

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
Total Credits		66-67