

Maintenance Technician / Mechatronics

Industrial Technologies Division

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Maintenance Technician / Mechatronics

Associate of Applied Science in Industrial Technology

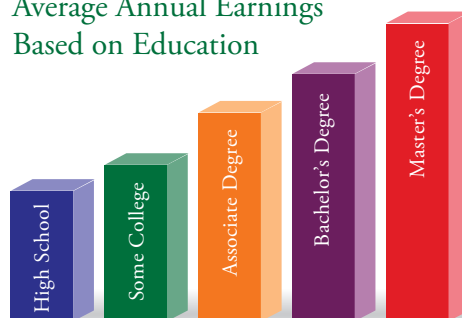
The industrial maintenance technician not only troubleshoots and repairs the most highly advanced industrial equipment, but is responsible for the layout and installation. This individual will be versed in electrical, hydraulics, pneumatics, pipefitting, welding, machine repair and installation as well as motor control systems, PLC control systems and instrumentation control networking.

Career Outlook

Employers trying to stay competitive with an international marketplace are hard pressed to find a multi-crafted maintenance employee who can accomplish a multitude of vocational qualities (electrician, plumber, pipefitter, hydraulics and pneumatics specialists, HVACR, machine set-up, machine installer, welder, systems troubleshooter and control systems programming). This program will provide those employers with such a skilled professional.

Education Pays

Average Annual Earnings
Based on Education



2013-2014

Based on data from the Bureau of Labor Statistics

Program Sequence

First Semester

| | | <i>Credits</i> |
|----------|--|----------------|
| ENG111 | Composition I | 3 |
| MET100 | Introduction to Engineering Technology | 2 |
| + IND120 | Industrial Electricity I | 3 |
| + IND140 | Principles of Machining | 3 |
| MTH109 | College Algebra | 3 |
| + IND134 | Industrial Fluid Power I | 3 |
| | | 17 |

Second Semester

| | | <i>Credits</i> |
|----------|---------------------------------|----------------|
| ENG112 | Composition II | 3 |
| + IND121 | Industrial Electricity II | 3 |
| + MET110 | Print Reading & Sketching | 3 |
| IND103 | Applied Geometry & Trigonometry | 3 |
| + IND234 | Industrial Fluid Power II | 3 |
| | Communications Elective | 3 |
| | | 18 |

Third Semester

| | | <i>Credits</i> |
|----------|--------------------------------|----------------|
| PHY101 | Principles of Physical Science | 4 |
| + IND133 | Applied Welding Techniques | 3 |
| + IND223 | Motors & Motor Controls | 3 |
| + PLC200 | Programmable Controller I | 3 |
| + IND131 | Industrial Pipefitting | 3 |
| | Humanities Elective | 3 |
| | | 19 |

Fourth Semester

| | | <i>Credits</i> |
|----------|------------------------------------|----------------|
| + IND221 | Instrumentation & Controls I | 3 |
| CAD111 | CAD I | 4 |
| + IND232 | Machine Repair | 3 |
| + EET289 | Systems Integration | 3 |
| | Social/Behavioral Science Elective | 3 |
| | | 16 |

Total Program Credit Hours **70**

+ Students must attain a minimum grade of "C" in all courses with a '+' to progress in the program and to graduate.

Course curriculum is subject to change. Please consult with an Academic Advisor for up-to-date information.

