Manufacturing Engineering Technology, B.S.

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This is a sample plan of study with a suggested sequencing of classes for the major. University electives may be applied to earn additional academic majors, minors, or certificates. Students should regularly meet with their academic advisor to plan their specific semester schedule to include UNIFI/General Education program and/or university elective hours required.

Course	Title	Hour
Freshman		
Fall		
UNIFI/General Education or University Electives		3
PHYSICS 1511	General Physics I	4
ENGR 1000	Introduction to Engineering & Professional Practice	3
TECH 1008	Basic Manufacturing Processes	3
TECH 1024	Engineering Design with CAD	3
	Hours	**16**
Spring		
UNIFI/General Education or University Electives		3
MATH 1420	Calculus I	4
PHIL 1560	Science, Technology, and Ethics (STE)	3
TECH 1010	Fundamentals of Metal Removal	3
TECH 2024	Technical Drawing with GD&T	3
	Hours	**16**
Sophomore		
Fall		
UNIFI/General Education or University Electives		6
CHEM 1020	Chemical Technology	4
TECH 2065	Industrial Robotics	3
ENGR 2080	Statics	2
	Hours	**15**
Spring		
UNIFI/General Education or University Electives		6
TECH 2036	Power Technology	3
TECH 2072	Engineering Materials	3
ENGR 2180	Strength of Materials	2
	Hours	**14**
Junior		
Fall		
CS 1510	Introduction to Computing	4
TECH 3136	Principles of Metal Casting	3
TECH 3142	Statistical Quality Control	3
ENGLISH 3772/5772	Technical Writing for Engineering Technologists	3
UNIFI/General Education or University Electives		2
	Hours	**15**
Spring		
UNIFI/General Education or University Electives		6
TECH 3113	Manufacturing Tooling	3
TECH 3143	Managing Operations and Manufacturing Systems	3
TECH 3147	Computer Aided Manufacturing	3
	Hours	**15**
Senior		
Fall		
UNIFI/General Education or University Electives		9
TECH 3177	Advanced Manufacturing Processes	3
TECH 4162	Hydraulics & Pneumatics	3
	Hours	**15**
Spring		
UNIFI/General Education or University Electives		8
TECH 4137	Tooling Practices in Metal Casting	3
ENGR 4500	Senior Design	3
	Hours	**14**
	Total Hours	**120**