

CET353 Web Development for Engineering Applications (3 hrs)
 CET387 Cooperative Education in Computer Engineering Technology (3 hrs)
 CET427 Programmable Logic Controller (3 hrs)
 CET451 Engineering Database Development (3 hrs)
 CET453 Engineering Programming (3 hrs)
 CET491 Senior Design Capstone (3 hrs)
 POM374 Introduction to Product/Operation Management (3 hrs)
 IS380 Introduction to Databases (3 hrs)

Restricted Electives 6 hours

Six hours from the following selected in consultation with the adviser:
 CET426 Engineering Product Information (3 hrs)
 ELEC314 Digital Circuit Analysis II (3 hrs)
 ELEC420 Advanced Microprocessors (3 hrs)
 CADM223 Engineering Graphics II (3 hrs)
 MET312 Applied Dynamics Principles (3 hrs)
 MFG111 Engineering Materials (3 hrs)
 MFG123 Manufacturing Processes and Methods (3 hrs)
 MATH122 Elementary Linear Algebra (3 hrs)
 MATH325 Differential Equations (3 hrs)
 COSC221 Computer Organization I (3 hrs)
 COSC321 Computer Organization II (3 hrs)
 IS315 Applied Data Structures (3 hrs)
 or adviser approved courses

Minor Requirements0 hours
No minor is required.

University Elective Courses0 hours

Program Total124 hours

ELECTRONIC ENGINEERING TECHNOLOGY MAJOR (EET)

The electronic engineering technology major is designed to prepare students for interesting and challenging positions in the diverse field of electronics. The curriculum provides for a strong foundation in electronics to support future changes in technology or the career roles of the individual. The graduate may find employment on engineering teams in product design and development, in production and automation, in instrumentation and communications or in technical sales and operations.

General Education Requirements50 hours

Area I Symbolics and Communication

1. See page 23
2. CTAS121 Fundamentals of Speech (2 hrs)
3. ENGL324 Principles of Technical Communication (3 hrs)
4. MATH120 Calculus I (4 hrs)
5. COSC246 Programming in C++ (3 hrs)

Area II Science and Technology

1. CHEM121/122 General Chemistry I with lab (4 hrs)
2. PSY101 General Psychology (3 hrs)
3. PHY223 Mechanics and Sound (5 hrs)

Area III Social Sciences

1. See page 24
2. See page 24
3. ECON201 Principles of Macroeconomics (3 hrs)
4. ECON202 Principles of Microeconomics (3 hrs)

Area IV Arts and Humanities

1. See page 24
2. See page 25
3. See page 25
4. See page 25

Physical Education/Graduation Requirement2 hours

Major Requirements72 hours

Engineering Technology Core Courses 18 hours

- CADM122 Engineering Graphics I (3 hrs)
- ELEC200 Circuit Analysis I (3 hrs)
- MATH121 Calculus II (4 hrs)
- PHY224 Electricity and Light (5 hrs)
- MET312 Applied Dynamics Principles (3 hrs)

EET Major Courses 54 hours

- ET100 Introduction to Engineering Technology (3 hrs)
- CADM426 Manufacturing Communication Systems (3 hrs)
- CET427 Programmable Logic Controllers (3 hrs)
- COSC238 Computer Science II (3 hrs)
- ELEC210 Circuit Analysis II (3 hrs)
- ELEC214 Digital Circuit Analysis I (3 hrs)
- ELEC215 Computer-Aided Electronics (3 hrs)
- ELEC218 Motors and Controls (3 hrs)
- ELEC300 Analog Circuit Analysis I (3 hrs)
- ELEC310 Analog Circuit Analysis II (3 hrs)
- ELEC314 Digital Circuit Analysis II (3 hrs)
- ELEC320 Microcomputer Circuits (3 hrs)
- ELEC387 Cooperative Education in Electronic Technology (3 hrs)
- ELEC415 Communication Circuits (3 hrs)
- ELEC420 Advanced Microprocessors (3 hrs)
- ELEC450 Senior Design Project (3 hrs)
- MATH122 Elementary Linear Algebra (3 hrs)
- QUAL320 Industrial Quality Control (3 hrs)

Minor Requirements0 hours
No minor is required.

University Elective Courses0 hours

Program Total124 hours

MANUFACTURING ENGINEERING TECHNOLOGY MAJOR (MFGET)

The Manufacturing Engineering Technology program prepares the student for the development, design, analysis, planning, supervision and construction of methods and equipment for the production of industrial and consumer goods. Students receive a unique blend of knowledge which directly corresponds to modern applications used in manufacturing. Graduates can become certified as manufacturing engineers by the Society of Manufacturing Engineers.

General Education Requirements50 hours

Area I Symbolics and Communication

1. See page 23
2. CTAS121 Fundamentals of Speech (2 hrs)
3. ENGL324 Principles of Technical Communication (3 hrs)
4. MATH120 Calculus I (4 hrs)
5. COSC246 Programming in C++ (3 hrs)

Area II Science and Technology

1. CHEM121/122 General Chemistry I with lab (4 hrs)
2. PSY101 General Psychology (3 hrs)
3. PHY223 Mechanics and Sound (5 hrs)

Area III Social Sciences

1. See page 24
2. See page 24
3. ECON201 Principles of Macroeconomics (3 hrs)
4. ECON202 Principles of Microeconomics (3 hrs)

Area IV Arts and Humanities

1. See page 25
2. See page 25
3. See page 25
4. See page 25