

### **CAPABILITY STATEMENT**

Blue Ridge Community and Technical College provides workforce training customized for business and industry that supports the enhancement of workplace skills and fosters economic development in the region. Faculty and staff develop and deliver training that is directly aligned with the economic and workforce demands of the region.

### **CAPABILITIES**

Blue Ridge Community and Technical College has the capability to design curriculum to meet the changing needs of business and industry. By customizing training for each partner, Blue Ridge Community and Technical College effectively delivers relevant high quality customized training. College credit is awarded to all participants who successfully complete a training course.

Blue Ridge Community and Technical College is continuously evolving to meet the demands of business and industry and works to increase its capabilities as technology progresses and partnerships grow. The following is an outline of current capabilities by category of training:

#### **Information Technology**

- Computer Applications Training
- Computer Network Engineering
- Cyber Security

#### **Management and Leadership**

- Comprehensive Management Training
- Leadership, Coaching, and Mentoring
- Performance Management Training
- Policy and Procedure Development
- Succession Planning

#### **Technical Training**

- Automation
- Lean Manufacturing
- Machining and Fabrication
- Mechanical, Component, and Electrical Training
- Plastics Engineering Technology Training
- Quality Assurance Lab Technician
- Robotics
- Welding

#### **Safety Training**

- Electrical
- Environmental
- General Safety
- OSHA Certifications

### **SAMPLE COURSE TOPICS** *(continued on back)*

Blue Ridge CTC can analyze your individual training needs and design a training program that may include other course topics not listed. We value the opportunity to customize training and obtain certifications to deliver new types of training. If you don't see the topic you're looking for, just ask and we can move towards creating a training plan customized for you.

#### **Information Technology Training**

- Adobe Animate, InDesign, and Illustrator
- Cisco CCNA, CCNP, CCDA
- Computer Networking (CCENT)
- Document Processing
- HTML
- Information Literacy
- Intro to SharePoint
- MS Office Products
- Office Administration
- Programing in Python
- Web Design

#### **Management and Leadership Training**

- Building and Leading Teams
- Creating and Maintaining a Performance Management Culture
- Developing, Coaching, Mentoring & Retaining Talent
- Emotional Intelligence
- Frontline Supervision
- Generations in the Workplace
- Harassment and Diversity
- Managing Conflict and Difficult Situations and Behaviors
- Managing Personalities & Communication Styles
- Performance Management
- Problem Solving, Brainstorming, and Critical Thinking
- Supporting, Leading and Sustaining Change
- Time Management
- Unconscious Bias

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#### **Contact Kim Moss for Additional Information:**

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#### **For a full listing of all programs and courses offered**

at Blue Ridge Community and Technical College,

please visit our website: [www.blueridgectc.edu](http://www.blueridgectc.edu)

## **SAMPLE COURSE TOPICS** *(continued)*

### **Advanced Manufacturing Training**

- 3D Printing
- ABB Mechanical Maintenance
- ABB Robot Studio I
- ABB Robotics Programming I: US420
- ABB Robotics Programming II: US425
- Area Scanners: SICK
- Barcode Systems: Cognex
- Basic Electrical Training
- Belt Drives
- Blueprint Reading
- CAD: 2D Modeling
- CAD: 3D Modeling
- Chain Drives
- CNC: Computer Numerical Control
- CNC and Machining Work: Holding and Tooling
- CNC: Turning
- Component Training: Hand Tools and Fasteners
- Database Concepts
- Dimensional Measurement
- EMR: Emergency Medical Responder
- FEA Analysis
- Forklift Training
- Gear Drives
- Geometric Dimensioning and Tolerancing
- GIS Mapping
- Grinding: Tooling
- Hand Tools
- Heat Treat Principles
- Hydraulics, Pneumatics, and Sensors
- Industrial Controls Mechanical Systems
- Inspection: Bore Gauges
- Inspection: Gauge Blocks
- Inspection: Height Gages
- Inspection: Surface Plates
- Inspection: Test Indicators
- Instrumentation: Flowmeters Electromagnetic, Coriolis, Differential Pressure, etc.
- Instrumentation: HART Protocol
- Instrumentation: Level Elements and Calibration-Tuning Fork, Static Pressure, Radar, Ultrasonic, Level Flex
- Instrumentation: Meters and Calibrators
- Instrumentation: Pressure Transmitters E+H, Emerson
- Instrumentation: Valves
- Instrumentation: Valves Calibration, Installation, Repair
- Key Fasteners
- Laser Shaft Alignment
- Light Curtain: SICK
- Lock Out Tag Out
- Machine Safety
- Machine Vision I & II: Cognex
- Machining and Fabrication
- Machining: Coolants and Oils
- Manufacturing Process and Quality Process Controls
- Material Properties
- Mechanical Fabrication
- Motor and Automation Controls
- Networking and Networking Performance and Security
- NFPA 70E Electrical Safety
- OSHA 10 and OSHA 30
- OSHA Confined Space Aid and Attendant
- OSHA Confined Space Rescue
- Paulson Online Training
- Plastics Engineering Blow Molding
- Plastics Engineering Injection Molding
- PLC Motor Control
- PLC Operation of Fluid Power Systems
- PLC Training: Allen Bradley, Siemens
- PLC Ethernet Communication
- Process Control
- Process Control: Loop Tuning
- Pump Operation and Rebuilding
- Relay Control
- RFID Operation and Programming
- Rigging: Various Types
- Robotics: ABB, Fanuc, Kuka Certifications
- Servo Drive: BOSCH, AB
- Structural Systems
- Surveying
- Systematic Trouble Shooting
- Tolerances
- Troubleshooting: Mechanical, Electric, & Mechatronic Systems
- Types of PPE
- V-Belt Drives
- Vibrational Analysis
- Welding: Fabrication
- Welding: MIG
- Welding: Stick
- Welding: TIG