Triton College and NIU CEET Transfer Guidelines for B.S. Degree in Electrical Engineering

The Department of Electrical Engineering welcomes transfer students from Illinois community colleges. Students find it easy to continue their studies at NIU if they plan well. Therefore, following the course guidelines in this brochure while completing an Associate of Science (AS) Degree is highly recommended [1]. Students should always work closely with their community college advisor.

### Courses at Triton College

<table>
<thead>
<tr>
<th>Courses at Triton College</th>
<th>Equivalent courses at NIU</th>
</tr>
</thead>
<tbody>
<tr>
<td>*SPE 101</td>
<td>COMS 100</td>
</tr>
<tr>
<td>**RHT 101</td>
<td>ENGL 103</td>
</tr>
<tr>
<td>**RHT 102</td>
<td>ENGL 203</td>
</tr>
<tr>
<td>CHM 140</td>
<td>CHEM 210 and CHEM 212</td>
</tr>
<tr>
<td>CIS 121 AND CIS 255</td>
<td>CSCI 240 and CSCI 241 (only CSCI 240 required for ELE)</td>
</tr>
<tr>
<td>MAT 131</td>
<td>MATH 229</td>
</tr>
<tr>
<td>MAT 133</td>
<td>MATH 230</td>
</tr>
<tr>
<td>MAT 235 AND MAT 133</td>
<td>MATH 232</td>
</tr>
<tr>
<td>PHY 106</td>
<td>PHYS 253</td>
</tr>
<tr>
<td>PHY 107</td>
<td>PHYS 273</td>
</tr>
<tr>
<td>EGR 152</td>
<td>MEE 210</td>
</tr>
<tr>
<td>EGR 211</td>
<td>MEE 211</td>
</tr>
<tr>
<td>EGR 260</td>
<td>ELE 210</td>
</tr>
<tr>
<td>EGR 100</td>
<td>UEET 101</td>
</tr>
</tbody>
</table>

*Satisfies NIU Foundational Studies Oral Communication Requirement.

**Satisfies NIU Foundational Studies Writing Requirement.


### General Education Requirements
NIU's College of Engineering and Engineering Technology no longer requires special sequences in Social Sciences and Humanities. Therefore, students only need to satisfy NIU's general education requirements. When choosing general education ("knowledge domain") courses, please consult with your Triton College advisor, verify general education requirements in the NIU Undergraduate Catalog, and check the NIU Community College Articulation Tables for transferability.

### Courses at NIU

Remaining classes to be taken at NIU's College of Engineering and Engineering Technology to earn a Bachelor of Science Degree in **Electrical Engineering**:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELE 210U</td>
<td>Engineering Circuit Laboratory Project</td>
</tr>
<tr>
<td>ELE 250</td>
<td>Computer Engineering I</td>
</tr>
<tr>
<td>ELE 250U</td>
<td>Computer Engineering I Laboratory</td>
</tr>
<tr>
<td>ELE 315</td>
<td>Signals and Systems</td>
</tr>
<tr>
<td>ELE 330</td>
<td>Electronic Circuits</td>
</tr>
<tr>
<td>ELE 335</td>
<td>Theory of Semiconductor Devices I</td>
</tr>
<tr>
<td>ELE 340</td>
<td>Electrical Power Systems</td>
</tr>
<tr>
<td>ELE 356</td>
<td>Computer Engineering II</td>
</tr>
<tr>
<td>ELE 360</td>
<td>Communications Systems</td>
</tr>
<tr>
<td>ELE 370</td>
<td>Engineering Electromagnetics</td>
</tr>
<tr>
<td>ELE 380</td>
<td>Control Systems I</td>
</tr>
<tr>
<td>ELE 491</td>
<td>Electrical Engineering Design Proposal</td>
</tr>
<tr>
<td>ELE 492 OR</td>
<td>Electrical Engineering Design Project OR</td>
</tr>
<tr>
<td>ELE 429</td>
<td>Biomedical Engineering Design Project</td>
</tr>
<tr>
<td>ISYE 220</td>
<td>Engineering Economy</td>
</tr>
<tr>
<td>ISYE 335 OR</td>
<td>Probability and Statistics for Engineers OR</td>
</tr>
<tr>
<td>STAT 350</td>
<td>Introduction to Probability and Statistics</td>
</tr>
<tr>
<td>PHYS 283</td>
<td>Fundamentals of Physics III: Quantum Physics</td>
</tr>
</tbody>
</table>

### 18 semester hours of Technical Electives

Electives may be any ELE course numbered 400 or higher with the exception of ELE 429, ELE 491, ELE 492, and ELE 497. With the approval of the Department of Electrical Engineering, other mathematics, sciences, or engineering courses may be used as electives. At least 12 of these 18 semester hours must be from the Department of Electrical Engineering, and a minimum of two courses must be selected from one of the following five areas: Microelectronics, Power/Controls, Signal Processing/Communications, Electromagnetics, and Computer Engineering.

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**For More Information**
Visit our Home Page. This site provides information on course descriptions, course syllabi, lab tours, faculty profiles, student organizations, suggested 4-year degree plans, other useful links, etc.

**For undergraduate application materials, contact:**

Office of Admissions  
Northern Illinois University  
DeKalb, IL 60115-2857  
admissions@niu.edu

Apply online at: [http://www.admissions.niu.edu/admissions/](http://www.admissions.niu.edu/admissions/)

**For more information on transfer programs at NIU:**  
Call (815) 753-0446 or (800) 892-3050 (toll free) and ask to speak with a Transfer Counselor.

**For more information about the Engineering Transfer Program at Triton College,** contact: Counseling Department at (708) 456-0300 ext. 3588 or counsel@triton.edu.

**Disclaimer:** Although NIU attempts to accommodate the course requests of all students, some course offerings may be limited by financial, space, and staffing considerations, or may otherwise be unavailable. Nothing in this brochure may be construed to promise or guarantee registration in any course or course of study (whether required or elective), nor may anything be construed to promise or guarantee the completion of an academic program within a specific length of time. All degree requirements are subject to the provisions and notices in the Undergraduate Catalog. Information in this brochure is valid through August 2016.

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