Bachelor of Science in Engineering Technology

Degree Requirements

Candidates for the Bachelor of Science must meet the following requirements.

1. Hours Required for the Degree: Completion of a minimum of 131 total semester hours; 42 must be advanced.

2. General University Requirements: See "General Degree Requirements" in the Academics section of this catalog.

3. College of Arts and Sciences Core Curriculum: Minimum 61 hours (includes requirements of University Core Curriculum). See "Arts and Sciences Core Curriculum" in the College of Arts and Sciences section of this catalog for specific core requirements and list of approved courses. See four-year plan for exact hours and modifications.

4. Major Requirements: 63-69 hours from one of five concentrations chosen with the advice of an academic adviser within the department.

5. Minor Requirements: No additional hours required for a minor.

6. Electives: Elective courses within each concentration must be approved by the student's academic adviser.

7. Other Course Requirements: MATH 1650, 1710 and 1720. Students registering for fall or spring semester must register for mathematics until the requirement has been satisfied, unless approved by the department chair.

8. Other Requirements: PHYS 1710/1730 and 2220/2240 and CHEM 1420/1440 (with departmental approval) must be taken to satisfy the laboratory science requirement of the Arts and Sciences Core.

The English requirement is met by the following courses: ENGL 1310, 2700, 2210 and 2220.
A 2.5 GPA is required for engineering technology courses in the area of concentration.

DRED (Traffic Safety) courses may not be used to satisfy any portion of a degree in the College of Arts and Sciences.

Electronics Engineering Technology (ELET)

The electronics engineering technology concentration is designed to develop the technical and personal skills necessary to compete successfully in today's electronics industry. The program builds on a strong foundation in mathematics and science and includes courses in network analysis, linear electronics, digital electronics, communication systems and control systems. Computer utilization is an integral part of all electronics courses and most courses include a laboratory to provide the necessary hands-on experience for an applied program of study. The student's technical background is further enhanced by taking selected courses from other engineering technology concentrations. The development of technical communication and presentation skills is a requirement throughout the curriculum. The electronics engineering technology concentration is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology.

BS in Engineering Technology

*Following is **one** suggested four-year degree plan. Students are encouraged to see their adviser each semester for help with program decisions and enrollment.*

BS in Engineering Technology
Concentration in Electronics Engineering Technology

FRESHMAN YEAR

FALL	HOURS
ELET 1700, Circuit Analysis I[35]	4
ENGL 1310, College Writing I	3
MATH 1650, Pre-Calculus[4]	5
PSCI 1040, American Government	3
Wellness[11]	2-3
Total	17-18

FRESHMAN YEAR

SPRING	HOURS
CSCI 1110, Program Development	4
ELET 1710, Circuit Analysis II	4
ELET 1720, Electronics I	4
ENGL 2210, World Literature I	3
MATH 1710, Calculus I	4
Total	19

SOPHOMORE YEAR

FALL	HOURS
CHEM 1420, General Chemistry	3
CHEM 1440, General Chemistry Laboratory	1
ELET 2720, Digital Logic	4
ELET 2740, Electronics II	3
ENGL 2220, World Literature II	3
MATH 1720, Calculus II	3
Total	17

SOPHOMORE YEAR

SPRING	HOURS
ELET 2750, Introduction to Microprocessors	4
ELET 2770, PC Board Design and Fabrication	2
ENGL 2700, Technical Writing	3
PHYS 1710, Mechanics	3
PHYS 1730, Laboratory in Mechanics	1
PSCI 1050, American Government	3
Elective (advanced)[16]	3
Total	19

JUNIOR YEAR

FALL	HOURS
ELET 3700, Circuit Analysis III	3
ELET 3750, Digital Systems	4
HIST 2610, United States History to 1865[12]	3
PHYS 2220, Electricity and Magnetism	3
PHYS 2240, Laboratory in Wave Motion, Electricity, Magnetism and Optics	1
ELET Option[13]	4
Total	18

JUNIOR YEAR

SPRING	HOURS
ECON 1110, Principles of Macroeconomics	3
ELET 3770, High Frequency Systems I	4
ELET 4720, Control Systems	4
HIST 2620, United States History Since 1865[12]	3
MFET 3240, Statics and Strength of Materials	4
Total	18

SENIOR YEAR

FALL	HOURS
ELET 4770, High Frequency Systems II	4
GNET 1030, Technological Systems[14]	3
MEET 3940, Fluid Mechanics Applications	3
ELET Option (advanced)[13]	4
Total	14

SENIOR YEAR

SPRING	HOURS
COMM 2040, Public Speaking	3
ELET 4790, Senior Design	2
MFET 4190, Quality Assurance	3
Understanding of Ideas and Values[16, 19]	3
Visual and Performing Arts[7, 16]	3
Total	14

Actual degree plans may vary depending on availability of courses in a given semester.
Some courses may require prerequisites not listed.
See Arts and Sciences folding key (#2) for footnotes.