

**Career & College Promise – Career Technical Education Pathways – Computer-Integrated Machining Diploma (D50210P)**

Blue Ridge Community College offers a number of Career Technical Education Pathways (CTE) as part of Career and College Promise. CTE Pathways allow high school students to earn tuition-free courses geared toward job credentials or to get a jump start on one-year or two-year program at Blue Ridge. While most CTE courses do not transfer, several of them will transfer to four-year schools with a “C” or higher grade. Transferable classes at Blue Ridge count as weighted credit at the high school.

Career and College Promise students may enroll in one of the four College Transfer Pathway and one CTE pathway or no more than two CTE pathways. Students may only enroll in the classes listed within their pathway. No course substitutions are allowed. Changing from one pathway to another is permitted with prior written approval from the high school Principal/Home School Administrator and the College. Students will need to submit a Special Permission Request form and documentation explaining the change.

*Instructions for students:* Below is the list of the classes allowed for your pathway. To determine when the classes are offered, locate the online curriculum course schedule at [www.blueridge.edu](http://www.blueridge.edu) Select “Academics” from the top menu, then “Course Schedules” from the drop-down options.

Because Blue Ridge classes are offered at multiple times, each course has a unique “Section Number.” The Section Number is the 3-digit number following the course prefix and number (i.e. PSY-150-001) and determines the day and time the class is offered. Online classes have a section number like 201, 202, etc... A legend is provided at the start of the schedule. Once you select your classes, please alert your advisor as to your decision.

**Tuition is free; however, students are responsible for fees, supplies, and textbooks.**

- ACA 115 Success and Study Skills (1 SHC)
- BPR 111 Print Reading (2 SHC)
- BPR 121 Blueprint Reading-Mech (2 SHC)
- DFT 154 Intro Solid Modeling (3 SHC)
- EGR 125 Appl Software for Tech (2 SHC)
- COM 120 Intro Intercultural Communication (3 SHC)
- ISC 112 Industrial Safety (2 SHC)
- MAC 112 Machining Technology II (6 SHC)
- MAC 121 Intro to CNC (2 SHC)
- MAC 122 CNC Turning (2 SHC)
- MAC 124 CNC Milling (2 SHC)
- MAC 141 Machining Applications I (4 SHC)
- MAC 151 Machining Calculations (2 SHC)
- MAT 110 Math Measure & Literacy (3 SHC)
- WBL 111 Work-Based Learning (1 SHC)

### **Computer-Integrated Machining – CNC Turning Operator Certificate (C50210TP)**

- BPR 111 Print Reading (2 SHC)
- MAC 112 Machining Technology II (6 SHC)
- MAC 121 Intro to CNC (2 SHC)
- MAC 122 CNC Turning (2 SHC)
- MAC 141 Machining Applications I (4 SHC)

**Total Semester Credit Hours in Program            16**

### **Computer-Integrated Machining – CNC Milling Operator Certificate (C50210MP)**

- BPR 111 Print Reading (2 SHC)
- MAC 112 Machining Technology II (6 SHC)
- MAC 121 Intro to CNC (2 SHC)
- MAC 124 CNC Milling (2 SHC)
- MAC 141 Machining Applications I (4 SHC)

**Total Semester Credit Hours in Program            16**

### **Computer-Integrated Machining – Machinist – Entry Certificate (C50210EP)**

- BPR 111 Print Reading (2 SHC)
- ISC 112 Industrial Safety (2 SHC)
- MAC 112 Machining Technology II (6 SHC)
- MAC 141 Machining Applications I (4 SHC)
- MAC 151 Machining Calculations (2 SHC)

**Total Semester Credit Hours in Program            16**

### **Computer-Integrated Machining – Manufacturing Technician Certificate (C50210FP)**

- ATR 112 Intro to Automation (3 SHC)
- BPR 111 Print Reading (2 SHC)
- BPR 121 Blueprint Reading-Mech (2 SHC)
- EGR 125 Appl Software for Tech (2 SHC)
- ISC 112 Industrial Safety (2 SHC)
- MAC 121 Intro to CNC (2 SHC)
- MAT 110 Math Measure & Literacy (3 SHC)

**Total Semester Credit Hours in Program            16**

### **Computer-Integrated Machining – Plastic Injection Molding Certificate (C50210PP)**

- ATR 112 Intro to Automation (3 SHC)
- BPR 111 Print Reading (2 SHC)
- ISC 112 Industrial Safety (2 SHC)

- PLA 110 Intro to Plastics (2 SHC)
- PLA 162 Plastics Manuf Processes (3 SHC)

**Total Semester Credit Hours in Program            12**