

B.S. in Electrical Engineering Technology

Program Description

The Bachelor of Science in Electrical Engineering Technology (EET) degree provides students with the knowledge required to design, develop, modify, maintain and repair sophisticated electrical and electronic systems.

Delivery Mode

Traditional (on campus)

Accreditation

The B.S. in EET degree program is accredited by the Engineering Technology Accreditation Commission (ETAC), www.abet.org. All graduates of this program receive accredited degrees. Seniors and graduates of the programs are eligible to sit for a pre-licensing Fundamentals of Engineering (FE) exam.

Curriculum

Course	Credits
General Education Courses	41
<i>Building a Sense of Community</i> UNI 100 First-Year Seminar	1
<i>Composition</i> ENG 101 English Composition I	3
<i>Public Speaking</i> Any Public Speaking Course	3
<i>Mathematics and Quantitative Literacy</i> MAT 199 Pre-Calculus	3
<i>Health and Wellness</i> Any Health and Wellness Course	3
<i>Technological Literacy</i> CSC 120 Problem Solving and Programming Constructs	3
<i>Humanities</i> Any Humanities Course	3
<i>Fine Arts</i> Any Fine Arts Course	3
<i>Natural Sciences</i> CHE 101 General Chemistry I	4
<i>Social Sciences</i> ECO 100 Elements of Economics	3
<i>General Education Options</i> <ul style="list-style-type: none"> • Any Ethics and Multicultural Awareness Emphasis Course • CSC 124 Computer Programming I 	12

Department of Computer Science, Information Systems and Engineering Technology

Course	Credits
<ul style="list-style-type: none"> • ENG 217 Scientific and Technical Writing • MAT 281 Calculus I 	
Required Major Courses	73
GET 130 Intro to Engineering Technology	3
CET 235 Digital Electronics Design	4
CET 270 Introduction to Microprocessor Design	4
CET 335 Microprocessor Interfacing	4
CET 360 Microprocessor Engineering	4
EET 110 Electric Circuits I	4
EET 160 Electric Circuits II	4
EET 210 Linear Electronics I	4
EET 310 Methods in Engineering Analysis	3
EET 320 Network Analysis	4
EET 325 Introduction to Electric Power	4
EET 365 Linear Electronics II	4
EET 370 Instrumentation Design I	4
EET 400 Senior Project Proposal	1
EET 410 Automatic Control Systems	4
EET 430 RF Communications	4
EET 450 Senior Project	3
MAT 282 Calculus II	3
PHY 101 College Physics I	4
PHY 202 College Physics II	4
Technical Elective	4
Select from the following: <ul style="list-style-type: none"> • CET 440 Computer Networking • EET 420 Instrumentation Design II • EET 460 Digital Signal Processing • EET 485 Special Topics in EET • EET 495 EET Internship (single instance, 4 cr. max) 	4

Department of Computer Science, Information Systems and Engineering Technology

Course	Credits
Related Electives	3
Select from the following: <ul style="list-style-type: none">• Any EET technical elective• Any ITE course• MTR 325 or above• CHE 102 General Chemistry II• CSC 202 or above• MAT 195 Discrete Math Structures• MAT 300 or above• PHY 221 or above	3
Total	120

Additional requirements, not counted toward the General Education requirements, include:

- **Special Experience Course (1 course required):** EET 450 Senior Project
- **Writing-Intensive Component Courses (2 courses required):** CET 360 Microprocessor Engineering AND EET 450 Senior Project
- **Laboratory Course (1 course required):** EET 110 Electric Circuits I

Program Notes: College Algebra (3 credits) and College Trigonometry (3 credits) may be substituted for Pre-Calculus, if math placement test score does not permit direct entry into Pre-Calculus or if the student desires a less intense math coverage.

Program Webpage

<https://www.calu.edu/academics/undergraduate/bachelors/electrical-engineering-technology/index.aspx>