

## 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 <sup>1</sup> .....	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 .....	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

<sup>1</sup> 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](#).