Completion of the following curriculum will satisfy both the requirements for an Associate in Science at KCTCS as well as the requirements for the University of Kentucky's bachelor’s degree in Electrical Engineering.

Engineering Standing upon transfer is available to students who maintain an overall and pre-major GPA of 2.5. Pre-major courses considered in the standing for Electrical Engineering include: MA 113 (or equivalent), MA 114 (or equivalent), MA 213 (or equivalent), PHY 231, CHE 105 (or equivalent), CIS/WRD 110 (or equivalent).

KCTCS students planning to transfer to the University of Kentucky should work closely with the UK Transfer Advisor each semester to ensure both KCTCS and UK requirements are met.

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>2nd Semester</th>
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</thead>
<tbody>
<tr>
<td>ENG 101: Writing I (3)</td>
<td>ENG 102: Writing II (3)</td>
</tr>
<tr>
<td>CHE 170: General College Chemistry I (4)</td>
<td>MA 114, MAT 184, or MAT 185: Calculus II (4-5)</td>
</tr>
<tr>
<td>MA 113, MAT 174, or MAT 175: Calculus I (4-5)</td>
<td>PHY 231 + 241: University Physics I (5)</td>
</tr>
<tr>
<td>CS 115 or CIT 144 or CIT 149 (3)</td>
<td>*Heritage course (3)</td>
</tr>
<tr>
<td>Semester Hours 14-15</td>
<td>Semester Hours 15-16</td>
</tr>
</tbody>
</table>

First Summer Option

<table>
<thead>
<tr>
<th>3rd Semester</th>
<th>4th Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 232 + 242: University Physics II (5)</td>
<td>MA 214, MAT 214, or MAT 285: Calculus IV/Differential Equations (3)</td>
</tr>
<tr>
<td>MA 213, MAT 213, or MAT 275: Calculus III (4)</td>
<td>*Social and Behavioral Science course (3)</td>
</tr>
<tr>
<td>*Social and Behavioral Science course (3)</td>
<td>*Humanities course (3)</td>
</tr>
<tr>
<td>CS 215 (4)</td>
<td>Oral Communication course (3)</td>
</tr>
<tr>
<td>Semester Hours 16-17</td>
<td>*Elective course (3)</td>
</tr>
<tr>
<td></td>
<td>Semester Hours 15-16</td>
</tr>
</tbody>
</table>

Total Credit Hours: 60-63

Notes: *One course must satisfy the Cultural Studies requirement.

The student must test out of the computer literacy requirement so that CS 115, CIT 144, or 149 can be used to satisfy the Bachelor’s Degree requirement.
### 5th Semester
- EGR 215 (3)
- Engineering/Science Elective (3)
- STA 381 or STA/MA 302 (3)
- EE 211 (4)
- EE 282 (4)

**Semester Hours:** 17

### 6th Semester
- EE 223 (4)
- EE 287 (4)
- EE 468G (4)
- Supportive Elective (3)

**Semester Hours:** 15

### 7th Semester
- EE 415G (3)
- EE 421G (3)
- EE 461G (3)
- Technical Elective (3)
- EE Lab (2)

**Semester Hours:** 14

### 8th Semester
- EE 490 (3)
- EE Technical Elective (3)
- EE Technical Elective (3)
- Technical Elective (3)
- Math/Statistics Elective (3)

**Semester Hours:** 15

### 9th Semester
- EE 491 (3)
- EE Lab (2)
- EE Technical Elective (3)
- EE Technical Elective (3)
- Engineering/Science Elective (3)

**Semester Hours:** 14

### 10th Semester

Total Credit Hours: 75