

# Mechatronics

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## Certificate

This program prepares graduates for entry-level positions that involve the operation and maintenance of electro-mechanical systems commonly found in automated manufacturing environments. Students will be prepared to work in the operations, installation, and maintenance of automated and robotically controlled systems. Systems-level analysis, assembly, and troubleshooting techniques are stressed with hands-on laboratory experiences to complements classroom-based instruction.

**Gainful Employment** - follow the link below for gainful employment information.

<https://www.mvcc.edu/institutional-effectiveness/gainful-employment/gainful-employment-disclosures.php>

### Total Credit Hours: 32

#### First Semester

ET105 Computer Cont Fund	2.0
ET127 Modern Industrial Practice	3.0
MA105 Technical Math 1	4.0
MT149 Pneumatic and Hydraulic System	3.0
ET101 Tech Electricity 1	3.0

#### Second Semester

ET102 Tech Electricity 2	3.0
ET104 Systems Diagrams	3.0
ET131 Elec Mach&Contr 1	4.0
ET251 Mechatronic Systems	3.0
MT139 Mechanical Systems	4.0