Bachelor of Science in Engineering Technology

Engineering Technology with a Major in Electrical Engineering Technology (BSET)

Degree Program Guide*

The Degree Program Guide is a suggested curriculum to complete this degree program in four years. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works.

Course prerequisites are strictly enforced. Critical EET course sequences within the Electrical Engineering Technology curricula require a minimum grade of C before progressing to subsequent courses. Refer to the individual EET course descriptions for information on specific C grade and other prerequisite requirements. A grade of C- does not satisfy the requirement for a C grade.

Course	Title	Credit Hours
Freshman		
Fall		
EET 120	Logic Circuits and Microprocessors	3
EET 125	Logic and Microprocessor Laboratory	1
ENGN 110	Explore Engineering and Technology	2
MATH 162M	Precalculus I (C or better required)	3
ENGL 110C	English Composition (C or better required)	3
Human Behavior (S)		3
	Credit Hours	**15**
Spring		
EET 110	Electrical Circuits I (C or better required)	3
ENGT 111	Engineering Technology Information Literacy/Research	2
MATH 163	Precalculus II (C or better required)	3
PHYS 111N	Introductory General Physics	4
Human Creativity (A)		3
	Credit Hours	**15**
Sophomore		
Fall		
EET 200	Electrical Circuits II (C or better required)	3
EET 205	Circuits Laboratory	1
EET 261	Introduction to Microprocessors and Microcontrollers	3
MATH 211	Calculus I (C or better required)	4
PHYS 112N	Introductory General Physics	4
	Credit Hours	**15**
Spring		
EET 210	Electronic Devices and Circuits	3
EET 225	Electronics Laboratory	1
EET 263	Introduction to Programmable Logic Controllers (PLCs)	3
ENGL 211C or ENGL 231C	Writing, Rhetoric, and Research (C or better required) or Writing, Rhetoric, and Research: Special Topics	3
COMM 101R	Public Speaking	3
Laboratory Science		4
	Credit Hours	**17**
Junior		
Fall		
EET 300	Advanced Circuit Analysis	3
EET 310	Digital Electronics	3
EET 315	Digital Electronics Laboratory	2
ENGT 305	Advanced Technical Analysis	3
ENMA 480	Ethics and Philosophy in Engineering Applications **	3
Gen Ed Literature (L)		3
	Credit Hours	**17**
Spring		
EET 312	Principles of Communication Systems	4
EET 320	Advanced Microprocessors and Microcontrollers	3
EET 325	Microprocessor Laboratory	2
EET 330	Linear Electronics	3
EET 335	Linear Electronics Laboratory	2
Gen Ed. Interpreting the past (H)		3
	Credit Hours	**17**
Senior		
Fall		
EET 360	Electrical Power and Machinery	3
EET 366	Electrical Power and Machinery Laboratory	1
EET 373	Instrumentation	3
ENGT 434	Introduction to Senior Project	1
Approved EET Elective		3
Approved Minor		3
Approved Minor		3
	Credit Hours	**17**
Spring		
ENGT 435W	Senior Design Project (C or better required)	3
EET 370	Energy and The Environment	3
Approved EET Elective		3
Approved Minor		3

Approved Minor		3
	Credit Hours	**15**
	Total Credit Hours	**128**

Approved EET Electives

EET 405	Data Communications and Computer Networks	3
EET 412	Wireless Communication Systems	3
EET 420	Advanced Logic Design	3
EET 430	Advanced Motion Control Systems	3
EET 470	Microcontrollers/Embedded-Based Designs	3
EET 483	Introduction to Smart Grids	3
EET 485	Electrical Power Systems	3

* Does not include the University's General Education language and culture requirement. Additional hours may be required.

** Meets the philosophy and ethics general education requirement