

Advanced Manufacturing - Associate of Applied Science Degree

This program is designed for students who wish to pursue careers in automotive-related and other advanced manufacturing companies. The AAS in Advanced Manufacturing provides students with a comprehensive knowledge of advanced manufacturing production processes, equipment, design, and operation. Given the large manufacturing base in this region and advances in industrial machinery and operations, persons with technical skills in this discipline are in high demand. Upon attaining work experience, individuals with this degree are better equipped to move into maintenance technician and/or team leader positions. The Associate of Applied Science Degree requires successful completion of 60 credit hours with a minimum grade point average of 2.0 and a "C" or above in English Composition I, English Composition II, and the math requirement.

General Education Core Requirements :

EN 12003 English Composition I*	3
EN 12013 English Composition II*	3
CS 11033 Computer Applications	3
MA 14113 Math Apps for Manufacturing* OR MA 14043 College Algebra*	3
SP 22063 Human Relations OR SP 12103 Intro. to Speech Comm.	3
Total Gen Ed Credit Hours	15

AAS Advanced Manufacturing Minimum Scores Required			
	Math	English	Reading
ACT	15	15	15
Accuplacer	47A 37E	67	53

Division Requirements:

CE 11003 Workplace Essentials	3
EL 15003 Basic Electricity I	3
ES 15003 Industrial Safety Administration	3
ME 15013 Basic Hydraulics/Pneumatics	3
ME 15023 Mechanical Drives and Bearings	3
MG 21003 Principles of Supervision	3
Total Division Credit Hours	18

Curriculum Summary:

General Education	15
Division Requirements:	18
Major Requirements:	18
Approved Electives:	9

Major Requirements:

MT 15003 Introduction to Manufacturing	3
MT 15013 Design for Manufacturing	3
MT 15023 Manufacturing Production Processes	3
MT 15033 Manufacturing Power and Equipment Systems	3
MT 25003 Manufacturing Materials	3
MT 25023 Manufacturing Equipment Maintenance and Operation	3
Total Major Credit Hours	18

Total Degree Credit Hours: 60

Approved Electives**	9
Total Degree Credit Hours	60

** Approved electives may also be chosen from courses with the following prefixes: AC, AV, BU, CE, CS, CT, EL, ES, HV, IS, ME, MG, MT, and WE as approved by the Vice President for Economic Development. Elective credit for appropriate experiential learning will also be considered.
