MECHATRONICS

Program Description
The mechatronics program is developed around the interface of mechanical and electrical systems frequently used in manufacturing. Other applied fields involve commercial and industrial companies that use automated mechanical and electrical systems to assemble, separate, monitor, and transfer product.

Through sequenced coursework, students learn how to integrate various types of electrical, pneumatic, and mechanical motors. Specifically, instruction focuses on the use of Program Logic Controller (PLC) programming and diagnostics. Students will also learn how to read and create schematics for mechanical-electrical component production and installation for real-world application.

Ultimately, students will build functioning interdependent PLC-driven systems using hydraulic, pneumatic, electrical, and motor controls. Using this combination of software and hardware culminates in the construction of a fully functioning assembly line trainer to help students develop the design, implementation, and troubleshooting skills required across various industries.

Contact Information
Office of Student Services
WCCC, Bishop B102
2508 Blichmann Avenue
970.255.2670

Programs of Study
Associates
• Mechatronics (AAS) (http://catalog.coloradomesa.edu/areas-study/mechatronics/mechatronics-aas)

Certificates
• Automation and Instrumentation, Mechatronics (Technical Certificate) (http://catalog.coloradomesa.edu/areas-study/mechatronics/auto-and-instrm-mechatronics-technical-certificate)