



CAREER TECHNICAL Certificate Quick Reference

Requirements:

- ✓ Junior or senior
- ✓ At least 3.0 weighted high school GPA *or recommendation of principal*
- ✓ Complete SCC paper application for high school students
- ✓ Textbooks and other required materials must be purchased by the student (or high school)
- ✓ Student / parent are responsible for transportation to / from seat-based classes

When a student completes ALL courses in a pathway, he or she may take other classes required for the diploma or degree.

Students may be in a College Transfer Pathway AND Career Technical Certificate, or two Career Technical Certificates.

Courses may be taken in any order, except courses with required pre-requisites.

No course substitutions are allowed.

To maintain eligibility for continued enrollment, a student must: (1) continue to make progress toward high school graduation and (2) maintain a 2.0 GPA in college coursework.

The SCC schedule is posted online. To see if a course will be offered online and/or seat-based (including day/time/location) please go to [www.southwesterncc.edu](http://www.southwesterncc.edu), then click on CLASS SCHEDULE.

Classes in the following tables are in alphabetical order. Please refer to the catalog for course sequence.

Accounting Certificate

Courses	Pre-req
ACC 120 Principles of Financial Accounting	
ACC 121 Principles of Managerial Accounting	ACC 120
ACC 129 Individual Income Taxes	
ACC 150 Accounting Software Applications	ACC 120
CIS 110 Introduction to Computers	

Air Conditioning, Heating, & Refrigeration Technology Certificate

Basic AHR classes are offered in the fall.

Courses	Pre-req
AHR 110 Introduction to Refrigeration	
AHR 112 Heating Technology	
AHR 113 Comfort Cooling	
AHR 120 HVACR Maintenance	
ELC 111 Introduction to Electricity	

Automotive Systems Technology Certificate

Classes are taught on the SCC Jackson Campus, Franklin High School and Swain High School. SCC Automotive Department will lend high school students a textbook to use for these classes. Students may be required to purchase access codes for online course materials.

Courses	Pre-req
TRN 110 Introduction to Automotive	
TRN 120/120A Basic Transportation Electricity and Lab	
AUT 141 Suspension & Steering Systems	
AUT 151/151A Brake Systems & Lab	
AUT 181 Engine Performance I	TRN 110 or 120 or AUT 141 or 151

Business Administration Certificate

Courses	Pre-req
ACC 120 Principles of Financial Accounting	
BUS 110 Introduction to Business	
BUS 137 Principles of Management	
CIS 110 Introduction to Computers	
MKT 120 Principles of Marketing	

Carpentry Certificate

Courses	Pre-req	Seat-based only
CAR 111 Carpentry I		Offered at Swain High School, not on SCC Campuses.
CAR 112 Carpentry II	CAR 111	

Computer Information Technology Certificate

Courses	Pre-req
CIS 110 Introduction to Computers	
CIS 115 Introduction to Programming & Logic	Satisfactory Test Scores
DBA 110 Database Concepts	
NET 110 Networking Concepts	
NOS 110 Operating System Concepts	
SEC 110 Security Concepts	

Cosmetology Certificate – *This certificate does NOT meet the 1500 licensure hour requirement to sit for the state board exam. Students must complete additional courses, after high school graduation, before taking the state exam.*

SCC Cosmetology Department will lend high school students a textbook and “working kit.” Students must purchase (or already have) black “scrubs,” black socks and black, closed-toed shoes to wear to class every day. Students must also purchase malpractice insurance for \$17 before they may work on clients in the lab.

Courses	Pre-req	Seat-based
COS 111 Cosmetology Concepts I		New students must start the cosmetology program in the fall. Classes meet M-Th 12-4 p.m., Founders Hall – Jackson Campus.
COS 112 Salon I		
COS 113 Cosmetology Concepts II	COS 111	
COS 114 Salon II	COS 112	
COS 115 Cosmetology Concepts III	COS 111	
COS 116 Salon III	COS 112	
COS 117 Cosmetology Concepts IV	COS 111	

Criminal Justice Certificate

Courses	Pre-req
CJC 111 Introduction to Criminal Justice	
CJC 112 Criminology	
CJC 113 Juvenile Justice	
CJC 131 Criminal Law	
CJC 212 Ethics and Community Relations	
CJC 231 Constitutional Law	

Culinary Arts Certificate

Classes are taught on the SCC Jackson Campus. \*Select classes taught at Franklin High School, Swain High School and Smoky Mountain High School.

Courses	Co-req
CUL 110/110A Sanitation & Safety / Lab	
CUL 112 Nutrition for Foodservice	
CUL 135/135A Food & Beverage Service / Lab	
CUL 140 Culinary Skills I	CUL 110
CUL 160 Baking I	CUL 110

Electronics Engineering Technology Certificate

Courses	Pre-req
ATR 112 Intro to Automation	
ELN 131 Analog Electronics I	ELC 131
ELC 131 Circuit Analysis I	
ELN 133 Digital Electronics	

Early Childhood Education Certificate

Courses	Pre-req
EDU 119 Intro to Early Childhood Education	
EDU 144 Child Development I	Satisfactory Test Scores
EDU 145 Child Development II ( <i>highly recommend students take EDU 144 before 145</i> )	Satisfactory Test Scores
EDU 146 Child Guidance	Satisfactory Test Scores
EDU 151 Creative Activities	Satisfactory Test Scores

Emergency Medical Science Certificate

Courses	Pre-req
EMS 110 EMT Basic * Fees apply. Requires background check & drug screening	Must be 18 or turn 18 within 1 year of completing the course to take state exam.
MED 121 Medical Terminology I	
MED 122 Medical Terminology II	MED 121

Emergency Medical Science - Therapeutic & Diagnostic Diploma

Courses	Pre-req / Co-req
ACA 111 College Student Success	
BIO 168 Anatomy & Physiology I	Satisfactory Test Scores
BIO 169 Anatomy & Physiology II	BIO 168
EMS 110 EMT Basic * Required background check & drug screening.	ACA 111 Must be 18 or turn 18 within 1 year of completing the course to take state exam.
EMS 120 Advanced EMT	Pre-req EMS 110 / Co-req EMS 121
EMS 121 AEMT Clinical Practicum	Co-req EMS 120
ENG 111 Writing & Inquiry	Satisfactory Test Scores
ENG 114 Professional Research & Reporting	ENG 111
HSC 110 Orientation to Health Careers	
HSC 120 CPR	
HUM 115 Critical Thinking	
MAT 143 Quantitative Literacy	Satisfactory Test Scores
MED 121 Medical Terminology I	Satisfactory Test Scores
MED 122 Medical Terminology II	MED 121
PSY 150 General Psychology	Satisfactory Test Scores

Information Technology

Mobile Applications Certificate Courses	Pre-req
CIS 115 Intro to Programming & Logic	Satisfactory Test Scores
CSC 151 JAVA Programming	CIS 115
CSC 251 Advanced JAVA Programming	CSC 151
CTI 150 Mobile Computing Devices	
WEB 151 Mobile Application Development I	
WEB 251 Mobile Application Development II	WEB 151

Software & Web Development Certificate Courses	Pre-req
CIS 115 Intro to Programming & Logic	Satisfactory Test Scores
CSC 139 Visual BASIC Programming	CIS 115
CSC 151 JAVA Programming	CIS 115
CSC 251 Advanced JAVA Programming	CSC 151
DBA 120 Database Programming I	

Network Management - CISCO Certificate Courses	Pre-req
NET 125 Networking Basics	
NET 126 Routing Basics	NET 125
NET 225 Routing & Switching I	NET 126
NET 226 Routing & Switching II	NET 225

Network Management - Operating System Certificate Courses	Pre-req
NOS 110 Operating Systems Concepts	
NOS 120 Linux/UNIX Single User	NOS 110 or CET 211
NOS 130 Windows Single User	NOS 110 or CET 211
NOS 230 Windows Administration I	

Network Management - Support & Services Certificate Courses	Pre-req
CTS 115 Information Systems Business Concepts	
CTS 120 Hardware/Software Support	
CTS 155 Technical Support Functions	
CTS 250 User Support & Software Evaluation	NOS 130 & CTS 120

Mechatronics Basic Certificate

Courses	Pre-req
ATR 112 Intro to Automation	
ELC 128 Intro to PLC	ELC 131
ELC 131 Circuit Analysis	
ISC 112 Industrial Safety	
MEC 130 Mechanisms	

All classes taught in Bryson City at the Swain Business & Industry Training Center.

Medical Assisting Certificate

Courses	Pre-req
MED 110 Orientation to Medical Assisting	
MED 118 Medical Law & Ethics	
MED 121 Medical Terminology I	
MED 122 Medical Terminology II	MED 121
MED 130 Administrative Office Procedures I	
MED 131 Administrative Office Procedures II	MED 130

Medical Assisting Therapeutic and Diagnostic Diploma

Courses	Pre-req
ACA 111 College Student Success	
BIO 163 Basic Anatomy & Physiology	Satisfactory Test Scores
ENG 111 Writing and Inquiry	Satisfactory Test Scores
HSC 110 Orientation to Health Careers	
MED 110 Orientation to Medical Assisting	
MED 118 Medical Law & Ethics	
MED 121 Medical Terminology I	
MED 122 Medical Terminology II	MED 121
MED 130 Admin. Office Procedures I	
MED 131 Admin. Office Procedures II	MED 130
MED 140 Exam Room Procedures I	
MED 150 Laboratory Procedures I	
MED 260 MED Clinical Practicum	
MED 262 Clinical Perspectives	
MED 276 Patient Education	
PSY 150 General Psychology	Satisfactory Test Scores