

# Associate of Applied Science: Manufacturing & Industrial Technology

AAS Degree Requirements (11 Credits)		
Prefix	Course Title	Credits
MTH 70	Introductory Algebra (with stipulation*)	(4)
COMM 111	Public Speaking	4
WR 121	English Composition I	4
CG 100	College Survival & Success	3
Total Credits		11

\*MTH 70 meets the basic foundational requirement for all AAS degrees; it does not count toward your total credit hours.

Note: TBCC mathematics requirements have changed as of fall 2016. Student with mathematics completion prior to fall 2016 should consult a TBCC Advisor for information on fulfilling this requirement.

General Education Requirements (Minimum 4 Credits)		
General Education Elective		
Prefix	Course Title	Credits
Total Credits		4

Degree Summary	
Category	Credits
AAS Degree Requirements	11
MIT Core Requirements	65-67
General Education Requirements	4
Degree Electives	8-10
Total Credits for Degree	90

MIT Core Requirements (65 - 67 Credits)		
Prefix	Course Title	Credits
DRF 270	Solid Work Fundamentals	3
ELT 125	Basic Programmable Controllers (PC-Based)	2
ELT 126	Intermediate Programmable Controllers (PC-Based)	2
IMT 100	Exploring Manufacturing & Apprenticeship	1
IMT 102	Industrial Safety (OSHA)	4
IMT 103	Applied Industrial Technology Mathematics	4
IMT 104	Rigging, Lifting & Safety Inspection	3
IMT 105	Industrial Hydraulics I	3
IMT 106	Hand Tool/Power Tool Use & Safety	1
IMT 118	Bearings, Seals & Lubricants	3
IMT 200	Pumps & Valves	3
IMT 204	Intro to Pneumatics	2
IMT 222	Lean Manufacturing Process Control	3
IMT 230	Techniques of Preventative Maintenance	3
MCH 102	Intro to Manufacturing	3
MCH 121	Manufacturing Processes I	4
MCH 135	Basic Measuring & Layout Tools	3
MCH 220	Manufacturing Processes II	4
PHY 101	Fundamentals of Physics I	4
PSY 101	Psychology & Human Relations	4
Choose 2 WLD classes from the electives list on the right		
Total Credits		65 - 67

Degree Electives (8-10 Credits)		
Prefix	Course Title	Credits
BA 285	Human Relations in Organization	3
ELT 110	Electricity for the Non-Electrician	2
ELT 225	Advanced Programmable Controllers (PC-Based)	2
ELT 230	Visual Automation Control	3
GT 106	Green Production Practices	3
HE 112	Standard First Aid & Emergency Care	1
IMT 209	Pipefitting	3
IMT 220	Proportional Hydraulics	3
WLD 102	Blueprint Reading	4
WLD 111	Shielded Metal Arc Welding (E7024)	4
WLD 112	Shielded Metal Arc Welding: Mild Steel (E7018)	4
WLD 201	Gas Metal Arc Welding/Gas Tungsten	3
WLD 202	Advanced Gas Metal Arc Welding (GMA)	3
WLD 261	Basic Fabrication	4
Total Credits*		8-10

\*Courses may NOT include WLD courses taken in the core.

MTH & WR courses must be passed with a "C" or better.

Maximum of three credits of PE allowed for an AAS degree.