

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.

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.
2. 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 Bevill 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
Sub-Total Credits		1

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
Sub-Total Credits		39

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
Sub-Total Credits		12

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
Sub-Total Credits		15-16
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
	Sub-Total Credits	1

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
	Sub-Total Credits	33

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
	Sub-Total Credits	9

General Studies Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	MTH 116 or Higher	3
	Sub-Total Credits	6
	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
Sub-Total Credits		1

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
Sub-Total Credits		15-16

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
Sub-Total Credits		42

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
	Sub-Total Credits	12
	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
	Sub-Total Credits	13
	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
	Sub-Total Credits	16
	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
	Sub-Total Credits	16
	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
	Sub-Total Credits	19
	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
	Sub-Total Credits	1

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
	Sub-Total Credits	37

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
	Sub-Total Credits	22
	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
	Sub-Total Credits	1

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
	Sub-Total Credits	31

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
	Sub-Total Credits	12
	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
	Sub-Total Credits	1

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
	Sub-Total Credits	25
	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
Sub-Total Credits		1

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
Sub-Total Credits		15

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
Sub-Total Credits		39

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
Sub-Total Credits		6

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
Sub-Total Credits		15

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
Sub-Total Credits		15

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
Sub-Total Credits		15

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
Sub-Total Credits		15

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
Sub-Total Credits		9

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
Sub-Total Credits		6
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
Sub-Total Credits		13
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
	Sub-Total Credits	1

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
	Sub-Total Credits	21
	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
	Sub-Total Credits	1

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
	Sub-Total Credits	9
	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
	Sub-Total Credits	1

Field of Study Courses

Item #	Title	Credits
CIS 249	MICROCOMPUTER OPERATING SYSTEMS	3
CIS 268	SOFTWARE SUPPORT	3
CIS 269	HARDWARE SUPPORT	3
Sub-Total Credits		9
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
Sub-Total Credits		1

Field of Study Courses

Item #	Title	Credits
CIS 245	CYBER DEFENSE	3
CIS 246	ETHICAL HACKING	3
CIS 282	COMPUTER FORENSICS	3
Sub-Total Credits		9
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
Sub-Total Credits		1

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
Sub-Total Credits		24
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
Sub-Total Credits		1

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
Sub-Total Credits		15

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 AUTHORIZING 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
Sub-Total Credits		9
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
Sub-Total Credits		1

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
	Sub-Total Credits	9
	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
Sub-Total Credits		39

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
Sub-Total Credits		6

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
Sub-Total Credits		16-17
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
	Sub-Total Credits	36

General Studies/ORI Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	MTH 116 or Higher	3
ORI 107	STUDENT SURVIVAL SKILLS	1
	Sub-Total Credits	7
	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
	Sub-Total Credits	22
	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
	Sub-Total Credits	19
	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
	Sub-Total Credits	16
	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
	Sub-Total Credits	22
	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
Sub-Total Credits		1

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
Sub-Total Credits		48

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
Sub-Total Credits		15-16
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
	Sub-Total Credits	1

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
	Sub-Total Credits	48
	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
	Sub-Total Credits	1

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
	Sub-Total Credits	18
	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
	Sub-Total Credits	15
	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
	Sub-Total Credits	1

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
	Sub-Total Credits	48

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
	Sub-Total Credits	15-16
	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
	Sub-Total Credits	1

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
	Sub-Total Credits	45

General Studies Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	MTH 116 or Higher	3
	Sub-Total Credits	6
	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
	Sub-Total Credits	1

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
	Sub-Total Credits	24
	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
	Sub-Total Credits	1

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
	Sub-Total Credits	24
	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
	Sub-Total Credits	1

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
	Sub-Total Credits	21-22

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
	Sub-Total Credits	21

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
	Sub-Total Credits	24

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
Sub-Total Credits		24
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
Sub-Total Credits		25
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
Sub-Total Credits		16
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
	Sub-Total Credits	16
	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
	Sub-Total Credits	25
	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.

(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
Sub-Total Credits		1

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
Sub-Total Credits		52

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
Sub-Total Credits		15-16

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
Sub-Total Credits		1

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
Sub-Total Credits		46
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
Sub-Total Credits		1

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
Sub-Total Credits		15

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
Sub-Total Credits		1

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
Sub-Total Credits		16
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
Sub-Total Credits		1

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
Sub-Total Credits		15-16

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
Sub-Total Credits		33

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
Sub-Total Credits		18

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
	Sub-Total Credits	20

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
	Sub-Total Credits	18
	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
	Sub-Total Credits	1

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
	Sub-Total Credits	12

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
	Sub-Total Credits	24

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
	Sub-Total Credits	9
	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
	Sub-Total Credits	1

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
	Sub-Total Credits	30
	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
	Sub-Total Credits	1

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
	Sub-Total Credits	26
	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
Sub-Total Credits		1

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
Sub-Total Credits		43

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
Sub-Total Credits		18-19
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
Sub-Total Credits		1

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
Sub-Total Credits		15-16

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
Sub-Total Credits		21

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
Sub-Total Credits		27
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
Sub-Total Credits		1

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
Sub-Total Credits		15-16

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
Sub-Total Credits		21

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
Sub-Total Credits		27

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
	Sub-Total Credits	27

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
	Sub-Total Credits	27
	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
	Sub-Total Credits	21

CHOOSE ONE

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

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
	Sub-Total Credits	24

CHOOSE ONE

Item #	Title	Credits
COS 165	RELATED SUBJECTS ESTHETICIANS	3
COS 190	INTERNSHIP IN COSMETOLOGY	3
COS 191	CO-OP	3
	Sub-Total Credits	3
	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
	Sub-Total Credits	24

CHOOSE ONE

Item #	Title	Credits
COS 166	SKIN CARE BACTERIOLOGY AND SANITATION	3
COS 190	INTERNSHIP IN COSMETOLOGY	3
COS 191	CO-OP	3
	Sub-Total Credits	3
	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
	Sub-Total Credits	9
	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
Sub-Total Credits		1

Field of Study Courses

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

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
Sub-Total Credits		42

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
Sub-Total Credits		45

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
Sub-Total Credits		42

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
Sub-Total Credits		15-16
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
	Sub-Total Credits	1

Field of Study Courses

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

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
	Sub-Total Credits	27

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
Sub-Total Credits		27

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
Sub-Total Credits		27

General Studies Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	MTH 116 or Higher	3
Sub-Total Credits		6
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
	Sub-Total Credits	1

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
	Sub-Total Credits	12

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
	Sub-Total Credits	12

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
	Sub-Total Credits	12

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
	Sub-Total Credits	12

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
	Sub-Total Credits	12

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
	Sub-Total Credits	12
	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 & 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
	Sub-Total Credits	1

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
	Sub-Total Credits	39

Additional Courses

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION I	3
	MTH 116 or Higher	3
WDT 110	INDUSTRIAL BLUE PRINT READING	3
	Sub-Total Credits	9
	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
Sub-Total Credits		1

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
Sub-Total Credits		15
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
Sub-Total Credits		1

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
Sub-Total Credits		12
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
Sub-Total Credits		1

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
	Sub-Total Credits	12
	Total credits for degree:	13