



Career & College Promise – Career Technical Education Pathways – Mechatronics Engineering Technology – Industrial Manufacturing Production Technician Apprenticeship Certificate (C40350AP)

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 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.

- EGR 115 Intro to Technology (3 SHC)
- EGR 115A Intro to Technology Lab (1 SHC)
- ISC 170 Problem Solving Skills (3 SHC)
- ISC 220 Lean Manufacturing (3 SHC)
- MAC 171 Measure/Material & Safety (1 SHC)
- MNT 110 Intro to Maint Procedures (2 SHC)

Total Semester Credit Hours in Program 13

Mechatronics Engineering Technology – Basic Certificate (C40350BP)

- ACA 115 Success and Study Skills (1 SHC)
- EGR 125 Appl Software for Tech (2 SHC)
- EGR 150 Introduction to Engineering (2 SHC)
- ELC 128 Intro to PLC (3 SHC)
- ELC 131 Circuit Analysis (4 SHC)
- ISC 112 Industrial Safety (2 SHC)

Total Semester Credit Hours in Program 14

Mechatronics Engineering Technology – Maintenance Certificate (C40350MP)

- ATR 112 Intro to Automation (3 SHC)
- EGR 125 Appl Software for Tech (2 SHC)
- ELC 117 Motors and Controls (4 SHC)
- ELC 128 Intro to PLC (3 SHC)
- ELC 131 Circuit Analysis (4 SHC)

Total Semester Credit Hours in Program 16