This roadmap is a recommended semester-by-semester plan of study for this major. However, courses and milestones designed as critical (!) must be completed in the semester listed to ensure a timely graduation.

<table>
<thead>
<tr>
<th>Critical Course Subject and Title</th>
<th>Credit Hours</th>
<th>Min. Grade</th>
<th>Major GPA</th>
<th>Attribute</th>
<th>Notes</th>
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<td><strong>Semester One [17 Credits]</strong></td>
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<tr>
<td>! EERT 12000 Electric Circuits I</td>
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<td>! MERT 12000 Engineering Drawing</td>
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<tr>
<td>CS 10061 Introduction to Computer Programming or DSCI 15310 Computational Thinking and Programming or EERT 22003 Technical Computing</td>
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<td>MATH 11010 Algebra for Calculus</td>
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<td>US 10097 Destination Kent State: First Year Experience</td>
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<td>Kent Core Requirement</td>
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<td><strong>Semester Two [19 Credits]</strong></td>
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<tr>
<td>! EERT 12001 Electric Circuits II</td>
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<td>! EERT 12010 Introduction to Electronics</td>
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<tr>
<td>ENG 20002 Introduction to Technical Writing (3) or ITAP 26638 Business Communications (3)</td>
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<td>MATH 11012 Intuitive Calculus</td>
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<td><strong>Semester Three [14-16 Credits]</strong></td>
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<td>! EERT 22011 Electronic Systems</td>
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<td>! EERT 22014 Microprocessors and Robotics</td>
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<td>! Electrical/Electronic Engineering Technology °</td>
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<td>COMM 15000 Introduction to Human Communication</td>
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<td>! EERT 22015 Robotics and Advanced Microsystems</td>
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<td>! EERT 22004 Digital Systems</td>
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<td>! MERT 22009 Engineering Technology Project</td>
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<td>PHY 12202 Technical Physics II (4) or PHY 13012 College Physics II (2) and PHY 13022 General College Physics Laboratory II (1)</td>
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<td>General Studies Elective °</td>
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**Graduation Requirements Summary**

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<tr>
<th>Minimum Total Hours</th>
<th>Minimum Major GPA</th>
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<td>69</td>
<td>2.000</td>
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</table>

1. US 10097 is not required of transfer students with 25 credits (excluding College Credit Plus and dual-enrollment) or students age 21+ at time of admission.

2. Electrical/Electronic Engineering Technology (3 credit hours)

Choose from the following:

- EERT 22002 Industrial Controls (3)
- EERT 22005 Electronic Instrumentation (3)
- EERT 22018 PC/Network Engineering and Troubleshooting (3)
- EERT 32005 Instrumentation (3)
- TECH 33016 PC/Network Engineering and Troubleshooting (3)

3. Select course from Kent Core Humanities and Fine Arts; students of the Tuscarawas Campus must take EERT 21010 or TECH 31010 Engineering and Professional Ethics due to ABET accreditation.
University Requirements: Applied and technical associate degree-seeking students must fulfill selected Kent Core (general education requirements). For more information about this requirement, please read the following section in the University Catalog: Kent Core – [www.kent.edu/catalog/kent-core](http://www.kent.edu/catalog/kent-core).

Attribute Legend: DD Diversity–Domestic; DG Diversity–Global; ELR Experiential Learning; KAD Kent Core Additional; KBS Kent Core Basic Sciences; KCM Kent Core Composition; KFA Kent Core Fine Arts; KHU Kent Core Humanities; KMC Kent Core Mathematics and Critical Reasoning; KSS Kent Core Social Sciences; WIC Writing Intensive