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<tr>
<th>First Year</th>
<th>Suggested Course plan</th>
<th>Prerequisites</th>
<th>Alternative Course Plan</th>
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<tbody>
<tr>
<td>Fall: 13 credit hours</td>
<td>EET 1001 (3) Electronics: An Introduction (F, S)</td>
<td>High school algebra</td>
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<td>MTH 1400 (4) Pre-Calculus (F, S, Su)</td>
<td>Appropriate placement test scores or prerequisite courses</td>
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<td>ENG 1010 (3) Freshman Composition: The Essay (F, S, Su)</td>
<td>Appropriate placement test score</td>
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<td>SPE 1010 (3) Public Speaking (F, S, Su)</td>
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<td><strong>TOTAL SEMESTER CREDIT HOURS:</strong></td>
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<td>Spring: 16 credit hours</td>
<td>EET 1140 (4) Circuits I (F, S)</td>
<td>Intermediate algebra course &amp; one-half years of secondary school algebra or equivalent &amp; appropriate math placement test scores or higher level math course with a grade of “C” or better</td>
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<td>MTH 1410 (4) Calculus I (F, S, Su)</td>
<td>Appropriate placement test scores or prerequisite courses</td>
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<td>ENG 1020 (3) Freshman Composition: Analysis, Research, &amp; Documentation (F, S, Su)</td>
<td>ENG 1010</td>
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<td>CHE 1100 (4) Principles of Chemistry AND CHE 1150 (1) Principles of Chemistry Laboratory (F, S, Su)</td>
<td>Minimum performance standard scores on placement tests</td>
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<td><strong>TOTAL SEMESTER CREDIT HOURS:</strong></td>
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<td><strong>Second Year</strong></td>
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<td><strong>Fall: 16 credit hours</strong></td>
<td>EET 1150 (4) Circuits II (F, S)</td>
<td>EET 1140 and MTH 1120 or MTH 1400 or higher level math course with grades C or better</td>
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<td>EET 2340 (3) Technical Programming Applications (F, S)</td>
<td>MTH 1400 or MTH 1110 &amp; MTH 1120 or higher level math course with a grade C or better</td>
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<td>MTH 2410 (4) Calculus II (F, S, Su)</td>
<td>MTH 1410 with a grade of C or better or permission of instructor</td>
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<td>PHY 2311 (4) General Physics I AND PHY 2321 (1) General Physics I Laboratory (F, S, Su)</td>
<td>MTH 1410, ENG 1010, Oral Communication</td>
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<tr>
<td><strong>Spring: 16 credit hours</strong></td>
<td>EET 2145 (4) Electronics (Students can take EET 290B lecture and EET 290C (must take at the same time) until curriculum changes) (F, S)</td>
<td>EET 1150 or EET 2000 &amp; either CHE 1100 or 1800 with grades C or better</td>
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<td>EET 2310 (3) Digital Circuits I (F, S)</td>
<td>Intermediate algebra course &amp; one-half years of secondary school algebra or equivalent &amp; appropriate math placement test scores or higher level math course with a grade of “C” or better</td>
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<td>EET 2350 (3) Advanced Technical Programming (F, S)</td>
<td>MTH 1400 or MTH 1110 &amp; MTH 1120 or higher level math course with a grade C or better</td>
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<td>COM 2610 (3) Introduction to Technical Writing (F, S, Su)</td>
<td>ENG 1010</td>
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<td>Arts and Humanities (3) (F, S, Su)</td>
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<td>Third Year</td>
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<tr>
<td><strong>Fall: 16 credit hours</strong></td>
<td>EET 3620 (3) Analog and Digital Communications (F)</td>
<td>MTH 2410 and either EET 2145 or EET 3010 with grades C or better</td>
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<td>EET 3410 (3) Electric Machines (F)</td>
<td>MTH 2410 and either EET 2145 or EET 3010 with grades C or better</td>
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<td>EET 3110 (4) Circuit Analysis with Laplace (F)</td>
<td>EET 1150 &amp; MTH 2410 with grades C or better</td>
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<td>EET 3330 (3) Digital Circuits II (F)</td>
<td>EET 2310 with a grade C or better</td>
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<td>Historical (3) HIS 1920, 3090, or 3590 are recommended (multicultural) (F, S, Su)</td>
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| Spring: 17 credit hours | EET 3120 (4) Advanced Analog Electronics (S) | EET 2145, 3110, and MTH 2410 with grades C or better |  |
| | EET 3630 (3) Electromagnetic Fields (S) | EET 3110, 3620 and MTH 2410 with grade C or better |  |
| | EET 3730 (2) Process Control Systems (S) | High school algebra or equivalent or appropriate math placement test scores |  |
| | EET 3740 (2) Programmable Logic Controllers (S) | High school algebra or equivalent |  |
| | EET 4370 (3) Microcontrollers (S) | EET 2350 and 3330 with grades C or better |  |
| | EET 4020 (3) Digital Circuits III-Hardware Description Language (S) | EET 2350 or permission of instructor & EET 3330 with grades C or better |  |
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<tr>
<td><strong>Fall: 17 credit hours</strong></td>
<td>PHI 1030 (3) Introduction to Ethics OR PHI 3360 (3) Business Ethics <em>(F, S, Su)</em></td>
<td>At least Junior standing</td>
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<td>EET 3715 (4) Control Systems Analysis <em>(F)</em></td>
<td>EET 3110, 3120, and MTH 2410 with grade C or better</td>
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<td>EET 4100 (1) Senior Project I <em>(F, S)</em></td>
<td>COM 2610, EET 3120 and 4370 with grades C or better; Completion of general studies with a cumulative GPA of 2.0; Senior Standing</td>
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<td>EET 4340 (3) Interface Techniques <em>(F)</em></td>
<td>EET 3330 and 4370 with grade C or better</td>
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<td>EET 3670 (3) Measurements for Communication Systems <em>(F)</em></td>
<td>EET 2340, 3620, &amp; MTH 2410 with grades C or better</td>
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<td>EET 4320 (3) Digital Filters <em>(F)</em> OR 3-cr EET elective chosen in consultation with &amp; approved by an EET advisor</td>
<td>EET 2340 &amp; 3110 with grades C or better</td>
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| Spring: 14 credit hours | EET 4110 (2) Senior Project II *(F, S)* | SPE 1010, EET 4100 and 4340 with grades C or better |  |
| | EET 4620 (3) Advanced Communications Systems *(S)* | EET 3620 with grade C or better |  |
| | Elective (3): must select one: CET 3120, 3280; CS 3700; EET 1300, 3800, 4320, 4630, or 4730 | See catalog or department |  |
| | Social & Behavioral Science I (3) IND 2810 recommended (global diversity) *(F, S, Su)* |  |  |
| | Social & Behavioral Science II (3) *(F, S, Su)* |  |  |
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