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

### Possible Careers

<table>
<thead>
<tr>
<th>Field Engineer</th>
<th>Electrical Engineer</th>
<th>Quality Assurance</th>
<th>Industrial Engineer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Systems Engineer</td>
<td>Manufacturing Engineer</td>
<td>Systems Technician</td>
<td>Tool Designer</td>
</tr>
<tr>
<td>Electrical Engineer</td>
<td>Operations</td>
<td>Simulation Engineer</td>
<td>Test Engineer</td>
</tr>
<tr>
<td>Software Engineer</td>
<td>Product Specialist</td>
<td>Molding Engineer</td>
<td>Plant Manager</td>
</tr>
</tbody>
</table>

### 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