

# ELECTRICAL ENGINEERING TECHNOLOGY

University of Northern Iowa College of Humanities, Arts & Sciences  
<https://tech.uni.edu/mantech>

## 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 in activities such as process control, electrical power distribution, or instrumentation design. They may prepare layouts of electrical transmission or distribution systems, supervise the flow of work, estimate project costs, or participate in research studies.

## SAMPLE COURSEWORK

Introduction to Circuits	Introduction to Electrical Power and Machinery
Pre-calculus	Advanced Analog Electronics
Circuits and Systems	Advanced Digital Electronics
Calculus for Technology	Technical Writing for Engineering Technologists
General Physics I	

## POSSIBLE CAREERS \*some titles may require further education

Field Engineer	Electrical Engineer	Quality Assurance	Industrial Engineer
Systems Engineer	Manufacturing Engineer	Systems Technician	Tool Designer
Electrical Engineer	Operations	Simulation Engineer	Test Engineer
Software Engineer	Product Specialist	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
- Organization skills
- Complex Problem Solving
- Math and Physics

## HOLLAND CODES

**RIS**