

Aerospace Technology/Welding, A.A.S.

Program Code

AAS-ADMA-AERW

CIP

15.0613

Type

A.A.S.

The Associate of Applied Science degree in Advanced Manufacturing with a concentration in Aerospace Technology will prepare graduates for employment in aerospace and related industries through classroom and laboratory instruction in propulsion structure and assembly or welding.

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

AEROSPACE FUNDAMENTAL COURSE REQUIREMENTS

Item #	Title	Credits
MTT 121	Basic Blueprint Reading for Machinists	3
ARS 151	Welding Principles, Theory and Symbols	3
ARS 176	Electrical/Electronic Assembly	3
ARS 178	Aerospace Mechanical Assembly	3
ARS 278	Composite Materials Fabrication and Assembly	3
ARS 280	Surface Preparation and Coatings	3
ARS 282	Integrated Assembly Project	3

AEROSPACE/WELDING COURSE REQUIREMENTS

Item #	Title	Credits
ARS 153	Gas Tungsten Arc and Plasma Arc Welding	3
ARS 251	Specialized Welding Processes	3
ARS 253	Welding Certification Preparation	3
	Total Credits	63-64