A completed health form must be submitted to the EMS Program Director. In addition, students must comply with any additional health requirements of clinical agencies.
7. All students must present verification of health insurance coverage before attending the first scheduled class day, as well as maintain this health insurance coverage throughout the program of study.
8. A dismissal from the EMT program will result in a student being ineligible for readmission to the EMT program or any other Health Science program offered at Beville State.
9. At no time will a student be substituted for staff during a hospital or prehospital clinical.
10. There is no advance placement, experiential learning credit, or challenge for EMS courses.

Upon completion of program requirements students must pass licensure exam for employment purposes.

Program: [Paramedic](#)

Type: Short-Term Certificate

## Field of Concentration Courses - EMT

ORI 107 is a pre/co-requisite for this certificate.

Item #	Title	Credits
EMS 118	EMERGENCY MEDICAL TECHNICIAN	9
EMS 119	EMERGENCY MEDICAL TECHNICIAN CLINICAL	1
<b>Sub-Total Credits</b>		<b>10</b>
Total credits for degree:		10

## Surgical Technology

### Surgical Technology

Sumiton Campus

The goal of Beville State Community College's Surgical Technology Program is to produce knowledgeable graduates who have developed the essential behaviors of the profession, are prepared to successfully complete the National Board for Surgical Technology Certification Exam, and can perform as skilled entry-level surgical technologists. The program will accomplish this through education in the cognitive (knowledge), psychomotor (skills), and affective (attitude) learning domains. The program provides the qualified and motivated applicant with learning experiences that are supportive and responsive to individual needs. These experiences are facilitated by qualified faculty and/or preceptors and are designed to help students learn to apply theory to practice.

*Effective July 1, 2011 colleges are required to disclose certain information for any Title IV eligible program that prepares students for gainful employment (as defined by the US Department of Education) in a recognized occupation. The Surgical Technology program has been identified as a Gainful Employment program. Disclosure information about the programs can be found at <http://www.bscc.edu/SurgTechGainful>*

## Admission Requirements

Applicants must possess a GED or high school diploma, complete all general application requirements for admission to the College and score at least a 4 in writing and 200 in math on the Accuplacer exam or have a 16 composite score on the ACT exam. Accuplacer test scores are waived for applicants with a grade of "C" or higher for English 101 and Math 116 or higher. Students must be in good standing at the College possessing an overall GPA of 2.0. There is also a separate Surgical Technology online application that must be completed when applying to the surgical technology program. Eligible students may be required to interview with the program director and faculty as part of the admissions process. Students are scored during the interview using a scoring rubric. All applicants will be notified by mail of admission decisions.

1. Clinical agencies/facilities require the College to provide evidence that student participants are not under the influence of drugs or alcohol. Students will be required, at their own expense, to have an initial drug screen at a time and place determined by the faculty prior to entering clinicals. In addition, random drug screens will be conducted throughout the curriculum. If a drug screen is positive, the student will be immediately dismissed from the SUR program.
2. If there is reasonable cause to believe a student is in violation of the institutional conduct code, such as observable changes in behavior, performance, appearance, or speech, the student will be dismissed from the SUR program immediately.
3. Certain clinical facilities utilized by the SUR program require criminal background checks declaring that the student has no criminal history. Upon conditional admission to the Surgical Technology program, a clear background check will be required before registration in the Surgical Technology program will be complete. The cost of the background check will be the responsibility of the student. Issues pertaining to a student's positive background check will result in the student being denied admission to the SUR program.
4. SUR faculty reserves the right to require, at any time, proof of a student's physical, mental, and/or emotional health. The faculty may require students to receive, at the student's expense, counseling and/or medical treatment in order to continue in the SUR program. If treatment is required, the student must provide documentation from the attending physician/primary healthcare provider of the student's ability to perform skills effectively.
5. A student who is hospitalized for any existing health problem must submit a statement from the physician/primary healthcare provider indicating ability to continue in clinicals and/or the program.
6. A completed health form must be submitted and cleared prior to registration. In addition, students must comply with any additional health requirements of clinical agencies.
7. All students must present verification of health insurance coverage prior to registration, as well as maintain this health insurance coverage throughout the program of study.
8. A dismissal from the SUR program will result in a student being ineligible for readmission to the SUR program or any other Health Science program offered at Beville State.

## Clinical requirements per core curriculum:

The minimum number of clinical cases which must be completed is 120. Students are required to complete at least 30 cases in General Surgery. Twenty of these cases must be in the first scrub role. Students are required to complete at least 90 cases in various surgical specialties. At least 60 of these cases must be in the first scrub role and evenly distributed between a minimum of 5 surgical specialties. However, 15 is the maximum number of cases that can be counted in any one surgical specialty. The surgical technology program is required to verify through the surgical case log the student's progression in first and second scrubbing surgical procedures and the levels of difficulty as the student moves forward toward entry level graduate abilities. Diagnostic endoscopy cases and vaginal delivery cases are not mandatory. However, up to 10 diagnostic cases and 5 vaginal delivery cases can be counted towards the maximum number of second scrub role cases. Observation cases must be documented, but do not count towards the 120 cases.

**Program:** [Surgical Technology](#)

**Type:** Short-Term Certificate

## Field of Concentration Courses

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
SUR 107	SURGICAL ANATOMY & PHYSIOLOGY	3
SUR 100	PRINCIPLES OF SURGICAL TECHNOLOGY	5
SUR 102	APPLIED SURGICAL TECHNIQUES	4
SUR 103	SURGICAL PROCEDURES	5
SUR 104	SURGICAL PRACTICUM I	4
SUR 105	SURGICAL PRACTICUM II	5
SUR 106	ROLE TRANSITION IN SURGICAL TECHNOLOGY	1
SUR 208	SPECIAL TOPICS IN SURGICAL TECHNOLOGY	1
<b>Sub-Total Credits</b>		<b>29</b>
Total credits for degree:		29

## Phlebotomy

### Phlebotomy (MLT)

Fayette, Hamilton, & Sumiton Campuses

#### Non-collegiate Award

Laboratory Phlebotomy courses are designed to train individuals to properly collect and handle blood specimens for laboratory testing and to interact with health care personnel, patients, and the general public. The courses are designed to prepare individuals to write the Clinical Laboratory Phlebotomist Examination.

## Admission Requirements

Applicants must possess a GED or high school diploma and complete all general application requirements. Students must be admitted to the College. Prior to clinical placement the student must show proof of hospitalization insurance.

1. Clinical agencies/facilities require the College to provide evidence that student participants are not under the influence of drugs or alcohol. Students will be required, at their own expense, to have an initial drug screen at a time and place determined by the faculty prior to entering clinicals. In addition, random drug screens may be conducted throughout the curriculum. If a drug screen is positive, the student may be immediately dismissed from the program. Also, if there is reasonable cause to believe a student is in violation of the institutional conduct code, such as observable changes in behavior, performance, appearance or speech, the student will be dismissed from the program immediately.
2. Faculty reserves the right to require, at any time, proof of a student's physical, mental, and/or emotional health. The faculty may require students to receive, at the student's expense, counseling and/or medical treatment in order to continue in the program. If treatment is required, the student must provide documentation from the attending physician/primary healthcare provider of the student's ability to perform skills effectively.

3. A student who is hospitalized/treated for any existing health problem which may physically or emotionally impair their ability to provide safe and competent client care, must submit a statement from the physician/primary healthcare provider indicating ability to continue in clinicals and/or the program.
4. A completed health form is required. In addition, students must comply with any additional health requirements of clinical agencies.
5. All students must provide verification of health insurance coverage and maintain this health insurance coverage throughout the program of study.
6. Certain clinical facilities utilized by the Phlebotomy program require criminal background checks declaring that the student has no criminal history. Therefore, a background check will be required prior to enrollment in the program. The cost of the background check will be the responsibility of the student. Issues pertaining to a student's positive background check may result in the student being denied admission to the Phlebotomy program.
7. Documentation validating recent Tb skin test & HepB immunization must be submitted to the course instructor prior to placement in assigned clinical. In addition, students must comply with any additional health requirements of clinical agencies.
8. Upon completion of the course of study, students will be eligible but not required to take the ASPT certification exam.
9. Tuition is not covered by Federal Pell Grant, but may be covered by the G.I. Bill, Vocational Rehabilitation or a GED tuition waiver.
10. A primary health care provider must sign that the applicant meets the essential functions.

Program: [Phlebotomy \(MLT\)](#)

## Field of Concentration Courses

Item #	Title	Credits
MLT 101	PHLEBOTOMY CERTIFICATION	3
MLT 102	PHLEBOTOMY CLINICAL	4
<b>Sub-Total Credits</b>		<b>7</b>
Total credits for degree:		7

## Career Technical Education

The Career Technical Education Division is responsible for all non- health related skills training in the College service area. The Division is tasked with offering comprehensive workforce and community development service training to support the needs of the communities served. The Division offers programs of study that lead to Associate in Applied Science (AAS) degrees, long-term certificates, short-term certificates, and certificates of completion.

The Associate in Applied Science degree is awarded to students who complete the requirements of a specific career or professional program of study. These programs of study range from 60 to 76 semester hours in length with approximately 40% of the programs designed to ensure competency in oral and written communication, critical thinking, computer literacy, mathematical principles and/or scientific reasoning. The remaining approximately 60% of the program contains courses designed to ensure competency in a specific career field. Additional information regarding programs of study in career technical fields can be obtained from this catalog or the specific career technical advisor, who is available to assist students in the advising and registration process.

Long-term certificates are awarded in most programs where the Associate in Applied Science are offered, as well as other career fields where the AAS degree is not offered. Long-term certificates are of varied length from 30 to 60 semester hours depending on the choice of career fields. The general education component of the certificate program contains, as a minimum, three semester hours each in written composition, mathematics, computer literacy skills, and speech. In general, long-term certificates contain most, if not all, of the technical career courses that are required in the Associate in Applied Science degree.

Short-term certificates are available in most career fields where AAS degrees and/or long-term certificates are already offered. The short-term certificates vary in length from 9 to 29 semester hours and are designed to allow the student to acquire career training in a short amount of time. Only minimal academic education requirements are included.

Career Technical students are also given the opportunity to participate in the CO-OP/Internship program. The CO-OP/ Internship program is designed to be an organized and planned work experience for the purpose of extending training to a student in his/her chosen career path, while at the same time providing the participating business with additional part-time personnel. A student is only eligible for an internship after meeting specific program prerequisites. The required amount of internship training time varies for individual programs and follows the semester schedule of the College. The student is interviewed by the prospective employer, and if hired as an intern, is expected to follow procedures and policies of the company. Students who are interested in participating in the CO-OP/Internship program should contact their program advisor.

Programs of study within the Career Technical Division require specific essential mental and physical capabilities if the student is to be successful. Essential functions for each Career Technical program of study are available in each career technical instructor's office and the Bevill State website - [www.bscc.edu](http://www.bscc.edu).

## ATTENDANCE POLICY

Class attendance is considered an essential part of the educational process at Bevill State. The College subscribes to the philosophy that a student's academic progress is directly proportional to class attendance. Class attendance will be recorded from the first day of the student's official enrollment. Bevill State expects students to participate in all scheduled instructional classes and laboratory periods, regardless of the mode of delivery. Students are expected to be in class on time and to attend a minimum of 90% of the total class contact hours, including laboratory hours, for each course to be eligible to receive a passing grade. The instructor should inform the students how many absences this would mean for a specific class. If it becomes necessary for a student to withdraw from a course or from the College, it is the student's responsibility to complete the College's approved withdrawal process. If a student exceeds the 10% limit on absences, the instructor may: (1) withdraw the student from the class with a grade of "W" if the withdrawal occurs before mid-term; (2) withdraw the student after mid-term from the class with a grade of either "WP" if passing or "WF" if failing; or (3) examine any extenuating circumstances and allow the student to continue the class and make up the work.

Each student should be punctual. It is an interruption to the class for a student to arrive late. Instructors have the discretion to consider a late arrival or early departure, without the permission of the instructor, as an absence or some percentage counting toward an absence. For example, a faculty member may consider a late arrival as 1/3 of an absence.

It is recognized that from time to time, extenuating circumstances may prevent a student from being able to attend a class. If the student misses a test or in-class assignment because of such an absence, makeup assignments may be given at the instructor's discretion. It is the student's responsibility to inquire about making up the work missed during any absence. However, there is no requirement that the instructor provide the opportunity for a makeup.

The following guidelines are provided for instructors who are willing to extend an opportunity for makeup work for absences resulting from extenuating circumstances.

1. Absences that occur because of emergencies (e.g., accidents, illness, court appearance, or death of an immediate family member) will be excused with proper notification to the instructor. Proper notification requires documentation as determined by the instructor. Examples include a copy of an accident report, a hospital admittance form, a doctor's excuse, subpoena or a death announcement. When possible, the student or appropriate representative of the student (doctor, lawyer, hospital official, parent, spouse, etc.)



should provide notification prior to the class that is to be missed.

- Absences that occur as a result of Federal or State statutes will be excused upon proper notification to the instructor. Proper notification requires documentation as determined by the instructor.

## Career Technical Education Programs

# Air Conditioning & Refrigeration Technology (ACR) Program

Hamilton & Sumiton Campuses

Heating and air-conditioning systems control the temperature, humidity, and the total air quality in residential, commercial, industrial, and other buildings. By providing a climate controlled environment, refrigeration systems make it possible to store and transport food, medicine, and other perishable items. Heating, Air-conditioning, and Refrigeration Technicians install, maintain, and repair such systems. Because heating, ventilation, air-conditioning, and refrigeration systems often are referred to as HVACR systems, these workers also may be called HVACR technicians. The Air Conditioning and Refrigeration program at Beville State is designed to teach basic theories and provide a working knowledge of air conditioning and heating for both comfort and environmental considerations. Graduates will be able to enter the fields of planning, installing, operating, and maintaining all types of heating, air conditioning and refrigeration equipment. The program is approved by the Alabama Board of Heating, Air Conditioning, and Refrigeration for the Alabama Contractor's License Exam.

(Occupational Outlook Handbook)

NOTE: Check with an advisor for program and course location by campus.

### Air Conditioning & Refrigeration Technology (ACR) Degrees and Certificates

#### Associate In Applied Science Degree (ACR)

Hamilton & Sumiton Campuses

Program: [Air Conditioning & Refrigeration Technology \(ACR\)](#)

Type: AAS Degree

#### Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

#### Field of Study Courses

Item #	Title	Credits
ACR 111	PRINCIPLES OF REFRIGERATION	3
ACR 112	HVAC/R SERVICE PROCEDURES	3
ACR 113	REFRIGERATION PIPING PRACTICES	3
ACR 119	FUNDAMENTALS OF GAS HEATING SYSTEMS	3
ACR 121	PRINCIPLES OF ELECTRICITY FOR HVAC/R	3
ACR 122	HVAC/R ELECTRICAL CIRCUITS	3
ACR 123	HVAC/R ELECTRICAL COMPONENTS	3
ACR 128	HEAT LOAD CALCULATIONS	3
ACR 132	RESIDENTIAL AIR CONDITIONING	3
ACR 135	MECHANICAL/GAS/SAFETY CODES	3
ACR 147	REFRIGERATION TRANSITION & RECOVERY THEORY	3
ACR 148	HEAT PUMPS SYSTEMS I	3
ACR 203	COMMERCIAL REFRIGERATION	3
<b>Sub-Total Credits</b>		<b>39</b>

## Field of Study Electives

Select 4 courses from the following offerings:

Item #	Title	Credits
ACR 120	FUNDAMENTALS OF ELECTRIC HEATING SYSTEMS	3
ACR 126	COMMERCIAL HEATING SYSTEMS	3
ACR 127	HVAC/R ELECTRIC MOTORS	3
ACR 133	DOMESTIC REFRIGERATION	3
ACR 144	BASIC DRAWING AND BLUEPRINT READING IN HVAC	3
ACR 192	HVAC Apprenticeship/Internship	3
ACR 200	REVIEW FOR CONTRACTORS EXAM	3
ACR 209	COMMERCIAL AIR CONDITIONING SYSTEMS	3
ACR 210	TROUBLESHOOTING HVAC/R SYSTEMS	3
WKO 110	NCCER CORE	3
<b>Sub-Total Credits</b>		<b>12</b>

## General Studies Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	MTH 116 or Higher	3
	Natural Science/Math Elective	3 - 4
	History or Social/Behavioral Science Elective	3
	Humanities/Fine Arts Elective	3
<b>Sub-Total Credits</b>		<b>15-16</b>
Total credits for degree:		67-68

### Long-Term Certificate (ACR)

Hamilton & Sumiton Campuses

Program: [Air Conditioning & Refrigeration Technology \(ACR\)](#)

Type: Long-Term Certificate

### Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

## Field of Study Courses

Item #	Title	Credits
ACR 111	PRINCIPLES OF REFRIGERATION	3
ACR 112	HVAC/R SERVICE PROCEDURES	3
ACR 113	REFRIGERATION PIPING PRACTICES	3
ACR 119	FUNDAMENTALS OF GAS HEATING SYSTEMS	3
ACR 121	PRINCIPLES OF ELECTRICITY FOR HVAC/R	3
ACR 122	HVAC/R ELECTRICAL CIRCUITS	3
ACR 123	HVAC/R ELECTRICAL COMPONENTS	3
ACR 128	HEAT LOAD CALCULATIONS	3
ACR 132	RESIDENTIAL AIR CONDITIONING	3
ACR 147	REFRIGERATION TRANSITION & RECOVERY THEORY	3
ACR 148	HEAT PUMPS SYSTEMS I	3
<b>Sub-Total Credits</b>		<b>33</b>

## Field of Study Electives

Select 3 courses from the following offerings

Item #	Title	Credits
ACR 120	FUNDAMENTALS OF ELECTRIC HEATING SYSTEMS	3
ACR 126	COMMERCIAL HEATING SYSTEMS	3
ACR 127	HVAC/R ELECTRIC MOTORS	3
ACR 133	DOMESTIC REFRIGERATION	3
ACR 134	ICE MACHINES	3
ACR 144	BASIC DRAWING AND BLUEPRINT READING IN HVAC	3
ACR 192	HVAC Apprenticeship/Internship	3
ACR 200	REVIEW FOR CONTRACTORS EXAM	3
ACR 209	COMMERCIAL AIR CONDITIONING SYSTEMS	3
ACR 210	TROUBLESHOOTING HVAC/R SYSTEMS	3
WKO 110	NCCER CORE	3
	<b>Sub-Total Credits</b>	<b>9</b>

## General Studies Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	MTH 116 or Higher	3
	<b>Sub-Total Credits</b>	<b>6</b>
	Total credits for degree:	49

# Advanced Engineering Design Technology (EDT) Program

Hamilton & Sumiton Campuses

The Advanced Engineering Design Technology (DDT) program, prepares individuals to apply basic engineering principles and technical skills to the identifications and resolution of production problems in the manufacture of products. The courses offer instructional skills for engineering technicians in design through 2-D and 3-D concepts in mechanical and architectural design, computer- aided manufacturing (CAM), additive manufacturing, planning. Beville State graduates in Advanced Engineering Design Technology will obtain the essential skill to link engineering and manufacturing. Preparing them for entry into the workplace of CAD/CAM engineering design, planning, and additive manufacturing.

## Advanced Engineering Design Technology (EDT) Degrees and Certificates

### Associate In Applied Science Degree (EDT)

Hamilton & Sumiton Campuses

Program: [Advanced Engineering Design Technology \(EDT\)](#)

Type: AAS Degree

### Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

### General Studies Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	MTH 116 or Higher	3
	Natural Science/Math Elective	3 - 4
	History or Social/Behavioral Science Elective	3
	Humanities/Fine Arts Elective	3
<b>Sub-Total Credits</b>		<b>15-16</b>

### Required Courses

Item #	Title	Credits
ADM 101	PRECISION MEASUREMENT	3
DDT 244	ADVANCED 3D MODELING	3
DDT 104	BASIC COMPUTER AIDED DRAFTING AND DESIGN	3
DDT 111	FUNDAMENTALS OF DRAFTING AND DESIGN TECHNOLOGY	3
DDT 124	BASIC TECHNICAL DRAWING	3
DDT 127	INTERMEDIATE COMPUTER AIDED DRAFTING AND DESIGN	3
DDT 128	INTERMEDIATE TECHNICAL DRAWING	3
DDT 131	MACHINE DRAFTING BASICS	3
DDT 132	ARCHITECTURAL DRAFTING	3
DDT 144	BASIC 3D MODELING	3
DDT 211	INTERMEDIATE MACHINE DRAFTING	3
DDT 212	INTERMEDIATE ARCHITECTURAL DRAFTING	3
DDT 233	INTERMEDIATE 3D MODELING	3
DDT 238	SPECIAL TOPICS IN CAD	3
<b>Sub-Total Credits</b>		<b>42</b>

## Electives

Choose Three Courses (12 Hours)

Item #	Title	Credits
ADM 162	ADDITIVE MANUFACTURING PROCESS-POLYMERS	3
AET 191	BUILDING INFORMATION MODELING (BIM)	3
DDT 236	DESIGN PROJECTS	3
DDT 244	ADVANCED 3D MODELING	3
DDT 115	BLUEPRINT READING FOR MACHINISTS	3
DDT 116	BLUEPRINT READING FOR CONSTRUCTION	3
DDT 215	GEOMETRIC DIMENSIONING & TOLERANCING	3
DDT 133	BASIC SURVEYING	3
	<b>Sub-Total Credits</b>	<b>12</b>
	Total credits for degree:	70-71

### Additive Engineering Technology Short-Term Certificate

Hamilton & Sumiton Campuses

Program: [Advanced Engineering Design Technology \(EDT\)](#)

Type: Short-Term Certificate

### Required Courses

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
ADM 162	ADDITIVE MANUFACTURING PROCESS-POLYMERS	3
DDT 144	BASIC 3D MODELING	3
DDT 233	INTERMEDIATE 3D MODELING	3
	ADM/DDT Elective	3
	<b>Sub-Total Credits</b>	<b>13</b>
	Total credits for degree:	13

### Advanced Engineering Design Technology Short-Term Certificate

Hamilton & Sumiton Campuses

Program: [Advanced Engineering Design Technology \(EDT\)](#)

Type: Short-Term Certificate

### Required Courses

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
ADM 101	PRECISION MEASUREMENT	3
DDT 144	BASIC 3D MODELING	3
ADM 261	REVERSE ENGINEERING	3
DDT 211	INTERMEDIATE MACHINE DRAFTING	3
	ADM/DDT Elective	3
	<b>Sub-Total Credits</b>	<b>16</b>
	Total credits for degree:	16

### Architectural Engineering Technology Short-Term Certificate

Hamilton & Sumiton Campuses

Program: [Advanced Engineering Design Technology \(EDT\)](#)

Type: Short-Term Certificate

## Required Courses

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
DDT 127	INTERMEDIATE COMPUTER AIDED DRAFTING AND DESIGN	3
DDT 132	ARCHITECTURAL DRAFTING	3
DDT 212	INTERMEDIATE ARCHITECTURAL DRAFTING	3
DDT 238	SPECIAL TOPICS IN CAD	3
	AET/DDT Elective	3
	<b>Sub-Total Credits</b>	<b>16</b>
	Total credits for degree:	16

### Engineering Design Technology Short-Term Certificate (EDT)

Hamilton & Sumiton Campuses

Program: [Advanced Engineering Design Technology \(EDT\)](#)

Type: Short-Term Certificate

## Required Courses

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
DDT 104	BASIC COMPUTER AIDED DRAFTING AND DESIGN	3
DDT 127	INTERMEDIATE COMPUTER AIDED DRAFTING AND DESIGN	3
DDT 111	FUNDAMENTALS OF DRAFTING AND DESIGN TECHNOLOGY	3
DDT 124	BASIC TECHNICAL DRAWING	3
DDT 128	INTERMEDIATE TECHNICAL DRAWING	3
DDT 131	MACHINE DRAFTING BASICS	3
	<b>Sub-Total Credits</b>	<b>19</b>
	Total credits for degree:	19

# Child Development (CHD) Program

Online

The Child Development program is designed to prepare students for employment as directors, teachers, or aides in preschools and day cares; aides in public schools, and teachers or aides in the Head Start Program. Courses in the program are designed to meet the State of Alabama minimum standards for Day Care Facilities and Preschools along with the national certification, Child Development Associate. All students enrolled in the Child Development program will require a criminal background check prior to designated practicum course work (please see course descriptions for designated courses). The cost of the background check will be the responsibility of the student. Issues pertaining to or resulting in positive findings in the background check will result in the student being denied enrollment.

## Child Development (CHD) Degrees and Certificates

### Associate In Applied Science Degree (CHD)

Online

Program: [Child Development \(CHD\)](#)

Type: AAS Degree

### Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

### Field of Study Courses

Current infant-child CPR and first aid certification may replace EMS 103

Item #	Title	Credits
CHD 100	INTRODUCTION TO EARLY CARE AND EDUCATION OF CHILDREN	3
CHD 201	CHILD GROWTH AND DEVELOPMENT PRINCIPLES	3
CHD 202	CHILDREN'S CREATIVE EXPERIENCES	3
CHD 203	CHILDREN'S LITERATURE AND LANGUAGE DEVELOPMENT	3
CHD 204	METHODS AND MATERIALS FOR TEACHING CHILDREN	3
CHD 205	PROGRAM PLANNING FOR EDUCATING YOUNG CHILDREN	3
CHD 206	CHILDREN'S HEALTH AND SAFETY	3
CHD 209	INFANT AND TODDLER EDUCATION PROGRAMS	3
CHD 210	EDUCATING EXCEPTIONAL YOUNG CHILDREN	3
CHD 214	FAMILIES AND COMMUNITIES IN EARLY CARE AND EDUCATION PROGRAMS	3
CHD 215	SUPERVISED PRACTICAL EXPERIENCE IN EARLY CHILDHOOD EDUCATION	3
EMS 103	FIRST AID-CPR and AED	1
CHD 208	ADMINISTRATION OF CHILD DEVELOPMENT PROGRAMS	3
<b>Sub-Total Credits</b>		<b>37</b>

### General Studies Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	Humanities/Fine Arts Elective	3
	SPH 106 or SPH 107	3
	MTH 116 or Higher	3
PSY 200	GENERAL PSYCHOLOGY	3
CIS 146	MICROCOMPUTER APPLICATIONS	3
	Natural Science Elective	4
<b>Sub-Total Credits</b>		<b>22</b>
Total credits for degree:		60

### Long-Term Certificate (CHD)

Online

Program: [Child Development \(CHD\)](#)

Type: Long-Term Certificate

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

## Field of Study Courses

Current infant-child CPR and first aid certification may replace EMS 103.

Item #	Title	Credits
EMS 103	FIRST AID-CPR and AED	1
CHD 100	INTRODUCTION TO EARLY CARE AND EDUCATION OF CHILDREN	3
CHD 201	CHILD GROWTH AND DEVELOPMENT PRINCIPLES	3
CHD 202	CHILDREN'S CREATIVE EXPERIENCES	3
CHD 203	CHILDREN'S LITERATURE AND LANGUAGE DEVELOPMENT	3
CHD 204	METHODS AND MATERIALS FOR TEACHING CHILDREN	3
CHD 205	PROGRAM PLANNING FOR EDUCATING YOUNG CHILDREN	3
CHD 206	CHILDREN'S HEALTH AND SAFETY	3
CHD 214	FAMILIES AND COMMUNITIES IN EARLY CARE AND EDUCATION PROGRAMS	3
CHD 215	SUPERVISED PRACTICAL EXPERIENCE IN EARLY CHILDHOOD EDUCATION	3
CHD 208	ADMINISTRATION OF CHILD DEVELOPMENT PROGRAMS	3
<b>Sub-Total Credits</b>		<b>31</b>

## General Studies Courses Semester Hours

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	SPH 106 or SPH 107	3
	MTH 116 or Higher	3
CIS 146	MICROCOMPUTER APPLICATIONS	3
<b>Sub-Total Credits</b>		<b>12</b>
Total credits for degree:		44

### Short-Term Certificate (CHD)

Online

Program: [Child Development \(CHD\)](#)

Type: Short-Term Certificate

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>



## Field of Study Courses

Current infant-child CPR and first aid certification may replace EMS 103.

Item #	Title	Credits
EMS 103	FIRST AID-CPR and AED	1
CHD 100	INTRODUCTION TO EARLY CARE AND EDUCATION OF CHILDREN	3
CHD 201	CHILD GROWTH AND DEVELOPMENT PRINCIPLES	3
CHD 202	CHILDREN'S CREATIVE EXPERIENCES	3
CHD 203	CHILDREN'S LITERATURE AND LANGUAGE DEVELOPMENT	3
CHD 204	METHODS AND MATERIALS FOR TEACHING CHILDREN	3
CHD 205	PROGRAM PLANNING FOR EDUCATING YOUNG CHILDREN	3
CHD 206	CHILDREN'S HEALTH AND SAFETY	3
CHD 215	SUPERVISED PRACTICAL EXPERIENCE IN EARLY CHILDHOOD EDUCATION	3
	<b>Sub-Total Credits</b>	<b>25</b>
	Total credits for degree:	26

# Computer Science (IT) Program

Fayette, Hamilton, & Sumiton Campuses

Information Technology has become an integral part of modern life. Among its most important functions are the efficient transmission of information and the storage and analysis of information. Computer user support specialists provide help and advice to computer users and organizations. Cyber security analysts plan and carry out security measures to protect an organization's computer networks and systems. Data scientists use specialized software to store, organize, and interpret data. Network administrators design and build data communications networks, including local area networks (LANs), wide area networks (WANs), and Intranets. Computer programmers write and test code that allows computer applications and software programs to function properly. Software developers are the creative minds behind computer programs who develop applications that allow users to complete tasks on their devices. Web developers design and create websites.

(Occupational Outlook Handbook)

NOTE: Check with an advisor for program and course location by campus.

## Computer Science (IT) Degrees and Certificates

### Associate In Applied Science Degree (IT)

Fayette, Hamilton, & Sumiton Campuses

Program: [Computer Science \(IT\)](#)

Type: AAS Degree

### Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

### General Studies Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	SPH 106 or SPH 107	3
	MTH 116 or Higher	3
	History or Social/Behavioral Science Elective	3
	Humanities/Fine Arts Elective	3
<b>Sub-Total Credits</b>		<b>15</b>

### Field of Study Courses

Item #	Title	Credits
CIS 146	MICROCOMPUTER APPLICATIONS	3
CIS 147	ADVANCED MICRO APPLICATIONS	3
CIS 150	INTRODUCTION TO COMPUTER LOGIC AND PROGRAMMING	3
CIS 157	Introduction to App Development with Swift	3
CIS 161	INTRODUCTION TO NETWORK COMMUNICATION	3
CIS 207	INTRODUCTION TO WEB DEVELOPMENT	3
CIS 208	WEB AUTHORING SOFTWARE	3
CIS 209	ADVANCED WEB DEVELOPMENT	3
CIS 222	DATABASE MANAGEMENT SYSTEMS	3
CIS 245	CYBER DEFENSE	3
CIS 249	MICROCOMPUTER OPERATING SYSTEMS	3
CIS 268	SOFTWARE SUPPORT	3
CIS 269	HARDWARE SUPPORT	3
<b>Sub-Total Credits</b>		<b>39</b>

Select one of the following concentrations

**GENERAL INFORMATION TECHNOLOGY CONCENTRATION (IT1) - Select 6 credit hours from the following:**

Item #	Title	Credits
CIS 155	INTRODUCTION TO MOBILE APP DEVELOPMENT	3
CIS 159	Introduction to Graphic Design for Apps	3
CIS 171	LINUX I	3
CIS 182	Help Desk Applications	3
CIS 246	ETHICAL HACKING	3
CIS 251	C++ PROGRAMMING	3
CIS 277	Network Services Administration	3
CIS 281	SYSTEM ANALYSIS AND DESIGN	3
CIS 282	COMPUTER FORENSICS	3
CIS 284	CIS INTERNSHIP	3
CIS 285	OBJECT ORIENTED PROGRAMMING	3
CIS 286	COMPUTERIZED MANAGEMENT INFO SYSTEMS (EXCEL)	3
<b>Sub-Total Credits</b>		<b>6</b>

**CYBER SECURITY CONCENTRATION (IT2)**

Item #	Title	Credits
CIS 171	LINUX I	3
CIS 182	Help Desk Applications	3
CIS 246	ETHICAL HACKING	3
CIS 277	Network Services Administration	3
CIS 282	COMPUTER FORENSICS	3
<b>Sub-Total Credits</b>		<b>15</b>

**DATA SCIENTIST CONCENTRATION (IT7)**

Item #	Title	Credits
CIS 286	COMPUTERIZED MANAGEMENT INFO SYSTEMS (EXCEL)	3
CIS 251	C++ PROGRAMMING	3
CIS 281	SYSTEM ANALYSIS AND DESIGN	3
CIS 285	OBJECT ORIENTED PROGRAMMING	3
BUS 271	BUSINESS STATISTICS I	3
<b>Sub-Total Credits</b>		<b>15</b>

**NETWORK ADMINISTRATOR CONCENTRATION (IT4)**

Item #	Title	Credits
CIS 182	Help Desk Applications	3
CIS 246	ETHICAL HACKING	3
CIS 277	Network Services Administration	3
CIS 282	COMPUTER FORENSICS	3
CIS 284	CIS INTERNSHIP	3
<b>Sub-Total Credits</b>		<b>15</b>

**SOFTWARE DEVELOPER CONCENTRATION (IT5)**

Item #	Title	Credits
CIS 251	C++ PROGRAMMING	3
CIS 285	OBJECT ORIENTED PROGRAMMING	3
CIS 159	Introduction to Graphic Design for Apps	3
CIS 220	App Development with Swift I	3
CIS 227	App Development with Swift II	3
<b>Sub-Total Credits</b>		<b>15</b>

## APP DEVELOPER PLUS CONCENTRATION (IT6)

Item #	Title	Credits
CIS 159	Introduction to Graphic Design for Apps	3
CIS 220	App Development with Swift I	3
CIS 227	App Development with Swift II	3
<b>Sub-Total Credits</b>		<b>9</b>

## APP DEVELOPER PLUS CONCENTRATION Select 6 credit hours from the following courses:

Item #	Title	Credits
CIS 155	INTRODUCTION TO MOBILE APP DEVELOPMENT	3
CIS 171	LINUX I	3
CIS 182	Help Desk Applications	3
CIS 246	ETHICAL HACKING	3
CIS 251	C++ PROGRAMMING	3
CIS 277	Network Services Administration	3
CIS 281	SYSTEM ANALYSIS AND DESIGN	3
CIS 282	COMPUTER FORENSICS	3
CIS 284	CIS INTERNSHIP	3
CIS 285	OBJECT ORIENTED PROGRAMMING	3
CIS 286	COMPUTERIZED MANAGEMENT INFO SYSTEMS (EXCEL)	3
<b>Sub-Total Credits</b>		<b>6</b>
Total credits for degree:		61-70

## Short-Term Certificate (APP DEVELOPMENT WITH SWIFT) (IT6)

Fayette, Hamilton, & Sumiton Campuses

Program: [Computer Science \(IT\)](#)

Type: Short-Term Certificate

The App Development with Swift Short-Term Certificate Program will provide students with the knowledge, fundamentals, and skills needed to develop apps for various types of Apple products using the Swift programming language. Students will learn how to build simple workflows and navigation hierarchies; write strings, functions, structures, collections, and loops to create programming code; design and create apps using the Xcode development environment to build and run projects using its iOS simulator; design and create graphics for app design; and design and architect projects for their own design. The curriculum was designed by Apple for students with no prior programming experience and is appropriate for students from many majors.

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
CIS 157	Introduction to App Development with Swift	3
CIS 159	Introduction to Graphic Design for Apps	3
CIS 220	App Development with Swift I	3
CIS 227	App Development with Swift II	3
<b>Sub-Total Credits</b>		<b>13</b>
Total credits for degree:		13

## Short-Term Certificate (COMPUTER NETWORK SUPPORT)(IT9)

Fayette, Hamilton, & Sumiton Campuses

This STC is designed for students who want to work with computer networks and needs specific training in the areas of network communications and administration, cyber security, computer support, and help desk administration.

Program: [Computer Science \(IT\)](#)

Type: Short-Term Certificate

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

## Field of Study Courses

Item #	Title	Credits
CIS 161	INTRODUCTION TO NETWORK COMMUNICATION	3
CIS 182	Help Desk Applications	3
CIS 245	CYBER DEFENSE	3
CIS 249	MICROCOMPUTER OPERATING SYSTEMS	3
CIS 268	SOFTWARE SUPPORT	3
CIS 269	HARDWARE SUPPORT	3
CIS 277	Network Services Administration	3
<b>Sub-Total Credits</b>		<b>21</b>
Total credits for degree:		22

### Short-Term Certificate (COMPUTER PROGRAMMER)(IT0)

Fayette, Hamilton, & Sumiton Campuses

This short term certificate is designed to prepare students to work as computer programmers and software developers.

Program: [Computer Science \(IT\)](#)

Type: Short-Term Certificate

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

## Field of Study Courses

Item #	Title	Credits
CIS 150	INTRODUCTION TO COMPUTER LOGIC AND PROGRAMMING	3
CIS 251	C++ PROGRAMMING	3
CIS 285	OBJECT ORIENTED PROGRAMMING	3
<b>Sub-Total Credits</b>		<b>9</b>
Total credits for degree:		10

### Short-Term Certificate (COMPUTER USER SUPPORT)(IT8)

Fayette, Hamilton, & Sumiton Campuses

Program: [Computer Science \(IT\)](#)

Type: Short-Term Certificate

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

## Field of Study Courses

Item #	Title	Credits
CIS 249	MICROCOMPUTER OPERATING SYSTEMS	3
CIS 268	SOFTWARE SUPPORT	3
CIS 269	HARDWARE SUPPORT	3
<b>Sub-Total Credits</b>		<b>9</b>
Total credits for degree:		10

### Short-Term Certificate (CYBER SECURITY) (IT2)

Fayette, Hamilton, & Sumiton Campuses

Program: [Computer Science \(IT\)](#)

Type: Short-Term Certificate

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

## Field of Study Courses

Item #	Title	Credits
CIS 245	CYBER DEFENSE	3
CIS 246	ETHICAL HACKING	3
CIS 282	COMPUTER FORENSICS	3
<b>Sub-Total Credits</b>		<b>9</b>
Total credits for degree:		10

### Short-Term Certificate (DATA SCIENTIST) (IT7)

Fayette, Hamilton, & Sumiton Campuses

This short term certificate is designed to prepare the students to work as data scientists who are trained to interpret or tell stories about information. It combines training in the areas of computer programming, advanced spreadsheet and database skills, and statistics.

Program: [Computer Science \(IT\)](#)

Type: Short-Term Certificate

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

## Field of Study Courses

Item #	Title	Credits
CIS 147	ADVANCED MICRO APPLICATIONS	3
CIS 222	DATABASE MANAGEMENT SYSTEMS	3
CIS 286	COMPUTERIZED MANAGEMENT INFO SYSTEMS (EXCEL)	3
CIS 286	COMPUTERIZED MANAGEMENT INFO SYSTEMS (EXCEL)	3
CIS 150	INTRODUCTION TO COMPUTER LOGIC AND PROGRAMMING	3
CIS 251	C++ PROGRAMMING	3
CIS 285	OBJECT ORIENTED PROGRAMMING	3
BUS 271	BUSINESS STATISTICS I	3
<b>Sub-Total Credits</b>		<b>24</b>
Total credits for degree:		25

## Short-Term Certificate (INFORMATION TECHNOLOGY)(IT1)

Fayette, Hamilton, & Sumiton Campuses

Program: [Computer Science \(IT\)](#)

Type: Short-Term Certificate

### Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

### Field of Study Courses

Item #	Title	Credits
CIS 146	MICROCOMPUTER APPLICATIONS	3
CIS 150	INTRODUCTION TO COMPUTER LOGIC AND PROGRAMMING	3
CIS 161	INTRODUCTION TO NETWORK COMMUNICATION	3
CIS 268	SOFTWARE SUPPORT	3
CIS 269	HARDWARE SUPPORT	3
<b>Sub-Total Credits</b>		<b>15</b>

### Field of Study Electives

Select 9 credit hours from the following offerings:

Item #	Title	Credits
CIS 147	ADVANCED MICRO APPLICATIONS	3
CIS 155	INTRODUCTION TO MOBILE APP DEVELOPMENT	3
CIS 171	LINUX I	3
CIS 207	INTRODUCTION TO WEB DEVELOPMENT	3
CIS 208	WEB AUTHORING SOFTWARE	3
CIS 209	ADVANCED WEB DEVELOPMENT	3
CIS 222	DATABASE MANAGEMENT SYSTEMS	3
CIS 245	CYBER DEFENSE	3
CIS 246	ETHICAL HACKING	3
CIS 249	MICROCOMPUTER OPERATING SYSTEMS	3
CIS 251	C++ PROGRAMMING	3
CIS 281	SYSTEM ANALYSIS AND DESIGN	3
CIS 282	COMPUTER FORENSICS	3
CIS 285	OBJECT ORIENTED PROGRAMMING	3
CIS 286	COMPUTERIZED MANAGEMENT INFO SYSTEMS (EXCEL)	3
<b>Sub-Total Credits</b>		<b>9</b>
Total credits for degree:		25

## Short-Term Certificate (WEB DEVELOPER) (IT3)

Fayette, Hamilton, & Sumiton Campuses

Program: [Computer Science \(IT\)](#)

Type: Short-Term Certificate

### Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

## Field of Study Courses

Item #	Title	Credits
CIS 207	INTRODUCTION TO WEB DEVELOPMENT	3
CIS 208	WEB AUTHORIZING SOFTWARE	3
CIS 209	ADVANCED WEB DEVELOPMENT	3
<b>Sub-Total Credits</b>		<b>9</b>
Total credits for degree:		10



# Electrical Systems Technology (ELT) Program

Fayette, Hamilton, & Sumiton Campuses

Electrical Technicians install and maintain all of the electrical and power systems for homes, businesses, and manufacturers. They install and maintain the wiring and control equipment through which electricity flows. Technicians also install, calibrate, and maintain electrical equipment in a wide range of fields. Imagine an automated manufacturing line: a large conveyor system moves unfinished products down the line, robotic welding arms bond the different parts together, and hydraulic lifts move the finished products. All these complex machines need technicians to install and service them to make sure they function properly. Job opportunities for electrical technicians may include residential and commercial wiring, industrial plant operations, automated manufacturing, renewable energy resources, manufacturing engineering, and industrial electronics.

(Occupational Outlook Handbook)

NOTE: Check with an advisor for program option and course location by campus.

## Electrical Systems Technology (ELT) Degrees and Certificates

### Associate In Applied Science Degree (ELT)

Fayette, Hamilton, & Sumiton Campuses

Program: [Electrical Systems Technology \(ELT\)](#)

Type: AAS Degree

### Core Requirements

Item #	Title	Credits
ETC 101	DC FUNDAMENTALS	3
ETC 102	AC FUNDAMENTALS	3
ETC 108	MOTOR CONTROLS I	3
INT 184	INTRODUCTION TO PROGRAMMABLE LOGIC CONTROLLERS	3
WKO 110	NCCER CORE	3
ELT 118	COMMERCIAL/INDUSTRIAL WIRING	3
ELT 241	NATIONAL ELECTRIC CODE	3
ILT 139	INTRODUCTION TO ROBOTIC PROGRAMMING	3
INT 118	FUNDAMENTALS OF INDUSTRIAL HYDRAULICS AND PNEUMATICS	3
ELT 212	MOTOR CONTROL II	3
ILT 196	ADVANCED PROGRAMMABLE LOGIC CONTROLLERS	3
INT 117	PRINCIPLES OF INDUSTRIAL MECHANICS	3
ELT 110	WIRING METHODS	3
<b>Sub-Total Credits</b>		<b>39</b>

### CHOOSE TWO

Item #	Title	Credits
INT 134	PRINCIPLES OF INDUSTRIAL MAINTENANCE WELDING AND METAL CUTTING TECHNIQUES	3
AUT 219	PLC Applications	3
ETC 103	SOLID STATE FUNDAMENTALS	3
ETC 104	DIGITAL FUNDAMENTALS	3
<b>Sub-Total Credits</b>		<b>6</b>

### General Studies/ORI Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	MTH 116 or Higher	3
	Natural Science/Math Elective	3 - 4
	History or Social/Behavioral Science Elective	3
	Humanities/Fine Arts Elective	3
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>16-17</b>
Total credits for degree:		61-62

### Long-Term Certificate (ELT)

Fayette, Hamilton, & Sumiton Campuses

Program: [Electrical Systems Technology \(ELT\)](#)

Type: Long-Term Certificate

### Core Courses

Item #	Title	Credits
ETC 101	DC FUNDAMENTALS	3
ETC 102	AC FUNDAMENTALS	3
ETC 108	MOTOR CONTROLS I	3
ELT 212	MOTOR CONTROL II	3
WKO 110	NCCER CORE	3
INT 184	INTRODUCTION TO PROGRAMMABLE LOGIC CONTROLLERS	3
ILT 196	ADVANCED PROGRAMMABLE LOGIC CONTROLLERS	3
INT 117	PRINCIPLES OF INDUSTRIAL MECHANICS	3
ELT 110	WIRING METHODS	3
ETC 103	SOLID STATE FUNDAMENTALS	3
ELT 118	COMMERCIAL/INDUSTRIAL WIRING	3
INT 118	FUNDAMENTALS OF INDUSTRIAL HYDRAULICS AND PNEUMATICS	3
<b>Sub-Total Credits</b>		<b>36</b>

### General Studies/ORI Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	MTH 116 or Higher	3
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>7</b>
Total credits for degree:		43

### Automated Manufacturing Short-Term Certificate (AUT)

Fayette, Hamilton, & Sumiton Campuses

Program: [Electrical Systems Technology \(ELT\)](#)

Type: Short-Term Certificate

### Core Requirements

Item #	Title	Credits
AUT 110	DC FUNDAMENTALS	3
AUT 111	AC FUNDAMENTALS	3
AUT 130	FUNDAMENTALS OF INDUSTRIAL HYDRAULICS AND PNEUMATICS	3
AUT 114	INTRODUCTION TO PROGRAMMABLE LOGIC CONTROLLERS	3
AUT 139	INTRO TO ROBOTIC PROGRAMMING	3
AUT 221	ADVANCED PROGRAMMABLE LOGIC CONTROLLERS	3
WKO 110	NCCER CORE	3
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>22</b>
Total credits for degree:		22

### Electrical Short-Term Certificate (ELT)

Fayette, Hamilton, & Sumiton Campuses

Program: [Electrical Systems Technology \(ELT\)](#)

Type: Short-Term Certificate

## Core Requirements

Item #	Title	Credits
ETC 101	DC FUNDAMENTALS	3
ETC 102	AC FUNDAMENTALS	3
ELT 241	NATIONAL ELECTRIC CODE	3
ELT 110	WIRING METHODS	3
ELT 118	COMMERCIAL/INDUSTRIAL WIRING	3
WKO 110	NCCER CORE	3
ORI 107	STUDENT SURVIVAL SKILLS	1
	<b>Sub-Total Credits</b>	<b>19</b>
	Total credits for degree:	19

### Electronics Short-Term Certificate (ILT)

Fayette, Hamilton, & Sumiton Campuses

Program: [Electrical Systems Technology \(ELT\)](#)

Type: Short-Term Certificate

## Core Requirements

Item #	Title	Credits
ETC 101	DC FUNDAMENTALS	3
ETC 102	AC FUNDAMENTALS	3
ETC 104	DIGITAL FUNDAMENTALS	3
ETC 103	SOLID STATE FUNDAMENTALS	3
WKO 110	NCCER CORE	3
ORI 107	STUDENT SURVIVAL SKILLS	1
	<b>Sub-Total Credits</b>	<b>16</b>
	Total credits for degree:	16

### Industrial Plant Technician Short-Term Certificate (IPT)

Fayette, Hamilton, & Sumiton Campuses

Program: [Electrical Systems Technology \(ELT\)](#)

Type: Short-Term Certificate

## Core Requirements

Item #	Title	Credits
INT 101	DC Fundamentals	3
INT 103	AC Fundamentals	3
INT 113	Motor Controls I	3
ELT 212	MOTOR CONTROL II	3
INT 117	PRINCIPLES OF INDUSTRIAL MECHANICS	3
INT 118	FUNDAMENTALS OF INDUSTRIAL HYDRAULICS AND PNEUMATICS	3
WKO 110	NCCER CORE	3
ORI 107	STUDENT SURVIVAL SKILLS	1
	<b>Sub-Total Credits</b>	<b>22</b>
	Total credits for degree:	22

# Industrial Mechanical Maintenance Technology (INT) Program

Hamilton & Sumiton Campuses

## Industrial Mechanical Maintenance Technology (INT) Degrees and Certificates

### Associate In Applied Science Degree (INT)

Hamilton & Sumiton Campuses

Industrial Plant Technicians install and maintain manufacturing equipment. Technicians must be able to detect minor problems and correct them before they become larger problems. Industrial Plant Technicians use technical manuals, their understanding of the equipment, and careful observation to discover the cause of the problem. For example, after hearing a vibration from a machine, the technician must decide whether it is due to worn belts, weak motor bearings, or some other problem. Technicians are prepared to use computerized diagnostic systems and vibration analysis equipment to determine the nature of a problem. Increasingly, Industrial Plant Technicians have the electrical, electronics, and computer programming skills to repair sophisticated equipment on their own. Effective July 1, 2011 colleges are required to disclose certain information for any Title IV eligible program that prepares students for gainful employment (as defined by the US Department of Education) in a recognized occupation. The Industrial Plant Technician

**Program:** [Industrial Mechanical Maintenance Technology \(INT\)](#)

**Type:** AAS Degree

### Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

### Field of Concentration Courses

Item #	Title	Credits
	MTT 100 or MTT 147 & 148	6
	MTT 103 or MTT 149 & 150	6
MTT 121	BASIC PRINT READING FOR MACHINISTS	3
WKO 110	NCCER CORE	3
MTT 127	INTRODUCTION TO METROLOGY	3
INT 117	PRINCIPLES OF INDUSTRIAL MECHANICS	3
INT 134	PRINCIPLES OF INDUSTRIAL MAINTENANCE WELDING AND METAL CUTTING TECHNIQUES	3
INT 118	FUNDAMENTALS OF INDUSTRIAL HYDRAULICS AND PNEUMATICS	3
MTT 292	COOPERATIVE EDUCATION IN MACHINE TOOL TECHNOLOGY	3
ELM 214	PUMPS AND PIPING SYSTEMS	3
WDT 108	SMAW FILLET/OFC	3
WDT 122	SMAW FILLET/OFC LAB	3
WDT 119	GAS METAL ARC/FLUX CORED ARC WELDING	3
MTT 181	SPECIAL TOPICS IN MACHINE TOOL TECHNOLOGY	3
<b>Sub-Total Credits</b>		<b>48</b>

### General Studies Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	MTH 116 or Higher	3
	Natural Science/Math Elective	3 - 4
	History or Social/Behavioral Science Elective	3
	Humanities/Fine Arts Elective	3
<b>Sub-Total Credits</b>		<b>15-16</b>
Total credits for degree:		64-65

### Long-Term Certificate (INT)

Hamilton & Sumiton Campuses

**Program:** [Industrial Mechanical Maintenance Technology \(INT\)](#)

**Type:** Long-Term Certificate

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
	<b>Sub-Total Credits</b>	<b>1</b>

## Core Courses

Item #	Title	Credits
	MTH 116 or Higher	3
	MTT 100 or MTT 147 & 148	6
	MTT 103 or MTT 149 & 150	6
MTT 121	BASIC PRINT READING FOR MACHINISTS	3
WKO 110	NCCER CORE	3
MTT 127	INTRODUCTION TO METROLOGY	3
INT 117	PRINCIPLES OF INDUSTRIAL MECHANICS	3
INT 134	PRINCIPLES OF INDUSTRIAL MAINTENANCE WELDING AND METAL CUTTING TECHNIQUES	3
INT 118	FUNDAMENTALS OF INDUSTRIAL HYDRAULICS AND PNEUMATICS	3
MTT 292	COOPERATIVE EDUCATION IN MACHINE TOOL TECHNOLOGY	3
ENG 101	ENGLISH COMPOSITION I	3
ELM 214	PUMPS AND PIPING SYSTEMS	3
WDT 108	SMAW FILLET/OFC	3
WDT 122	SMAW FILLET/OFC LAB	3
	<b>Sub-Total Credits</b>	<b>48</b>
	Total credits for degree:	49

### Short-Term Certificate #1 (IN1)

Hamilton & Sumiton Campuses

Program: [Industrial Mechanical Maintenance Technology \(INT\)](#)

Type: Short-Term Certificate

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
	<b>Sub-Total Credits</b>	<b>1</b>

## Core Courses

Item #	Title	Credits
	MTT 100 or MTT 147 & 148	6
	MTT 103 or MTT 149 & 150	6
MTT 121	BASIC PRINT READING FOR MACHINISTS	3
WKO 110	NCCER CORE	3
	<b>Sub-Total Credits</b>	<b>18</b>
	Total credits for degree:	19

### Short-Term Certificate #2 (IN2)

Hamilton & Sumiton Campuses

Program: [Industrial Mechanical Maintenance Technology \(INT\)](#)

Type: Short-Term Certificate

## Core Requirements

Item #	Title	Credits
MTT 127	INTRODUCTION TO METROLOGY	3
INT 117	PRINCIPLES OF INDUSTRIAL MECHANICS	3
INT 134	PRINCIPLES OF INDUSTRIAL MAINTENANCE WELDING AND METAL CUTTING TECHNIQUES	3
INT 118	FUNDAMENTALS OF INDUSTRIAL HYDRAULICS AND PNEUMATICS	3
MTT 292	COOPERATIVE EDUCATION IN MACHINE TOOL TECHNOLOGY	3
	<b>Sub-Total Credits</b>	<b>15</b>
	Total credits for degree:	15

# Machine Tool Technology (MTT) Program

Hamilton & Jasper Campuses

Machinists use machine tools, such as lathes, milling machines, and grinders, to produce precision metal parts. Although they may produce large quantities of one part, precision machinists often produce small batches or one-of-a-kind items. They use their knowledge of the working properties of metals and their skill with machine tools to plan and carry out the operations needed to make machined products that meet precise specifications. Machinists first review electronic or written blueprints or specifications for a job before they machine a part. Next, they calculate where to cut or bore into the workpiece—the piece of steel, aluminum, titanium, plastic, silicon, or any other material that is being shaped.

(Occupational Outlook Handbook)

NOTE: Check with an advisor for program and course location by campus.

## Machine Tool Technology (MTT) Degrees and Certificates

### Associate In Applied Science Degree (MTT)

Hamilton & Jasper Campuses

Program: [Machine Tool Technology \(MTT\)](#)

Type: AAS Degree

### Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
	<b>Sub-Total Credits</b>	<b>1</b>

### Field of Concentration Courses

Item #	Title	Credits
	MTT 100 or MTT 147 & 148	6
	MTT 103 or MTT 149 & 150	6
MTT 121	BASIC PRINT READING FOR MACHINISTS	3
MTT 127	INTRODUCTION TO METROLOGY	3
MTT 270	MACHINING SKILLS APPLICATION	3
	Specialization Electives (Advisor Approved)	27
	<b>Sub-Total Credits</b>	<b>48</b>

### General Studies Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	MTH 116 or Higher	3
	Natural Science/Math Elective	3 - 4
	History or Social/Behavioral Science Elective	3
	Humanities/Fine Arts Elective	3
	<b>Sub-Total Credits</b>	<b>15-16</b>
	Total credits for degree:	64-65

### Long-Term Certificate (MTT)

Hamilton & Jasper Campuses

Program: [Machine Tool Technology \(MTT\)](#)

Type: Long-Term Certificate

### Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
	<b>Sub-Total Credits</b>	<b>1</b>

## Field of Concentration Courses

Item #	Title	Credits
	MTT 100 or MTT 147 & 148	6
	MTT 103 or MTT 149 & 150	6
MTT 121	BASIC PRINT READING FOR MACHINISTS	3
MTT 127	INTRODUCTION TO METROLOGY	3
MTT 270	MACHINING SKILLS APPLICATION	3
	Specialization Electives (Advisor Approved)	24
	<b>Sub-Total Credits</b>	<b>45</b>

## General Studies Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	MTH 116 or Higher	3
	<b>Sub-Total Credits</b>	<b>6</b>
	Total credits for degree:	52

### Basic Machining Technology Short-Term Certificate (MTT)

Hamilton & Jasper Campuses

Program: [Machine Tool Technology \(MTT\)](#)

Type: Short-Term Certificate

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
	<b>Sub-Total Credits</b>	<b>1</b>

## Field of Concentration Courses

Item #	Title	Credits
	MTT 100 or MTT 147 & 148	6
	MTT 103 or MTT 149 & 150	6
MTT 121	BASIC PRINT READING FOR MACHINISTS	3
MTT 127	INTRODUCTION TO METROLOGY	3
	Specialization Electives (Advisor Approved)	6
	<b>Sub-Total Credits</b>	<b>24</b>
	Total credits for degree:	25

### Computer Numerical Control Short-Term Certificate (CNC)

Hamilton & Jasper Campuses

Program: [Machine Tool Technology \(MTT\)](#)

Type: Short-Term Certificate

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
	<b>Sub-Total Credits</b>	<b>1</b>



## Field of Concentration Courses

Item #	Title	Credits
MTT 109	ORIENTATION TO COMPUTER ASSISTED MANUFACTURING	3
MTT 139	BASIC COMPUTER NUMERICAL CONTROL	3
MTT 270	MACHINING SKILLS APPLICATION	3
	CNC Specialization Electives (Advisor Approved)	15
	<b>Sub-Total Credits</b>	<b>24</b>
	Total credits for degree:	25

# Management and Entrepreneurship (ETP) Program

All Locations

The study of management focuses on how organizations develop and use strategies to compete. The Management and Entrepreneurship associate in applied science degree program enables students to acquire a foundation in the basics of management, marketing, accounting, entrepreneurship, business communication, business law, and customer service. Students learn to apply diverse skills such as critical thinking, organization, problem-solving and professionalism to the business world.

NOTE: Check with an advisor for program and course location by campus.

## Management and Entrepreneurship (ETP) Degrees and Certificates

### Associate In Applied Science Degree (ETP)

All Locations

Program: [Management and Entrepreneurship \(ETP\)](#)

Type: AAS Degree

### Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
	<b>Sub-Total Credits</b>	<b>1</b>

### General Studies Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	Humanities/Fine Arts Elective	3
	SPH 106 or SPH 107	3
	MTH 116 or Higher	3
	Natural Science/Math Elective	3 - 4
ECO 231	PRINCIPLES OF MACROECONOMICS	3
ECO 232	PRINCIPLES OF MICROECONOMICS	3
	<b>Sub-Total Credits</b>	<b>21-22</b>

### Field of Study Courses

Item #	Title	Credits
BUS 263	THE LEGAL AND SOCIAL ENVIRONMENT OF BUSINESS	3
BUS 279	SMALL BUSINESS MANAGEMENT	3
ETP 266	ENTREPRENEURIAL FINANCE	3
MKT 223	CUSTOMER SERVICE	3
ETP 267	INNOVATIONS AND CREATIVITY	3
CIS 146 or OAD 125	CIS 146 or OAD 125	3
CIS 286	COMPUTERIZED MANAGEMENT INFO SYSTEMS (EXCEL)	3
	<b>Sub-Total Credits</b>	<b>21</b>

## Choose Accounting Certificate OR Retail Management Certificate

### Accounting Certificate

Item #	Title	Credits
BUS 241	PRINCIPLES OF ACCOUNTING I	3
BUS 242	PRINCIPLES OF ACCOUNTING II	3
BUS 275	PRINCIPLES OF MANAGEMENT	3
BUS 215/OAD 133	BUSINESS COMMUNICATION	3
OAD 246	OFFICE GRAPHICS AND PRESENTATIONS	3
ACT 246	MICROCOMPUTER ACCOUNTING	3
ACT 249	PAYROLL ACCOUNTING	3
ACT 253	INDIVIDUAL INCOME TAX	3
	<b>Sub-Total Credits</b>	<b>24</b>

## Retail Management Certificate

Item #	Title	Credits
BUS 175	RETAILING	3
BUS 189	HUMAN RELATIONSHIPS	3
BUS 215/OAD 133	BUSINESS COMMUNICATION	3
BUS 241	PRINCIPLES OF ACCOUNTING I	3
OAD 246	OFFICE GRAPHICS AND PRESENTATIONS	3
BUS 275	PRINCIPLES OF MANAGEMENT	3
BUS 276	HUMAN RESOURCE MANAGEMENT	3
BUS 285	PRINCIPLES OF MARKETING	3
<b>Sub-Total Credits</b>		<b>24</b>
Total credits for degree:		67-68

## Accounting Certificate (ET1)

All Locations

Program: [Management and Entrepreneurship \(ETP\)](#)

Type: Short-Term Certificate

## Core Requirements

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
BUS 241	PRINCIPLES OF ACCOUNTING I	3
BUS 242	PRINCIPLES OF ACCOUNTING II	3
BUS 275	PRINCIPLES OF MANAGEMENT	3
BUS 215/OAD 133	BUSINESS COMMUNICATION	3
OAD 246	OFFICE GRAPHICS AND PRESENTATIONS	3
ACT 246	MICROCOMPUTER ACCOUNTING	3
ACT 249	PAYROLL ACCOUNTING	3
ACT 253	INDIVIDUAL INCOME TAX	3
<b>Sub-Total Credits</b>		<b>25</b>
Total credits for degree:		25

## Business Essentials Certificate (ET3)

All Locations

Program: [Management and Entrepreneurship \(ETP\)](#)

Type: Short-Term Certificate

## Required Courses

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
BUS 215/OAD 133	BUSINESS COMMUNICATION	3
BUS 241	PRINCIPLES OF ACCOUNTING I	3
BUS 275	PRINCIPLES OF MANAGEMENT	3
BUS 276	HUMAN RESOURCE MANAGEMENT	3
BUS 285	PRINCIPLES OF MARKETING	3
<b>Sub-Total Credits</b>		<b>16</b>
Total credits for degree:		16

## Entrepreneurship Certificate (ET4)

All Locations

Program: [Management and Entrepreneurship \(ETP\)](#)

Type: Short-Term Certificate

### Required Courses

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
ETP 266	ENTREPRENEURIAL FINANCE	3
ETP 267	INNOVATIONS AND CREATIVITY	3
BUS 279	SMALL BUSINESS MANAGEMENT	3
BUS 285	PRINCIPLES OF MARKETING	3
	BUS Elective	3
	<b>Sub-Total Credits</b>	<b>16</b>
	Total credits for degree:	16

## Retail Management Certificate (ET2)

All Locations

Program: [Management and Entrepreneurship \(ETP\)](#)

Type: Short-Term Certificate

### Core Requirements

Choose either BUS 215 OR OAD133.

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
BUS 175	RETAILING	3
BUS 189	HUMAN RELATIONSHIPS	3
BUS 215/OAD 133	BUSINESS COMMUNICATION	3
BUS 241	PRINCIPLES OF ACCOUNTING I	3
BUS 275	PRINCIPLES OF MANAGEMENT	3
BUS 276	HUMAN RESOURCE MANAGEMENT	3
BUS 285	PRINCIPLES OF MARKETING	3
OAD 246	OFFICE GRAPHICS AND PRESENTATIONS	3
	<b>Sub-Total Credits</b>	<b>25</b>
	Total credits for degree:	25

# Industrial Electrical Technology (IST) Program

Hamilton & Sumiton Campuses

Manufacturing Engineering Technicians maintain, adjust, calibrate, and repair a wide variety of electronic, electromechanical, and hydraulic equipment used in manufacturing environments. Technicians use a wide variety of tools to conduct their work, including multi-meters, specialized software, and computers designed to communicate with specific pieces of hardware. If a machine is not functioning to its potential, the technician may have to adjust the mechanical or hydraulic components, or adjust the software to bring the equipment back into calibration.

Effective July 1, 2011 colleges are required to disclose certain information for any Title IV eligible program that prepares students for gainful employment (as defined by the US Department of Education) in a recognized occupation. The Manufacturing Engineering program has been identified as a Gainful Employment program. Disclosure information about the programs can be found at [www.bscc.edu/documents/BevillGainfulEmploymentDisclosure.pdf](http://www.bscc.edu/documents/BevillGainfulEmploymentDisclosure.pdf).

(Occupational Outlook Handbook)

NOTE: Check with an advisor for

program and course location by campus.

## Industrial Electrical Technology (IST) Degrees and Certificates

### Associate In Applied Science Degree (IST)

Hamilton & Sumiton Campuses

Program: [Industrial Electrical Technology \(IST\)](#)

Type: AAS Degree

### Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

### Field of Concentration Courses

Item #	Title	Credits
ETC 101	DC FUNDAMENTALS	3
ETC 102	AC FUNDAMENTALS	3
ETC 107	ELECTRICAL BLUEPRINT READING I	3
ETC 104	DIGITAL FUNDAMENTALS	3
WKO 110	NCCER CORE	3
ETC 108	MOTOR CONTROLS I	3
INT 184	INTRODUCTION TO PROGRAMMABLE LOGIC CONTROLLERS	3
ELT 118	COMMERCIAL/INDUSTRIAL WIRING	3
AUT 117	AC/DC MACHINES	3
ELT 221	ELECTRONICS FOR ELECTRICIANS	3
ELT 192	PRACTICUM/INTERNSHIP/CO-OP	1
	ILT 108/IST 120	3
ELM 214	PUMPS AND PIPING SYSTEMS	3
ILT 214	CONTROL AND TROUBLESHOOTING FLOW, LEVEL, TEMPERATURE, PRESSURE AND LEVEL PROCESSES	3
ELT 212	MOTOR CONTROL II	3
ILT 196	ADVANCED PROGRAMMABLE LOGIC CONTROLLERS	3
ELT 241	NATIONAL ELECTRIC CODE	3
ILT 110	ADVANCED INDUSTRIAL PROCESS CONTROL TECHNOLOGY	3
<b>Sub-Total Credits</b>		<b>52</b>

### General Studies Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
MTH 116	MATHEMATICAL APPLICATIONS	3
	Natural Science/Math Elective	3 - 4
	History or Social/Behavioral Science Elective	3
	Humanities/Fine Arts Elective	3
<b>Sub-Total Credits</b>		<b>15-16</b>

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Total credits for degree: 68-69

### Long-Term Certificate (IST)

Hamilton & Sumiton Campuses

Program: [Industrial Electrical Technology \(IST\)](#)

Type: Long-Term Certificate

### Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

### Core Courses

Item #	Title	Credits
ETC 101	DC FUNDAMENTALS	3
ETC 102	AC FUNDAMENTALS	3
ETC 107	ELECTRICAL BLUEPRINT READING I	3
ETC 104	DIGITAL FUNDAMENTALS	3
MTH 116	MATHEMATICAL APPLICATIONS	3
WKO 110	NCCER CORE	3
ETC 108	MOTOR CONTROLS I	3
INT 184	INTRODUCTION TO PROGRAMMABLE LOGIC CONTROLLERS	3
AUT 117	AC/DC MACHINES	3
ELT 118	COMMERCIAL/INDUSTRIAL WIRING	3
ELT 221	ELECTRONICS FOR ELECTRICIANS	3
ELT 192	PRACTICUM/INTERNSHIP/CO-OP	1
ENG 101	ENGLISH COMPOSITION I	3
ELM 214	PUMPS AND PIPING SYSTEMS	3
	ILT 108/IST 120	3
ILT 214	CONTROL AND TROUBLESHOOTING FLOW, LEVEL, TEMPERATURE, PRESSURE AND LEVEL PROCESSES	3
<b>Sub-Total Credits</b>		<b>46</b>
Total credits for degree:		47

### Short-Term Certificate #1 (IS1)

Hamilton & Sumiton Campuses

Program: [Industrial Electrical Technology \(IST\)](#)

Type: Short-Term Certificate

### Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

### Core Courses

Item #	Title	Credits
ETC 101	DC FUNDAMENTALS	3
ETC 102	AC FUNDAMENTALS	3
ETC 107	ELECTRICAL BLUEPRINT READING I	3
ETC 104	DIGITAL FUNDAMENTALS	3
WKO 110	NCCER CORE	3
<b>Sub-Total Credits</b>		<b>15</b>

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Total credits for degree:

16

### Short-Term Certificate #2 (IS2)

Hamilton & Sumiton Campuses

Program: [Industrial Electrical Technology \(IST\)](#)

Type: Short-Term Certificate

### Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

### Core Courses

Item #	Title	Credits
ETC 108	MOTOR CONTROLS I	3
INT 184	INTRODUCTION TO PROGRAMMABLE LOGIC CONTROLLERS	3
AUT 117	AC/DC MACHINES	3
ELT 118	COMMERCIAL/INDUSTRIAL WIRING	3
ELT 221	ELECTRONICS FOR ELECTRICIANS	3
ELT 192	PRACTICUM/INTERNSHIP/CO-OP	1
<b>Sub-Total Credits</b>		<b>16</b>
Total credits for degree:		17

# Office Administration and Technology (OAT) Program

Sumiton Campus & Online

The purpose of this program is to prepare students with the knowledge and skills for entry into a variety of positions in today's fastpaced, business office environment. Office and Administrative Support Supervisors and Managers plan or supervise support staff to ensure that they can work efficiently. After allocating work assignments and issuing deadlines, office and administrative support supervisors and managers oversee the work to ensure that it is proceeding on schedule and meeting established quality standards. (Occupational Outlook Handbook)

Office Administration and Technology (OAT) Degrees and Certificates

## Associate In Applied Science Degree (OAT)

Sumiton Campus & Online

Program: [Office Administration and Technology \(OAT\)](#)

Type: AAS Degree

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

## General Studies Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	Humanities/Fine Arts Elective	3
	MTH 116 or Higher	3
	Natural Science/Math Elective	3 - 4
	History or Social/Behavioral Science Elective	3
<b>Sub-Total Credits</b>		<b>15-16</b>

## Core Concentration Courses

OAD 101 will be required for students who do not have keyboarding fundamentals

Item #	Title	Credits
BUS 241	PRINCIPLES OF ACCOUNTING I	3
ETP 266	ENTREPRENEURIAL FINANCE	3
CIS 146	MICROCOMPUTER APPLICATIONS	3
CIS 286	COMPUTERIZED MANAGEMENT INFO SYSTEMS (EXCEL)	3
OAD 103	INTERMEDIATE KEYBOARDING	3
OAD 125	WORD PROCESSING	3
	OAD 131 or ENG 102	3
OAD 133	BUSINESS COMMUNICATIONS	3
OAD 138	RECORDS/INFORMATION MANAGEMENT	3
OAD 232	THE COMPUTERIZED OFFICE	3
MKT 223	CUSTOMER SERVICE	3
<b>Sub-Total Credits</b>		<b>33</b>

## SELECT ONE OF THESE THREE OPTIONS

### Office Administration Option (OFF)

Item #	Title	Credits
ACT 246	MICROCOMPUTER ACCOUNTING	3
ACT 249	PAYROLL ACCOUNTING	3
BUS 263	THE LEGAL AND SOCIAL ENVIRONMENT OF BUSINESS	3
BUS 189	HUMAN RELATIONSHIPS	3
OAD 246	OFFICE GRAPHICS AND PRESENTATIONS	3
SPH 106	FUNDAMENTALS OF ORAL COMMUNICATION	3
<b>Sub-Total Credits</b>		<b>18</b>



## Medical Office Administration Option (MOA)

Item #	Title	Credits
	ACT 246 or ACT 249	3
BUS 263	THE LEGAL AND SOCIAL ENVIRONMENT OF BUSINESS	3
OAD 211	MEDICAL TERMINOLOGY	3
OAD 214	MEDICAL OFFICE PROCEDURES	3
HIT 230	Medical Coding Systems I	3
HIT 231	Medical Coding Systems I Lab	1
HIT 232	Medical Coding Systems II	3
HIT 236	Medical Coding Systems II Lab	1
<b>Sub-Total Credits</b>		<b>20</b>

## Legal Office Administration Option (LOA)

Item #	Title	Credits
	ACT 246 or ACT 249	3
BUS 263	THE LEGAL AND SOCIAL ENVIRONMENT OF BUSINESS	3
OAD 200	MACHINE TRANSCRIPTION	3
OAD 202	LEGAL TRANSCRIPTION	3
BUS 189	HUMAN RELATIONSHIPS	3
BUS 276	HUMAN RESOURCE MANAGEMENT	3
<b>Sub-Total Credits</b>		<b>18</b>
Total credits for degree:		66

## Long-Term Certificate (OAT)

Sumiton Campus & Online

Program: [Office Administration and Technology \(OAT\)](#)

Type: Long-Term Certificate

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

## General Studies Courses

Item #	Title	Credits
CIS 146	MICROCOMPUTER APPLICATIONS	3
ENG 101	ENGLISH COMPOSITION I	3
	MTH 116 or Higher	3
	SPH 106 or SPH 107	3
<b>Sub-Total Credits</b>		<b>12</b>

## Field of Study Courses

ACT 141 Fundamentals of Accounting Principles is recommended for students who do not have a basic knowledge of accounting.

OAD 101 will be required for students who do not have keyboarding fundamentals

Item #	Title	Credits
	ACT 141 or BUS 241	3
MKT 223	CUSTOMER SERVICE	3
CIS 286	COMPUTERIZED MANAGEMENT INFO SYSTEMS (EXCEL)	3
OAD 103	INTERMEDIATE KEYBOARDING	3
OAD 125	WORD PROCESSING	3
BUS 215/OAD 133	BUSINESS COMMUNICATION	3
OAD 138	RECORDS/INFORMATION MANAGEMENT	3
OAD 232	THE COMPUTERIZED OFFICE	3
	<b>Sub-Total Credits</b>	<b>24</b>

## Field of Study Electives

Select 9 credit hours from the following offerings

Item #	Title	Credits
ACT 246	MICROCOMPUTER ACCOUNTING	3
ACT 249	PAYROLL ACCOUNTING	3
BUS 189	HUMAN RELATIONSHIPS	3
BUS 263	THE LEGAL AND SOCIAL ENVIRONMENT OF BUSINESS	3
BUS 276	HUMAN RESOURCE MANAGEMENT	3
ETP 266	ENTREPRENEURIAL FINANCE	3
	OAD 131 or ENG 102	3
OAD 200	MACHINE TRANSCRIPTION	3
OAD 202	LEGAL TRANSCRIPTION	3
OAD 203	LEGAL OFFICE PROCEDURES	3
OAD 211	MEDICAL TERMINOLOGY	3
OAD 212	MEDICAL TRANSCRIPTION	3
OAD 214	MEDICAL OFFICE PROCEDURES	3
OAD 246	OFFICE GRAPHICS AND PRESENTATIONS	3
	<b>Sub-Total Credits</b>	<b>9</b>
	Total credits for degree:	46

### Short-Term Legal Certificate (LOA)

Sumiton Campus & Online

Program: [Office Administration and Technology \(OAT\)](#)

Type: Short-Term Certificate

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
	<b>Sub-Total Credits</b>	<b>1</b>

## Field of Study Courses

OAD 101 will be required for students who do not have keyboarding fundamentals.

Item #	Title	Credits
BUS 263	THE LEGAL AND SOCIAL ENVIRONMENT OF BUSINESS	3
OAD 103	INTERMEDIATE KEYBOARDING	3
OAD 125	WORD PROCESSING	3
	OAD 131 or ENG 102	3
ENG 101	ENGLISH COMPOSITION I	3
OAD 138	RECORDS/INFORMATION MANAGEMENT	3
OAD 200	MACHINE TRANSCRIPTION	3
OAD 202	LEGAL TRANSCRIPTION	3
BUS 189	HUMAN RELATIONSHIPS	3
CIS 146	MICROCOMPUTER APPLICATIONS	3
	<b>Sub-Total Credits</b>	<b>30</b>
	Total credits for degree:	31

### Short-Term Medical Certificate (MOA)

Sumiton Campus & Online

Program: [Office Administration and Technology \(OAT\)](#)

Type: Short-Term Certificate

### Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
	<b>Sub-Total Credits</b>	<b>1</b>

## Field of Study Courses

OAD 101 will be required for students who do not have keyboarding fundamentals

Choose either OAD 131 OR ENG 101

Item #	Title	Credits
OAD 103	INTERMEDIATE KEYBOARDING	3
OAD 125	WORD PROCESSING	3
OAD 138	RECORDS/INFORMATION MANAGEMENT	3
OAD 211	MEDICAL TERMINOLOGY	3
CIS 146	MICROCOMPUTER APPLICATIONS	3
HIT 230	Medical Coding Systems I	3
HIT 231	Medical Coding Systems I Lab	1
HIT 232	Medical Coding Systems II	3
HIT 236	Medical Coding Systems II Lab	1
BUS 189	HUMAN RELATIONSHIPS	3
	<b>Sub-Total Credits</b>	<b>26</b>
	Total credits for degree:	27

# Salon and Spa Management (SAL) Program

Hamilton & Sumiton Campuses

The Salon and Spa Management program prepares cosmetologists, hairstylists, and other personal grooming specialists to manage beauty parlors, shops, and full-service or specialized salons and prepares for licensure as professional salon owners and operators. Includes instruction in cosmetic services marketing and retailing; advertising and promotion; salon management; the cosmetic and salon supply industries; hiring, supervision, and labor relations; applicable business and professional laws and regulations; professional standards and image; and customer service.

## Salon and Spa Management (SAL) Degrees and Certificates

### Associate In Applied Science Degree (SM3) - INSTRUCTOR TRAINING OPTION

Hamilton & Sumiton Campuses

Program: [Salon and Spa Management \(SAL\)](#)

Type: AAS Degree

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

## Field of Study Courses

Item #	Title	Credits
SAL 133	SALON MANAGEMENT TECHNOLOGY	3
SAL 201	ENTREPRENEURSHIP FOR SALON AND SPA MANAGEMENT	3
CIT 211	TEACHING AND CURRICULUM DEVELOPMENT	3
CIT 212	TEACHER MENTORSHIP	3
CIT 213	LESSON PLAN DEVELOPMENT	3
CIT 214	LESSON PLAN METHODS AND DEVELOPMENT	3
CIT 221	LESSON PLAN IMPLEMENTATION	3
CIT 222	INSTRUCTIONAL MATERIALS AND METHODS	3
CIT 223	INSTRUCTIONAL MATERIALS AND METHODS APPLICATIONS	3
COS 119	BUSINESS OF COSMETOLOGY	3
COS 123	COSMETOLOGY SALON PRACTICES	3
COS 167	STATE BOARD REVIEW	3
COS 190	INTERNSHIP IN COSMETOLOGY	3
COS 191	CO-OP	3
EMS 103	FIRST AID-CPR and AED	1
<b>Sub-Total Credits</b>		<b>43</b>

## General Education Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	Humanities/Fine Arts Elective	3
	MTH 116 or Higher	3
	Natural Science/Math Elective	3 - 4
	History or Social/Behavioral Science Elective	3
	SPH 106/107 or CIS 146	3
<b>Sub-Total Credits</b>		<b>18-19</b>
Total credits for degree:		62-63

### Salon & Spa Management - Barbering (SM2)

Hamilton & Sumiton Campuses

The Salon and Spa Management program prepares Cosmetologists, Cosmetology Instructors, Barbers, Estheticians, Nail Technicians, and other personal grooming specialists to manage, operate, and if desired become entrepreneurs of their own full-service salons and spas. Prepares students for the Alabama Board of Cosmetology and Barbering Stateboard licensure for each discipline area. Includes instruction in cosmetic services, marketing, advertisement, retail, salon management/operation such as hiring, supervision, labor relations, professional laws and regulations, professional standards and image, and customer services, the cosmetic and salon supply industries.

**Program:** [Salon and Spa Management \(SAL\)](#)

**Type:** AAS Degree

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

## Core Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	Humanities/Fine Arts Elective	3
	MTH 116 or Higher	3
	Natural Science/Math Elective	3 - 4
	History or Social/Behavioral Science Elective	3
<b>Sub-Total Credits</b>		<b>15-16</b>

## Field of Study Courses

Item #	Title	Credits
SAL 133	SALON MANAGEMENT TECHNOLOGY	3
SAL 201	ENTREPRENEURSHIP FOR SALON AND SPA MANAGEMENT	3
BAR 108	INTRODUCTION TO BARBERING	3
BAR 111	INTRODUCTION TO BARBERING LAB	3
BAR 112	SCIENCE OF BARBERING	3
BAR 113	FUNDAMENTALS OF BARBERING APPLICATIONS	3
BAR 143	STATE BOARD REVIEW	3
<b>Sub-Total Credits</b>		<b>21</b>

## Electives - Choose 9 Courses (27 Credit Hours)

Item #	Title	Credits
BAR 109	BACTERIOLOGY AND SANITATION	3
BAR 110	ORIENTATION TO BARBERING	3
BAR 114	BARBER-STYLING LAB	3
BAR 115	CUTTING AND STYLING TECHNIQUES	3
BAR 120	PROPERTIES OF CHEMISTRY	3
BAR 121	CHEMICAL HAIR PROCESSING	3
BAR 122	HAIR COLORING CHEMISTRY	3
BAR 124	HAIR COLORING METHODOLOGY LAB	3
BAR 130	MARKETING AND BUSINESS MANAGEMENT	3
BAR 132	STYLING AND DESIGN	3
BAR 133	STYLING AND MANAGEMENT	3
BAR 140	PRACTICUM	2
<b>Sub-Total Credits</b>		<b>27</b>
Total credits for degree:		62-63

## Salon and Spa Management (SM1)

Hamilton & Sumiton Campuses

The Salon and Spa Management program prepares Cosmetologists, Cosmetology Instructors, Barbers, Estheticians, Nail Technicians, and other personal grooming specialists to manage, operate, and if desired become entrepreneurs of their own full-service salons and spas. Prepares students for the Alabama Board of Cosmetology and Barbering Stateboard licensure for each discipline area. Includes instruction in cosmetic services, marketing, advertisement, retail, salon management/operation such as hiring, supervision, labor relations, professional laws and regulations, professional standards, and image, and customer services, the cosmetic and salon supply industries.

These options include: Option 1 - Cosmetology, Option 2 - Esthetics, Option 3 - Nail Technology

Program: [Salon and Spa Management \(SAL\)](#)

Type: AAS Degree

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

## General Education

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	Humanities/Fine Arts Elective	3
	MTH 116 or Higher	3
	Natural Science/Math Elective	3 - 4
	History or Social/Behavioral Science Elective	3
<b>Sub-Total Credits</b>		<b>15-16</b>

## Field of Study Courses

Item #	Title	Credits
SAL 133	SALON MANAGEMENT TECHNOLOGY	3
SAL 201	ENTREPRENEURSHIP FOR SALON AND SPA MANAGEMENT	3
COS 111	INTRODUCTION TO COSMETOLOGY	3
COS 117	BASIC SPA TECHNIQUES	3
COS 118	BASIC SPA TECHNIQUES LAB	3
COS 119	BUSINESS OF COSMETOLOGY	3
COS 125	CAREER AND PERSONAL DEVELOPMENT	3
<b>Sub-Total Credits</b>		<b>21</b>

## CHOOSE ONE OPTION

### Cosmetology Option

Item #	Title	Credits
COS 112	INTRODUCTION TO COSMETOLOGY LAB	3
COS 113	THEORY OF CHEMICAL SERVICES	3
COS 114	CHEMICAL SERVICES LAB	3
COS 115	HAIR COLORING THEORY	3
COS 116	HAIR COLORING LAB	3
COS 123	COSMETOLOGY SALON PRACTICES	3
COS 137	HAIR SHAPING AND DESIGN THEORY	3
COS 145/COS 190/COS 191	COS 145/COS 190/COS 191	3
COS 167	STATE BOARD REVIEW	3
<b>Sub-Total Credits</b>		<b>27</b>

## Esthetics Option

Item #	Title	Credits
COS 127	ESTHETICS THEORY	3
COS 134	ADVANCED ESTHETICS	3
COS 135	ADVANCED ESTHETICS APPLICATION	3
COS 163	FACIAL TREATMENTS	3
COS 164	FACIAL MACHINE	3
COS 165/COS 190/COS 191	COS 165/COS 190/COS 191	3
COS 166	SKIN CARE BACTERIOLOGY AND SANITATION	3
COS 167	STATE BOARD REVIEW	3
COS 169	SKIN FUNCTIONS	3
	<b>Sub-Total Credits</b>	<b>27</b>

## Nail Technology Option

Item #	Title	Credits
COS 142	APPLIED CHEMISTRY FOR COSMETOLOGY LAB	3
COS 148	NAIL CARE THEORY	3
COS 149	NAIL ART THEORY	3
COS 152	NAIL CARE APPLICATIONS	3
COS 153	NAIL ART	3
COS 154	NAIL ART APPLICATIONS	3
COS 158	EMPLOYABILITY SKILLS	3
COS 166/COS 190/COS 191	COS 166/COS 190/COS 191	3
COS 167	STATE BOARD REVIEW	3
	<b>Sub-Total Credits</b>	<b>27</b>
	Total credits for degree:	64-65

## Cosmetology Short Term Certificate

Hamilton & Sumiton Campuses

Cosmetology is a program that generally prepares individuals to cut, trim, and style scalp, facial, and body hair; apply cosmetic preparations; perform manicures and pedicures; massage the head and extremities; and prepare for practice as licensed cosmetologists in specialized or full-service salons. Includes instruction in hair cutting and styling, manicuring, pedicuring, facial treatments, shampooing, chemical applications esthetics, shop management, sanitation and safety, customer service, and applicable professional and labor laws and regulations.

Program: [Salon and Spa Management \(SAL\)](#)

Type: Short-Term Certificate

Item #	Title	Credits
COS 112	INTRODUCTION TO COSMETOLOGY LAB	3
COS 113	THEORY OF CHEMICAL SERVICES	3
COS 114	CHEMICAL SERVICES LAB	3
COS 115	HAIR COLORING THEORY	3
COS 116	HAIR COLORING LAB	3
COS 123	COSMETOLOGY SALON PRACTICES	3
COS 137	HAIR SHAPING AND DESIGN THEORY	3
	<b>Sub-Total Credits</b>	<b>21</b>

## CHOOSE ONE

Item #	Title	Credits
COS 145	HAIR SHAPING LAB	3
COS 190	INTERNSHIP IN COSMETOLOGY	3
COS 191	CO-OP	3
	<b>Sub-Total Credits</b>	<b>3</b>

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Total credits for degree:

24

### Esthetics Short Term Certificate

Hamilton & Sumiton Campuses

Esthetics is to prepare students with all of the fundamentals of skin care, facials, facial massages, hair removal, spa body basics, business aspects product knowledge, and effective retailing. Is an advanced study of anatomy and physiology relating to skin care, cosmetic chemistry, histology of the skin, and massage and facial treatments. Graduates of this program will have the knowledge and skills to pass the State Board exam to become a licensed Esthetician and obtain employment in the Salon & Spa industry.

Program: [Salon and Spa Management \(SAL\)](#)

Type: Short-Term Certificate

Item #	Title	Credits
COS 127	ESTHETICS THEORY	3
COS 134	ADVANCED ESTHETICS	3
COS 135	ADVANCED ESTHETICS APPLICATION	3
COS 163	FACIAL TREATMENTS	3
COS 164	FACIAL MACHINE	3
COS 166	SKIN CARE BACTERIOLOGY AND SANITATION	3
COS 167	STATE BOARD REVIEW	3
COS 169	SKIN FUNCTIONS	3
	<b>Sub-Total Credits</b>	<b>24</b>

### CHOOSE ONE

Item #	Title	Credits
COS 165	RELATED SUBJECTS ESTHETICIANS	3
COS 190	INTERNSHIP IN COSMETOLOGY	3
COS 191	CO-OP	3
	<b>Sub-Total Credits</b>	<b>3</b>
	Total credits for degree:	27

### Nail Technology Short Term Certificate

Hamilton & Sumiton Campuses

Nail Technology focuses on all aspects of nail care. Topics include salon conduct, professional ethics, sanitation, nail structure, manicuring, pedicuring, nail disorders, and anatomy and physiology of the arm and hand. Upon completion, the student should be able to demonstrate professional conduct, recognize nail disorders and diseases, and identify the procedures for sanitation and nail care services.

Program: [Salon and Spa Management \(SAL\)](#)

Type: Short-Term Certificate

Item #	Title	Credits
COS 142	APPLIED CHEMISTRY FOR COSMETOLOGY LAB	3
COS 148	NAIL CARE THEORY	3
COS 149	NAIL ART THEORY	3
COS 152	NAIL CARE APPLICATIONS	3
COS 153	NAIL ART	3
COS 154	NAIL ART APPLICATIONS	3
COS 158	EMPLOYABILITY SKILLS	3
COS 167	STATE BOARD REVIEW	3
	<b>Sub-Total Credits</b>	<b>24</b>



## CHOOSE ONE

Item #	Title	Credits
COS 166	SKIN CARE BACTERIOLOGY AND SANITATION	3
COS 190	INTERNSHIP IN COSMETOLOGY	3
COS 191	CO-OP	3
	<b>Sub-Total Credits</b>	<b>3</b>
	Total credits for degree:	27

# Truck Driver Training (TRK) Program

Sumiton Campus

The truck driver training program provides basic entry-level driving skills relating to the safe operation techniques of commercial motor vehicles and other related regulations. Upon successful completion of the program, the student may be able to obtain a Commercial Driver's License (CDL) necessary to operate a tractor-trailer unit. Students should also be conversant with the rules and regulations pertaining to the trucking industry once the program is completed.

(Occupational Outlook Handbook)

NOTE: Check with an advisor for program and course location by campus.

## Truck Driver Training (TRK) Degrees and Certificates

### Short-Term Certificate (TRK)

Sumiton Campus

Program: [Truck Driver Training \(TRK\)](#)

Type: Short-Term Certificate

### Field of Study Courses

Item #	Title	Credits
TRK 111	BASIC VEHICLE OPERATION	4
TRK 112	SAFE OPERATING PRACTICES	3
TRK 113	NON-VEHICLE ACTIVITIES	2
	<b>Sub-Total Credits</b>	<b>9</b>
	Total credits for degree:	9

# Vehicle Technology and Repair (VTR) Program

Hamilton & Sumiton Campuses (Auto Body Repair & Diesel Technician Options Sumiton Campus)

## Vehicle Technology and Repair (VTR) Degrees and Certificates

### Associate in Applied Science Degree (VTR)

Hamilton & Sumiton Campuses

Program: [Vehicle Technology and Repair \(VTR\)](#)

Type: AAS Degree

### Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

### Field of Study Courses

Item #	Title	Credits
VTR 112	ELECTRICAL FUNDAMENTALS	3
VTR 133	HEATING AND AIR CONDITIONING	3
<b>Sub-Total Credits</b>		<b>6</b>

### AUTOMOTIVE SERVICE EXCELLENCE OPTION (VT1)

Select one of VT1, VT2, or VT3 options.

Item #	Title	Credits
ASE/AUM 101	FUNDAMENTALS OF AUTOMOTIVE TECHNOLOGY	3
ASE/AUM 121	BRAKING SYSTEMS	3
ASE/AUM 122	SUSPENSION AND STEERING	3
ASE/AUM 124	AUTOMOTIVE ENGINES	3
ASE/AUM 130	DRIVE TRAIN & AXLES	3
ASE/AUM 162	ELECTRICAL AND ELECTRONIC SYSTEMS	3
ASE/AUM 212	ADVANCED ELECTRICAL & ELECTRONIC SYSTEMS	3
ASE/AUM 220	ADVANCED AUTOMOTIVE ENGINES	3
ASE/AUM 224	MANUAL TRANSMISSION & TRANSAXLE	3
ASE/AUM 230	AUTO TRANSMISSION & TRANSAXLE	3
ASE/AUM 239	ENGINE PERFORMANCE	3
ASE/AUM 244	ENGINE PERFORMANCE AND DIAGNOSTICS	3
ASE/AUM 246	AUTOMOTIVE EMISSIONS	3
ASE/AUM 281	SPECIAL TOPICS	3
<b>Sub-Total Credits</b>		<b>42</b>

## AUTO BODY REPAIR OPTION (VT2)

Sumiton Campus

Item #	Title	Credits
ABR 111	NON-STRUCTURAL REPAIR	3
ABR 114	NON-STRUCTURAL PANEL REPLACEMENT	3
ABR 122	SURFACE PREPARATION	3
ABR 123	PAINT APPLICATION & EQUIPMENT	3
ABR 151	SAFETY & ENVIRONMENTAL PRACTICES	3
ABR 154	AUTOMOTIVE GLASS & TRIM	3
ABR 156	AUTOMOTIVE CUTTING & WELDING	3
ABR 157	AUTOMOTIVE PLASTIC REPAIRS	3
ABR 213	AUTOMOTIVE STRUCTURAL ANALYSIS	3
ABR 214	AUTOMOTIVE STRUCTURAL REPAIR	3
ABR 223	AUTOMOTIVE MECHANICAL COMPONENTS	3
ABR 255	STEERING AND SUSPENSION	3
ABR 265	PAINT DEFECTS & FINAL DETAIL	3
ABR 267	SHOP MANAGEMENT	3
ABR 281	SPECIAL TOPICS IN AUTO BODY	3
<b>Sub-Total Credits</b>		<b>45</b>

## DIESEL TECHNICIAN OPTION (VT3)

Sumiton Campus

Item #	Title	Credits
DEM 104	BASIC ENGINES	3
DEM 105	PREVENTIVE MAINTENANCE	3
DEM 111	EQUIPMENT SAFETY AND MECHANICAL FUNDAMENTALS	3
DEM 117	DIESEL AND GAS TUNE-UP	3
DEM 122	HEAVY VEHICLE BRAKES	3
DEM 123	PNEUMATIC AND HYDRAULICS	3
DEM 124	ELECTRONIC ENGINE SYSTEMS	3
DEM 125	HEAVY VEHICLE DRIVE TRAINS	3
DEM 126	ADVANCED ENGINE ANALYSIS	3
DEM 127	FUEL SYSTEMS	3
DEM 134	COMPUTER CONTROLLED ENGINE AND POWER TRAIN SYSTEMS	3
DEM 135	HEAVY VEHICLE STEERING AND SUSPENSION	3
DEM 180	SPECIAL PROJECTS IN COMMERCIAL VEHICLES	3
DEM 191	Special Projects in Diesel Mechanics	3
<b>Sub-Total Credits</b>		<b>42</b>

## General Studies Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	MTH 116 or Higher	3
	Natural Science/Math Elective	3 - 4
	History or Social/Behavioral Science Elective	3
	Humanities/Fine Arts Elective	3
<b>Sub-Total Credits</b>		<b>15-16</b>
Total credits for degree:		64-68

## Long-Term Certificate (VTR)

Hamilton & Sumiton Campuses

Program: [Vehicle Technology and Repair \(VTR\)](#)

Type: Long-Term Certificate

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

## Field of Study Courses

Item #	Title	Credits
VTR 112	ELECTRICAL FUNDAMENTALS	3
VTR 133	HEATING AND AIR CONDITIONING	3
<b>Sub-Total Credits</b>		<b>6</b>

Choose one of the following options (VT1, VT2, or VT3)

### AUTOMOTIVE SERVICE EXCELLENCE OPTION (VT1)

Choose nine courses (27 credits required).

Item #	Title	Credits
ASE/AUM 101	FUNDAMENTALS OF AUTOMOTIVE TECHNOLOGY	3
ASE/AUM 121	BRAKING SYSTEMS	3
ASE/AUM 122	SUSPENSION AND STEERING	3
ASE/AUM 124	AUTOMOTIVE ENGINES	3
ASE/AUM 130	DRIVE TRAIN & AXLES	3
ASE/AUM 162	ELECTRICAL AND ELECTRONIC SYSTEMS	3
ASE/AUM 212	ADVANCED ELECTRICAL & ELECTRONIC SYSTEMS	3
ASE/AUM 220	ADVANCED AUTOMOTIVE ENGINES	3
ASE/AUM 224	MANUAL TRANSMISSION & TRANSAXLE	3
ASE/AUM 230	AUTO TRANSMISSION & TRANSAXLE	3
ASE/AUM 239	ENGINE PERFORMANCE	3
ASE/AUM 244	ENGINE PERFORMANCE AND DIAGNOSTICS	3
ASE/AUM 246	AUTOMOTIVE EMISSIONS	3
ASE/AUM 281	SPECIAL TOPICS	3
<b>Sub-Total Credits</b>		<b>27</b>

## AUTO BODY REPAIR OPTION (VT2)

Choose nine courses (27 credits required)

Item #	Title	Credits
ABR 111	NON-STRUCTURAL REPAIR	3
ABR 114	NON-STRUCTURAL PANEL REPLACEMENT	3
ABR 122	SURFACE PREPARATION	3
ABR 123	PAINT APPLICATION & EQUIPMENT	3
ABR 151	SAFETY & ENVIRONMENTAL PRACTICES	3
ABR 154	AUTOMOTIVE GLASS & TRIM	3
ABR 156	AUTOMOTIVE CUTTING & WELDING	3
ABR 157	AUTOMOTIVE PLASTIC REPAIRS	3
ABR 213	AUTOMOTIVE STRUCTURAL ANALYSIS	3
ABR 214	AUTOMOTIVE STRUCTURAL REPAIR	3
ABR 223	AUTOMOTIVE MECHANICAL COMPONENTS	3
ABR 255	STEERING AND SUSPENSION	3
ABR 265	PAINT DEFECTS & FINAL DETAIL	3
ABR 267	SHOP MANAGEMENT	3
ABR 281	SPECIAL TOPICS IN AUTO BODY	3
<b>Sub-Total Credits</b>		<b>27</b>

## DIESEL TECHNICIAN OPTION (VT3)

Choose nine courses (27 credits required)

Item #	Title	Credits
DEM 104	BASIC ENGINES	3
DEM 105	PREVENTIVE MAINTENANCE	3
DEM 111	EQUIPMENT SAFETY AND MECHANICAL FUNDAMENTALS	3
DEM 117	DIESEL AND GAS TUNE-UP	3
DEM 122	HEAVY VEHICLE BRAKES	3
DEM 123	PNEUMATIC AND HYDRAULICS	3
DEM 124	ELECTRONIC ENGINE SYSTEMS	3
DEM 125	HEAVY VEHICLE DRIVE TRAINS	3
DEM 126	ADVANCED ENGINE ANALYSIS	3
DEM 127	FUEL SYSTEMS	3
DEM 134	COMPUTER CONTROLLED ENGINE AND POWER TRAIN SYSTEMS	3
DEM 180	SPECIAL PROJECTS IN COMMERCIAL VEHICLES	3
DEM 191	Special Projects in Diesel Mechanics	3
<b>Sub-Total Credits</b>		<b>27</b>

## General Studies Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	MTH 116 or Higher	3
<b>Sub-Total Credits</b>		<b>6</b>
Total credits for degree:		40

### Short-Term Certificate (VTR)

Hamilton & Sumiton Campuses

Program: [Vehicle Technology and Repair \(VTR\)](#)

Type: Short-Term Certificate

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
	<b>Sub-Total Credits</b>	<b>1</b>

## AUTOMOTIVE SERVICE EXCELLENCE OPTION (V12)

Select one of these options.

Item #	Title	Credits
VTR 112	ELECTRICAL FUNDAMENTALS	3
	ASE Elective	3
	ASE Elective	3
VTR 133	HEATING AND AIR CONDITIONING	3
	<b>Sub-Total Credits</b>	<b>12</b>

## AUTO BODY REPAIR OPTION (V2A) - PAINT AND REFINISHING

Select one of these options.

Item #	Title	Credits
ABR 122	SURFACE PREPARATION	3
ABR 123	PAINT APPLICATION & EQUIPMENT	3
ABR 265	PAINT DEFECTS & FINAL DETAIL	3
ABR 267	SHOP MANAGEMENT	3
	<b>Sub-Total Credits</b>	<b>12</b>

## AUTO BODY REPAIR OPTION (V2B) - NON-STRUCTURAL REPAIR

Select one of these options.

Item #	Title	Credits
ABR 111	NON-STRUCTURAL REPAIR	3
ABR 114	NON-STRUCTURAL PANEL REPLACEMENT	3
ABR 154	AUTOMOTIVE GLASS & TRIM	3
ABR 157	AUTOMOTIVE PLASTIC REPAIRS	3
	<b>Sub-Total Credits</b>	<b>12</b>

## AUTO BODY REPAIR OPTION (V2C) - STRUCTURAL REPAIRS

Select one of these options.

Item #	Title	Credits
ABR 156	AUTOMOTIVE CUTTING & WELDING	3
ABR 213	AUTOMOTIVE STRUCTURAL ANALYSIS	3
ABR 214	AUTOMOTIVE STRUCTURAL REPAIR	3
ABR 281	SPECIAL TOPICS IN AUTO BODY	3
	<b>Sub-Total Credits</b>	<b>12</b>

## AUTOBODY REPAIR OPTION (V2D) - MECHANICAL REPAIR

Select one of these options.

Item #	Title	Credits
VTR 112	ELECTRICAL FUNDAMENTALS	3
VTR 133	HEATING AND AIR CONDITIONING	3
ABR 223	AUTOMOTIVE MECHANICAL COMPONENTS	3
ABR 255	STEERING AND SUSPENSION	3
	<b>Sub-Total Credits</b>	<b>12</b>

## DIESEL TECHNICIAN OPTION (V3D)

Select one of these options.

Item #	Title	Credits
VTR 112	ELECTRICAL FUNDAMENTALS	3
	DEM Elective	3
	DEM Elective	3
VTR 133	HEATING AND AIR CONDITIONING	3
	<b>Sub-Total Credits</b>	<b>12</b>
	Total credits for degree:	13



# Welding Technology (WDT) Program

Fayette, Hamilton, & Jasper Campuses

Welding is a fabrication process that joins materials. The process occurs by melting work pieces and adding a filler to form a pool of molten material that cools to become a strong joint. Beville State's welding curriculum provides students with the opportunity to acquire the skills, knowledge, and experience necessary for a career in this rapidly growing field. Emphasis on the technical aspects of welding are included in the course and specialized classes include blueprint reading, fabrication, welding inspection and testing, and cutting. Students may become AWS certified welders upon program completion.

Occupational Outlook Handbook)

Effective July 1, 2011 colleges are required to disclose certain information for any Title IV eligible program that prepares students for gainful employment (as defined by the US Department of Education) in a recognized occupation. The Welding Technology program has been identified as a Gainful Employment program.

Disclosure information about the programs can be found at [www.bscc.edu/WeldingGainful](http://www.bscc.edu/WeldingGainful) & [www.bscc.edu/WeldingSTCGainful](http://www.bscc.edu/WeldingSTCGainful)

**NOTE:** Check with an advisor for program and course location by campus.

## Welding Technology (WDT) Degrees and Certificates

### Welding Technology (WDT) Long-Term Certificate

Fayette, Hamilton, & Sumiton Campuses

**Program:** [Welding Technology \(WDT\)](#)

**Type:** Long-Term Certificate

### Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
	<b>Sub-Total Credits</b>	<b>1</b>

### Field of Study Courses

Item #	Title	Credits
WDT 108	SMAW FILLET/OFC	3
WDT 109	SMAW FILLET/PAC/CAC	3
WDT 119	GAS METAL ARC/FLUX CORED ARC WELDING	3
WDT 120	SHIELDED METAL ARC WELDING GROOVE	3
WDT 122	SMAW FILLET/OFC LAB	3
WDT 123	SMAW FILLET/PAC/CAC LAB	3
WDT 124	GAS METAL ARC/FLUX CORED ARC WELDING LAB	3
WDT 125	SHIELDED METAL ARC WELDING GROOVE LAB	3
WDT 157	CONSUMABLE WELDING PROCESSES	3
WDT 218	CERTIFICATION	3
WDT 229	BOILER TUBE	3
WDT 257	SMAW CARBON PIPE LAB	3
WDT 258	CERTIFICATION LAB	3
	<b>Sub-Total Credits</b>	<b>39</b>

### Additional Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	MTH 116 or Higher	3
WDT 110	INDUSTRIAL BLUE PRINT READING	3
	<b>Sub-Total Credits</b>	<b>9</b>
	Total credits for degree:	49

### GMAW/FCAW Welding Certificate (WD2)

Fayette, Hamilton, & Sumiton Campuses

Visit the [Welding Technology \(WDT\) homepage](#) for program description.

**Program:** [Welding Technology \(WDT\)](#)

Type: Short-Term Certificate

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

## Field of Study Courses

Item #	Title	Credits
WDT 119	GAS METAL ARC/FLUX CORED ARC WELDING	3
WDT 120	SHIELDED METAL ARC WELDING GROOVE	3
WDT 124	GAS METAL ARC/FLUX CORED ARC WELDING LAB	3
WDT 125	SHIELDED METAL ARC WELDING GROOVE LAB	3
WDT 157	CONSUMABLE WELDING PROCESSES	3
<b>Sub-Total Credits</b>		<b>15</b>
Total credits for degree:		16

### Pipe Welding Certificate (WD3)

Fayette, Hamilton, & Sumiton Campuses

Visit the [Welding Technology \(WDT\) homepage](#) for program description.

Program: [Welding Technology \(WDT\)](#)

Type: Short-Term Certificate

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

## Field of Study Courses

Item #	Title	Credits
WDT 218	CERTIFICATION	3
WDT 229	BOILER TUBE	3
WDT 257	SMAW CARBON PIPE LAB	3
WDT 258	CERTIFICATION LAB	3
<b>Sub-Total Credits</b>		<b>12</b>
Total credits for degree:		13

### SMAW Welding Technology (WDT) Short-Term Certificate (WD1)

Fayette, Hamilton, & Sumiton Campuses

Visit the [Welding Technology \(WDT\) homepage](#) for program description.

Program: [Welding Technology \(WDT\)](#)

Type: Short-Term Certificate

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1
<b>Sub-Total Credits</b>		<b>1</b>

## Field of Study Courses

Item #	Title	Credits
WDT 108	SMAW FILLET/OFC	3
WDT 109	SMAW FILLET/PAC/CAC	3
WDT 122	SMAW FILLET/OFC LAB	3
WDT 123	SMAW FILLET/PAC/CAC LAB	3
	<b>Sub-Total Credits</b>	<b>12</b>
	Total credits for degree:	13