

B.S. Electrical Engineering Technology Degree

This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.

First Year

Fall

Course	Prerequisite	Credit
ENG 1101 Engineering Analysis and Problem Solving*	placement	3
MA 1032 Precalculus*	placement	4
CS 1111 Intro to Programming in C/C++ CS 1121 Introduction to Programming I*	placement	3
Essential Education: Activities for Well-being and Success	—	1
UN 1015 Composition	—	3
Total		14

Spring

Course	Prerequisite	Credit
EET 1121 & 1122 Circuits I with Lab*	MA 1032	4
PH 1140 Applied College Physics I*	MA 1032	3
PH 1111 College Physics I Lab	—	1
MA 1161 Calculus I	MA 1032	5
Essential Education: Foundations of the Human World	varies	3
Total		16

Second Year

Fall

Course	Prerequisite	Credit
EET 2121 & 2122 Circuits II with Lab	EET 1121	3
EET 2411 Digital Electronics	EET 1121	3
EET 2233 Electrical Machinery	EET 1121	4
MA 2160 Calculus II	MA 1161	4
Essential Education: Activities for Well-being and Success	—	1
Total		16

Spring

Course	Prerequisite	Credit
EET 2142 Digital Design & Modeling	EET 2411	3
EET 4233 Power Electronics & Drives	EET 2233	3
EET 2150 Applied Math for Engineering Technology	MA 2160 & EET 1121	3
MA 2720 Statistical Methods or MA 3710 Engineering Statistics	MA 1161	4 3
Essential Education: Arts & Culture	varies	3
Total		15-16

Third Year

Fall

Course	Prerequisite	Credit
EET 3225 Analog Electronic Circuits	EET 2121	4
SAT 1610 Computer & OS Architecture or MIS 2100 Business Programming	CS 1111	3
Technical elective	varies	3-4
ENT 3950 Enterprise work**	—	1
Essential Education: Intercultural Competency	varies	3
Essential Education: Experience	varies	3
Total		16-18

Spring

Course	Prerequisite	Credit
EET 3131 Sensors & Instrumentation	EET 1121	3
EET 3281 Electrical Project Development and Troubleshooting	EET 3225	3
OSM 4300 Project Management	—	3
Technical elective	varies	3-4
ENT 3960 Enterprise work**	—	1
Essential Education: SHAPE	varies	3
Essential Education: Activities for Well-being and Success	—	1
Total		16-18

Fourth Year

Fall

Course	Prerequisite	Credit
EET 3373 Intro to Programmable Controllers	EET 1121	3
EET 4144 Real-Time Robotics Systems	EET 1121	4
EET 4253 Data Acquisition and Signal Processing	EET 3131	3
EET 4999 Professional Practice	—	1
ENT 4950 Enterprise Capstone or EET 4460 Senior Project I**	permission	2 3
Essential Education: Communication Intensive	—	3
Total		16-17

Spring

Course	Prerequisite	Credit
EET 4373 Advanced Programmable Controllers	EET 3373	4
ENT 4960 Enterprise Capstone or EET 4480 Senior Project II**	ENT 4950 EET 4460	2 3
Technical elective	varies	3-4
Technical elective	varies	3-4
Essential Education: Activities for Well-being and Success	—	1
Total		13-16

Grand Total = 120 Credits

* Satisfies a major requirement and an Essential Education requirement.

** Culminating experience consists of 6 credits of: {ENT 3950 (1), 3960 (1), 4950 (2), 4960 (2)} or {EET 4460 (3), 4880 (3)} or {UN 3002 (2), 3003 (2), 3004 (2)}