Automation 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		6
ENGR 1000	Introduction to Engineering & Professional Practice	3
PHYSICS 1511	General Physics I	4
TECH 1024	Engineering Design with CAD	3
	Hours	**16**
Spring		
UNIFI/General Education or University Electives		6
PHIL 1560	Science, Technology, and Ethics (STE)	3
MATH 1150	Calculus for Technology	4
TECH 1010	Fundamentals of Metal Removal	3
	Hours	**16**
Sophomore		
Fall		
UNIFI/General Education or University Electives		3
CS 1160	C/C++ Programming	3
TECH 1037	Introduction to Circuits	3
TECH 2065	Industrial Robotics	3
ENGR 2080	Statics	2
	Hours	**14**
Spring		
UNIFI/General Education or University Electives		6
STAT 1772	Introduction to Statistical Methods	3
TECH 1039	Circuits and Systems	3
ENGR 2180	Strength of Materials	2
	Hours	**14**
Junior		
Fall		
UNIFI/General Education or University Electives		6
TECH 2053	Digital Electronics	4
TECH 3148	Machine Design	3
ENGLISH 3772/5772	Technical Writing for Engineering Technologists	3
	Hours	**16**
Spring		
TECH 2055	Electrical Power Systems & Machinery	4
TECH 3147	Computer Aided Manufacturing	3
TECH 3160/5160	Computer-Aided Instrumentation and Interfacing	3
TECH 3164	Programmable Logic Controllers (PLCs)	3
Technical elective course		3
	Hours	**16**
Senior		
Fall		
UNIFI/General Education or University Electives		6
TECH 4162	Hydraulics & Pneumatics	3
Technical elective course		6
	Hours	**15**
Spring		
UNIFI/General Education or University Electives		10
ENGR 4500	Senior Design	3
	Hours	**13**
	Total Hours	**120**