

MANUFACTURING TECHNOLOGY

Associate in Applied Science A.A.S.: Option 2: Advanced Manufacturing Technology Degree - Metal Fabrication

This 61 credit-hour Advanced Manufacturing Technology degree is designed to prepare students for the modern manufacturing environment. This program will prepare students for employment with companies that have implemented team-oriented design, production, quality and maintenance systems within the manufacturing environment. American manufacturers are increasingly using high-tech equipment that involves multiple integrated systems. It is critical that these companies be able to recruit and employ individuals who know how to operate, troubleshoot and maintain this high-tech equipment.

This sequenced degree plan is one of four options that students may pursue to earn the Advanced Manufacturing Technology Associate in Applied Science (AAS) degree. While there are multiple specializations, this particular degree can be awarded only once.

FIRST SEMESTER:

Number	Course Title	Credits	Course Category
MFT 102	Introduction to Manufacturing and Safety	4	Program Requirement
MFT 104	Quality and Measurement	2	Program Requirement
MFT 108	Manufacturing Processes	3	Program Requirement
MFT 109	Introduction to Manufacturing Maintenance	2	Program Requirement
MTH 097	Basic Technical Mathematics ¹	3	AAS General Education

SECOND SEMESTER:

Number	Course Title	Credits	Course Category
	AAS General Education elective*	6	AAS General Education
MFT 119	Manufacturing Internship	2	Program Requirement
MFT 134	Print Reading for Industry	3	Program Requirement
WLD 110	Welding I	3	Program Requirement
WLD 210	Welding II	3	Program Requirement

THIRD SEMESTER:

Number	Course Title	Credits	Course Category
ENG 101	Composition I	3	AAS General Education
WLD 211	Welding III	4	Program Requirement
WLD 212	Welding IV	4	Program Requirement
WLD 240	Cutting Processes	3	Program Requirement

FOURTH SEMESTER:

Number	Course Title	Credits	Course Category
	AAS General Education electives*	6	AAS General Education
WLD 225	Advanced Blueprint Reading	2	Program Requirement
WLD 245	Welding Fabrication I	4	Program Requirement
WLD 250	Welding Fabrication II	4	Program Requirement

¹ Students may take MTH 097, MTH 101, MTH 103, or higher.

+ At least one of the AAS General Education electives must meet the World Cultures and Diversity graduation requirement. See full list of [AAS General Education Electives](#).