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 |

| Spring | PHYS 112N | Introductory General Physics | 4 | | |
|--|---|--|----|--------------------------|--|
| EET 210 Electronice Laboratory 1 EET 225 Electronices 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 (Publics). 3 COMM 101R Public Speaking 3 Laboratory Science 4 Verdit Hours 17 Junior Fall EET 310 Digital Electronics 3 EET 310 Digital Electronics Laboratory 2 ENGT 305 Advanced Technical Analysis 3 EET 315 Digital Electronics Laboratory 2 ENGT 305 Advanced Technical Analysis 3 ENGT 305 Advanced Technical Analysis 3 ET 315 Digital Electronics Laboratory 2 EET 312 Principles of Communication Systems 17 Spring EET 320 Advanced Microprocessors and Microcontrollers 3 EET 335 Linear | | Credit Hours | 15 | | |
| 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 (Expecial Topics 3 COMM 101R Public Speaking 3 Laboratory Science Credit Hours 17 Junior Fall EET 300 Advanced Circuit Analysis 3 EET 315 Digital Electronics 3 EET 315 Digital Electronics Laboratory 2 ENDA 480 Ehics and Philosophy in Engineering Applications " 3 Spring 17 Spring EET 312 Principles of Communication Systems 4 Spring EET 320 Advanced Microprocessors and Microcontrollers 3 EET 321 Principles of Communication Systems 3 EET 325 Microprocessor Laboratory 2 EET 326 Microprocessor Laboratory 2 EET 335 Linear Electronics Laboratory 3 | Spring | | | | |
| EET 263 | EET 210 | Electronic Devices and Circuits | 3 | | |
| ENGL 211C or ENGL 231C | EET 225 | Electronics Laboratory | 1 | | |
| ENGL 21IC or ENGL 23IC Writing, Rhetoric, and Research (C or better required) or Welfring, Rhetoric, and Research: Special Topics 3 COMM 10IR Public Speaking 3 Laboratory Science 4 Tend 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 ENGT 305 Advanced Technical Analysis 3 ENGT 305 Advanced Philosophy in Engineering Applications." 1 Gen Ed Literature (L) 7 Spring EET 312 Principles of Communication Systems 4 EET 320 Advanced Microprocessors and Microprocessors and Microcontrollers 2 EET 330 Linear Electronics Laboratory 2 EET 352 Microprocessor Laboratory 2 Senior Fall | EET 263 | Introduction to Programmable | 3 | | |
| Research (C or better required) or Writing, Rhetoric, and Research. Special Topies COMM 101R Public Speaking 3 Laboratory Science 4 Tedit 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 ENGT 305 Advanced Technical Analysis 3 ENGT 305 Advanced Technical Analysis 3 EET 305 Credit Hours 3 Spring EET 312 Principles of Communication 2 EET 320 Advanced Microprocessors and Microcontrollers 2 EET 325 Linear Electronics Laboratory 2 <th <="" colspan="2" td=""><td></td><td>Logic Controllers (PLCs)</td><td></td></th> | <td></td> <td>Logic Controllers (PLCs)</td> <td></td> | | | Logic Controllers (PLCs) | |
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| Name | COMM 101R | | 3 | | |
| Name | Laboratory Science | | 4 | | |
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| Systems Syst | Spring | | | | |
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| EET 335 Linear Electronics Laboratory 2 Gen Ed. Interpreting the past (H) Credit Hours 17 Senior Fall EET 360 Electrical Power and Machinery 3 EET 366 Electrical Power and Machinery Laboratory 3 EET 373 Instrumentation 3 ENGT 434 Introduction to Senior Project 1 Approved EET Elective 3 Approved Minor 3 Approved Minor 3 Spring 17 Spring 17 ENGT 435W Senior Design Project (C or better required) 3 EET 370 Energy and The Environment 3 Approved EET Elective 3 | EET 325 | Microprocessor Laboratory | 2 | | |
| Credit Hours 17 Senior Fall | EET 330 | Linear Electronics | 3 | | |
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| | EET 370 | Energy and The Environment | 3 | | |
| Approved Minor 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 must be required. | nay |
| ** | Meets the philosophy and ethics general education | |

requirement