

Industrial Maintenance/Mechanical, A.A.S.

Program Code

AAS-ADMA-INMA

CIP

15.0613

Type

A.A.S.

The Associate of Applied Science degree in Advanced Manufacturing with a concentration in Industrial Maintenance/Mechanical will prepare graduates for employment as an entry-level multi-craft technician in areas such as Mechanical, Electrical, HVAC and instrumentation.

GENERAL EDUCATION CORE REQUIREMENTS

| Item # | Title | Credits |
|---------|---|---------|
| ENG 101 | English Composition I | 3 |
| MTH 103 | Introduction to Technical Mathematics | 3 |
| | Humanities/Fine Arts Elective (Excluding Speech and Foreign Language) | 3 |
| | Social & Behavioral Science Electives | 3 |
| | Natural Science or MTH Elective | 3-4 |

ADVANCED MANUFACTURING CORE COURSE REQUIREMENTS

| Item # | Title | Credits |
|---------|---|---------|
| ADM 101 | Precision Measurement | 3 |
| ADM 104 | Introduction to Thermal/Electrical Principles | 3 |
| ADM 105 | Fluid Systems | 3 |
| ADM 106 | Quality Control Concepts | 3 |
| | ADM 107 OR ADM 108 | 3 |
| ADM 111 | Manufacturing Safety Practices | 3 |

BASIC ELECTRICITY COURSE REQUIREMENTS

| Item # | Title | Credits |
|---------|-----------------|---------|
| ELT 108 | DC Fundamentals | 3 |
| ELT 109 | AC Fundamentals | 3 |
| ELT 110 | Wiring Methods | 3 |
| ELT 117 | AC/DC Machines | 3 |

ELECTRO/MECHANICAL COURSE REQUIREMENTS

| Item # | Title | Credits |
|---------|---|---------|
| INT 117 | Principles of Industrial Mechanics | 3 |
| INT 127 | Principles of Industrial Pumps and Piping Systems | 3 |
| MTT 147 | Introduction to Machine Shop I | 3 |
| MTT 148 | Introduction to Machine Shop I Lab | 3 |
| MTT 149 | Introduction to Machine Shop II | 3 |
| MTT 150 | Introduction to Machine Shop II Lab | 3 |
| WDT 182 | Special Topics | 3 |

