

Mechatronics

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

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|--------------------------------------|-----|
| 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

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|---------------------------|-----|
| 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 |