

Year 5-6



Master's of Science in Engineering Technology

Year 6: Students choose electives from their chosen concentration. Students also work to complete either their Master's project or Master's thesis.

Year 5: During the first year, students take core courses and choose a concentration if applicable.

Core Courses

Project Planning & Scheduling
 Engineering Analysis
 Engineering Statistics

Concentration Courses

Advanced Quality Control
 System Design
 Internet of Things and Cybersecurity
 Engineering Technology Capstone
 Advanced Sensor Technology
 Introduction to Project Management

Year 3-4



Bachelor's Degree in Engineering Technology

Year 4: Students take senior-level courses and fulfill internship and field-work requirements. Programs not requiring an internship recommended engaging a career exploration counselor to find an internship.

Year 3: Students take specialized courses in their area of concentration.

GE Courses

General Chemistry
 Social Sciences Synthesis
 Humanities & Synthesis

Engineering Technology Courses

Solid State Technology
 Circuit Analysis
 Digital Technology
 Electronic Communication
 Analysis for Engineering Tech.

Elective Courses

Industrial Electronics
 Advanced Electronic Communication
 Electrical Power & Motor Control
 Programmable Logic Controllers
 Advanced Programmable Logic Controllers
 Automation and Robotics
 Server Applications Programming
 Computer Network Technology

Year 1-2



Associate Degree / Pursuing Bachelor's Degree

Year 2: Students should continue to complete their GE courses and begin taking lower-division requirement courses. Pre-requisite courses provide students with a basic understanding of theoretical and practical skills.

Year 1: Students are required to take general education courses, but it is also recommended they work to fulfill their degree prerequisite requirements.

GE Courses

Analytical Reading, Expository Writing
 Critical Thinking
 Oral Communication
 Psychology
 Physics
 Sociology

Engineering Technology-Related Courses

Electric Circuits 1 / 2
 C++ for Technicians
 Automation Control Systems
 Microprocessor Systems

Lower-Division / Major Prerequisites

Algebra and Trig 1 / 2
 Pre-Calculus / Calculus I

Year 0



High School Diploma

Transportation-related career academies.