ELECTRONIC ENGINEERING TECHNOLOGY

Electronic Engineering Technology (EET) is a technological field requiring the application of scientific and engineering knowledge and methods, combined with technical skills, in support of engineering activities. An electronic engineering technologist is a person who is knowledgeable in electronics theory and design and who understands state-of-the-art practices in digital and analog circuits and systems. Computers, controls/automation, robotics, instrumentation, and communications are just a few fields open to engineering technologists.

PROGRAMS

DEGREES AND CERTIFICATES

- Bachelor of Science in Electronic Engineering Technology
- Electronic Engineering Technology Minor
- Renewable Energy Certificate

ABOUT THE PROGRAM

A Bachelor of Science in Electronic Engineering Technology prepares students to enter fields requiring the application of scientific and engineering knowledge and methods, combined with technical skills, supporting engineering activities.

REAL-WORLD CONNECTIONS

SKILLS AND TALENTS

- Product Design
- Technical Skills
- Technology Skills
- Lab Equipment
- Problem-Solving Skills
- Communication Skills

CAREERS

- Electronic Engineer
- Controls Engineer
- Network Engineer
- Design Engineer
- Quality Engineer
- Project Engineer

EMPLOYERS

- Chart Industries
- Consolidated Communications
- El Microcircuits
- Amazon
- Kato Engineering
- M4 Control Systems

INSPIRED ACTION

EMPLOYMENT RATE

100%

of program graduates begin their careers within one year of graduation.

Graduates: 25
Respondents: 19
link.mnsu.edu/graduate-follow-up

MEDIAN SALARY

$72,800

The median annual wage for Electrical and Electronic Engineering Technologists and Technicians in May 2023.

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Electrical and Electronic Engineering Technologists and Technicians, at link.mnsu.edu/electrical-engineering-salary

PROGRAM WEBSITE

cset.mnsu.edu/ecet

SAMPLE FOUR-YEAR PLAN - ELECTRONIC ENGINEERING TECHNOLOGY, BS

First Year (Fall)	First Year (Spring)
ENG 101 Foundations of Writing & Rhetoric (4) EE 105 Introduction to Electrical and Computer Engineering & Technology (1) EET 113 DC Circuits (3) MATH 115 Precalculus Mathematics (4) EET 141 Integrated Computer Technology I (4)	EE 107 Intro to Electrical and Computer Engineering Thr Software Dev (3) EET 114 AC Circuits (3) MATH 121 Calculus I (4) General Education Course (3)
Second Year (Fall)	**Second Year (Spring)**
MATH 127 Calculus II for Engineering Technology: Integration (2) EET 143 Integrated Computer Technology III (4) PHYS 211 Principles of Physics I (4) EET 221 Electronic CAD (3) EET 222 Electronics I (4)	PHYS 212 Principles of Physics II (4) EET 223 Electronics II (4) EE 234 Microprocessor Engineering I (3) EE 235 Microprocessor Engineering Laboratory I (1) EET 341 Electronic Shop Practices (2) General Education Course (3)
Third Year (Fall)	**Third Year (Spring)**
CHEM 104 Introduction to Chemistry (3) EET 355 Electrical Power Systems (4) EET 384 Microprocessors II (4) EET 452 Operational Amplifier Applications (3) General Education Course (3)	STAT 221 Applied Probability and Statistics for Engineers (3) EET 340 Programmable Hardware Technology (4) EET 456 Analog Communications (4) General Education Course (3) General Education Course (3)
Fourth Year (Fall)	**Fourth Year (Spring)**
MET 427 Quality Management Systems (3) EE 450 Engineering Economics (3) EET 461 Industrial Automation I (4) General Education Course (3) Elective Course in Major (2)	EET 462 Industrial Automation II (4) EET 497 Internship (3) General Education Course (3) Elective Course in Major (3)

For more information about program requirements, visit:
mnsu.edu/academics/academic-catalog

LEARN MORE

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NOTES