

# Industrial Maintenance/Additive Manufacturing

**Subject:** Advanced Manufacturing

**Program Code:**

AAS-ADMA-IMAM

**CIP:**

150613

**Type:** A.A.S.

## General Education Core Requirements

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
	MTH 103 or higher	3-4
ENG 101	English Composition I	3
	Humanities/Fine Arts Elective (Excluding Speech and Foreign Language)	3
	Social/Behavioral Science Electives (3 credits)	3
CHM 257	Introduction to Material Science	4

## Advanced Manufacturing Core Classes

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
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 108	Introduction to 3D Modeling	3
ADM 111	Manufacturing Safety Practices	3

# Additive Manufacturing Concentration Requirements

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ELT 108	DC Fundamentals	3
ELT 109	AC Fundamentals	3
ELT 110	Wiring Methods	3
ELT 117	AC/DC Machines	3
ELT 209	Motor Controls I	3
ELT 231	Introduction to Programmable Controllers	3
ILT 114	Instrumentation Operation and Calibration	3
ADM 112	Orientation to Additive Manufacturing	1
ADM 162	Additive Manufacturing Processes - Polymers	3
ADM 164	Additive Manufacturing Processes - Metals	3
ADM 261	Reverse Engineering	3
	<b>Total credits:</b>	<b>65-66</b>