

ELECTRICAL ENGINEERING TECHNOLOGY

University of Northern Iowa College of Humanities, Arts & Sciences

<https://tech.uni.edu/electrical-engineering-tech>

About The Major

Electrical Engineering Technology deals with the design, application, installation, manufacturing, operation, or maintenance of electrical and electronic systems. Electrical technologists assist electrical engineers and may prepare layouts of electrical transmission or distribution systems, supervise workflow, estimate project costs, or participate in research studies.

Sample Course Work

Introduction to Circuits
Advanced Analog Electronics
Advanced Digital Electronics
Technical Writing for Engineering Technologies
Introduction to Electrical Power and Machinery
General Physics 1

Possible Careers

*Some titles may require further education

Field Engineer
Systems Engineer
Electrical Engineer
Software Engineer

Operations
Electrical Engineer
Manufacturing Engineer
Product Specialist

Industrial Engineer
Systems Technician
Molding Engineer
Plant Manager

UNI Graduates: Where Are They Now?

- John Deere
- Rockwell Collins
- Paulo Heat Treating, Brazing, and Metal Finishing
- JD Edwards
- PeopleSoft
- Oracle
- Clean Technology Partners Pty Ltd.
- Cenbion, LLC
- Bluestone Engineering, LLC
- Trapeze Software Group
- Alcoa
- Boston Scientific
- Collins Aerospace

Skills Needed

- Critical thinking
- Circuit Design
- Active Learning
- Interpersonal Communication
- Organizational Skills
- Complex Problem-solving
- Math and Physics skills