

**Blue Ridge Community College - Technical Programs: Curriculum**

**2 Year Degrees**

Accounting  
Associate Degree Nursing  
Automotive Systems Technology -  
Biotechnology  
Brewing, Distillation and Fermentation-Brewing Equipment, Packaging & Maintenance  
Business Admin conc Marketing & Ret -  
Business Administration  
Business Administration, Electronic Commerce  
Collision Repair and Refinishing Technology  
Community Spanish Interpreter  
Computer Information Technology  
Computer Programming  
Computer-Integrated Machining  
Criminal Justice  
Criminal Justice Technology/Latent Evidence  
Early Childhood Associate  
Electronics Engineering Technology  
Emergency Medical Science  
Emergency Medical Science Bridge Program  
Environmental Science Technology -  
Film and Video Production Technology  
Fire Protection technology  
Horticulture Technology  
Interpreter Education  
Machining Technology  
Mechanical Engineering Technology  
Mechatronics  
Networking Technology  
Office Administration  
Office Administration- Virtual Office Assistance  
Simulation and Game Development  
Surgical Technology  
Web Technologies -  
Welding Technology

**Diploma Programs**

Air Conditioning Heating and Refrigeration  
Alternative Transportation Technology Diploma  
Automotive Systems - Collision Repair and Refinishing  
Automotive Systems Technology - Diploma  
Brewing, Distillation and Fermentation-Brewing Equipment, Packaging & Maintenance Diploma  
Business Admin conc Marketing & Ret-Dip  
Collision Repair and Refinishing Diploma  
Computer Information Technology - Diploma  
Computer Programming - Diploma  
Computer-Integrated Machining Diploma  
Criminal Justice- Diploma

Electronics Engineering Diploma  
 Emergency Medical Science Diploma  
 Environmental Science Technology - Diploma  
 Fire Protection Technology- Diploma  
 Health Science: Therapeutic and Diagnostic Services Emergency Medical Science Diploma  
 Horticulture Technology - Diploma  
 Machining Technology - Diploma  
 Mechanical Engineering Technology - Diploma  
 Mechatronics - Diploma  
 Networking Technology - Diploma  
 Office Administration - Medical Office Diploma  
 Office Administration - Diploma  
 Office Administration/Virtual Office Assistance Diploma  
 Surgical Technology Diploma  
 Web Technologies - Diploma  
 Welding Technology - Diploma

### Certificate Programs

AC, Htg & Refrigeration-Basic Technician Cert  
 AC, Htg and Refrig-Intermediate Technician Cert  
 Alternative Transportation Technology Certificate - Advanced Electric Drive  
 Alternative Transportation Technology Certificate - Alternative Fuels  
 Automotive Systems - Chassis Technician  
 Automotive Systems - Collision Repair and Refinishing  
 Automotive Systems - Electrical/Electronic Certificate  
 Automotive Systems - Engine Performance  
 Automotive Systems - Driveline Performance Certification  
 Automotive Systems- Mobile Equipment Technician  
 Automotive Systems - Under Car Certificate  
 Basic Accounting - Certificate  
 Business Administration -Certificate Basic  
 Brewing, Distillationand Fermentation-Certificate Equipment, Packaging & Maintenance Cert  
 Brewing, Distillationand Fermentation-Certificate Brewing Basics  
 Brewing, Distillationand Fermentation-Certificate Winemaking Basics  
 Brewing, Distillationand Fermentation-Certificate Distillation  
 Collision Repair and Refinishing Certificate - Insurance Estimating  
 Collision Repair and Refinishing Certificate - Non Structural  
 Collision Repair and Refinishing Certificate - Structural  
 Computer Programming - Certificate  
 Computer-Integrated Machining Certificate - CNC Turning Operator  
 Computer-Integrated Machining Certificate - CNC Milling Operator  
 Computer-Integrated Machining Certificate - Machinist - Entry  
 Computer-Integrated Machining Certificate - Engine Machine Shop  
 Criminal Justice Certificate  
 Early Childhood Preschool Certificate  
 Early Childhood Administration Certificate  
 Early Childhood-Infant, Toddler Specialist Certificate  
 Early Childhood-School Age Certificate  
 Early Childhood- Administration

Electronics Engineering - Advanced Certificate  
 Electronics Engineering - Basic Certificate  
 Electronics Engineering - Industrial Certificate  
 Environmental Science Technology - Certificate  
 Environmental Science Technology-Sustainability Technology Certificate  
 Emergency Medical Science - Certificate  
 Horticulture Technology-Certificate Landscape  
 Horticulture Technology - Landscape Design Certificate  
 Horticulture Technology - Landscape Management Cert  
 Horticulture Technology - Ornamental Plant Production Cert  
 Horticulture Technology - Turfgrass Management Certificate  
 Horticulture Technology -Certificate Small Fruits/Specialty Crops  
 Mechanical Engineering Technology - Certificate - Pre-Engineering  
 Mechatronics Certificate - Basic Technician  
 Mechatronics Certificate - Maintenance Technician  
 Office Administration - Basic Office Certificate  
 Office Administration - Basic Office Bookkeeping  
 Office Administration - Medical Office Certificate  
 Office Administration/Virtual Office Assistance Certification  
 Phlebotomy - Certificate  
 Plumbing - Certificate  
 Simulation and Game Development - Certificate  
 Simulation and Game Development - Certificate Three-Dimensional Printing  
 Web Technologies - Certificate  
 Web Technologies - Basic  
 Web Technologies- Graphics  
 Web Technologies - Programming  
 Welding Technology - Basic Technician Certificate  
 Welding Technology - Intermediate Technician Certificate  
 Welding Technology- Certificate- Industrial Plate Welding  
 Welding Technology - Certificate-Industrial Pipe Welding  
 Welding Technology- Certificate- Manufacturer Welding  
 Welding Technology- Certificate-Welding Frabrication  
 Welding Technology-Certificate-Artist Blacksmith  
 Welding Technology-Certificate-Blacksmith/Welder Basic  
 Welding Technology-Certificate-Blacksmith-Fabrication

### Back-To-Work Certificate Programs

ACT Career Readiness Certificate  
 Adobe Acrobat Certification  
 Adobe Certified Expert (ACE) in Design Certification  
 Adobe Dreamweaver Certification  
 Adobe Illustrator Certification  
 Adobe InDesign Certification  
 Adobe Photoshop Certification  
 ASE - A4 Steering & Suspension Certification  
 ASE - A5 Brakes Certification  
 ASE - A6 Electrical & Electronics Certification  
 ASE - A7 Heating & Air Conditioning Certification

ASE - A8 Engine Performance Certification  
 ASE - A9 Light Duty Diesel Certification  
 ASE - B2 Painting & Refinishing Certification  
 ASE - B3 Non Structural Analysis & Damage Repair Certification  
 ASE - EPA Section 609 Certification  
 ASE - F1 Alternative Fuels  
 ASE - T2 Diesel Engine Certification  
 ASE - X1 Exhaust Systems Certification  
 AutoCad 2013 Certified User  
 AWS - Gas Metal Arc Welding (MIG)  
 AWS - Gas Tungsten Arc Welding (TIG)  
 AWS - Manual Welding (Stick)  
 Craft Beer Academy - Cicerone & Basic Brewing Certification from Institute of Brewing & Distillation  
 Cisco - Certified Entry Networking Technician (CCENT)  
 Cisco - Certified Network Associate (CCNA)  
 CompTIA Network +  
 CompTIA Security +  
 IBD – General Brewing Certification  
 MSSC - Certified Logistics Associate (CLA)  
 MSSC - Certified Logistics Technician (CLT)  
 MSSC - Certified Production Associate (CPA)  
 MSSC - Certified Production Technician (CPT)  
 NIMS - Machining Level I

#### **Continuing Education - Credentialed Programs (Short-Term)**

Basic Law Enforcement Training (BLET)  
 Nursing Assistant I, II, III  
 BRCC Culinary Institute: ServSafe Food Safety Manager  
 ServSafe Training

#### **Continuing Education - Short-Term**

BRCC Culinary Institute: Commercial Stocks, Soups & Sauces  
 BRCC Culinary Institute: Introduction to Catering  
 BRCC Culinary Institute: Product ID from Market to Kitchen  
 BRCC Culinary Institute: Professional Baking & Pastry  
 BRCC Culinary Institute: Purchasing for Food Service  
 BRCC Culinary Institute: Professional Kitchen Skills  
 BRCC Culinary Institute: The Cold Kitchen  
 BRCC Culinary Institute: Introduction to Wine Industry and Production  
 BRCC Culinary Institute: Restaurant Server Training