# Electrical Engineering

## Fall 2017 / UCC 17-106

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td><strong>Freshman</strong></td>
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<tr>
<td>ENGR 100 Engineering Seminar 1</td>
<td>1 ENGR120 Programming for Engineers 3</td>
</tr>
<tr>
<td>ENGR 110 Modeling</td>
<td>3 MAT212 Calculus 2</td>
</tr>
<tr>
<td>MAT 211 Calculus 1</td>
<td>4 PHY206 / 125 Physics 2 4</td>
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<tr>
<td>PHY 205 / 123 Physics 1</td>
<td>4 HCS 100 Human Communications 3</td>
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<tr>
<td>UNIV101 - First Year Seminar</td>
<td>3 ENG114 WIFYS 3</td>
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<tr>
<td><strong>Sophomore (Even)</strong></td>
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<tr>
<td>ENGR 200 Engineering Seminar 2</td>
<td>1 ELEC210 - Linear Circuit Analysis 4</td>
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<tr>
<td>CMPE 220 Computer Organization</td>
<td>4 PHY311 Quantum Physics 4</td>
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<tr>
<td>MAT225 Discrete Math</td>
<td>4 Gened #1 3</td>
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<tr>
<td>HIS105 - History 1</td>
<td>3 Gened #4 3</td>
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<tr>
<td>MAT 322 Differential Equations</td>
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<td><strong>Sophomore (Odd)</strong></td>
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<tr>
<td>ENGR 200 Engineering Seminar 2</td>
<td>1 ELEC310 - Signals &amp; Systems 4</td>
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<tr>
<td>MAT225 Discrete Math</td>
<td>4 PHY311 Quantum Physics 4</td>
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<tr>
<td>HIS105 History 2</td>
<td>3 Gened #1 3</td>
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<tr>
<td>MAT 322 Differential Equations</td>
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<td><strong>Upper Division Even</strong></td>
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<tr>
<td>CMPE322 Microcontroller &amp; Interfaces</td>
<td>4 CMPE420 Digital &amp; Reconfigurable 4</td>
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<td>MAT213 Calculus 3</td>
<td>4 CMPE499 Senior Capstone or General Education #2 3/2</td>
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<td>ENGR 300 Engineering Seminar 3</td>
<td>1 Gened #3 3</td>
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<tr>
<td>PHY 321 Electricity &amp; Magnetism</td>
<td>4 ELEC360 Communications 4</td>
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<tr>
<td>ELEC300 Foundations of Electronics / Gened #5</td>
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<tr>
<td><strong>Upper Division Odd</strong></td>
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<tr>
<td>MAT 375 Prob &amp; Statistics for Engineers</td>
<td>3 CMPE499 Senior Capstone or General Education #2 3/2</td>
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<td>ELEC300 Foundations of Electronics / Gened #5</td>
<td>4/3 ELEC310 - Signals &amp; Systems / Gened #4 4/3</td>
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<td>4 ENGR310 Statistical Process Control 3</td>
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<td>Gened #6</td>
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Upper Division Even: Academic years that have an even fall: 2018-2019, 2020-2021, 2022-2023
Upper Division Odd: Academic years that have an odd fall: 2017-2018, 2019-2020, 2021-2022