

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		
ENGN 121	Introduction to Engineering and Technology	4
MATH 162M	Precalculus I (C or better required)	3
ENGL 110C	English Composition (C or better required)	3
CHEM 121N	Foundations of Chemistry I Lecture	3
CHEM 122N	Foundations of Chemistry I Laboratory	1
Credit Hours		14
Spring		
MATH 163	Precalculus II (C or better required)	3
PHYS 111N	Introductory General Physics	4
ENGN 122	Computer Programming for Engineering	4
ENGL 211C or ENGL 231C	Writing, Rhetoric, and Research (C or better required) or Writing, Rhetoric, and Research: Special Topics	3
Credit Hours		14
Sophomore		
Fall		
EET 110	Electrical Circuits I (C or better required)	3
EET 120	Fundamentals of Logic Circuits	3
EET 125	Logic Circuits Laboratory	1
MATH 211	Calculus I (C or better required)	4
PHYS 112N	Introductory General Physics	4

Human Behavior (S)		3
Credit Hours		18
Spring		
EET 200	Electrical Circuits II (C or better required)	3
EET 205	Electrical Circuits Laboratory	1
EET 210	Electronic Circuits	3
EET 225	Electronic Circuits Laboratory	1
EET 263 or ENGT 270	Introduction to Programmable Logic Controllers (PLCs) or Automation and Controls	3
COMM 101R	Public Speaking	3
Credit Hours		14
Junior		
Fall		
ENGT 305	Advanced Technical Analysis	3
EET 300	Advanced Circuit Analysis	3
EET 310	Digital Electronics	3
EET 315	Digital Electronics Laboratory	2
EET 360	Electrical Power and Machinery	3
EET 366	Electrical Power and Machinery Laboratory	2
Credit Hours		16
Spring		
EET 320	Microcontroller Applications	3
EET 325	Microcontroller Applications Laboratory	2
EET 312	Principles of Communication Systems	4
Gen Ed. Interpreting the Past (H)		3
Gen Ed. Literature (L)		3
Credit Hours		15
Senior		
Fall		
ENGT 434	Introduction to Senior Design Project	3
Approved EET Elective ***		3
Approved EET Elective ***		3
Upper-Division General Education ***		3
Gen. Ed. Human Creativity (A)		3
Credit Hours		15
Spring		
ENGT 435W	Senior Design Project (C or better required)	3
Approved EET Elective ***		3
Approved EET Elective ***		3
Upper-Division General Education ***		3
ENMA 480	Ethics and Philosophy in Engineering Applications **	3
Credit Hours		15
Total Credit Hours		121

- * 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.
- *** Additional courses will be required to complete a minor. See advisor for details.

Approved Electrical Engineering Technology (EET) Electives

EET 330	Linear Electronics	3
EET 335	Linear Electronics Laboratory	2
EET 370	Energy and The Environment	3
EET 373	Instrumentation	3
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