### RIT BS Core Program in Electrical Engineering (Final Release FS 2/10/2022)

<table>
<thead>
<tr>
<th>Year One</th>
<th>Year Two</th>
<th>Year Three</th>
<th>Year Four</th>
<th>Year Five</th>
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<tr>
<td><strong>PB Calc I</strong>&lt;br&gt;MATH-181&lt;br&gt;(4) All</td>
<td><strong>Mult &amp; Vect Calc</strong>&lt;br&gt;MATH-221&lt;br&gt;(4) All</td>
<td><strong>Diff Eq</strong>&lt;br&gt;MATH-231&lt;br&gt;(3) F,Sp</td>
<td><strong>Prob &amp; Stats</strong>&lt;br&gt;MATH-251&lt;br&gt;(3) F,Sp</td>
<td><strong>Comm Sys</strong>&lt;br&gt;EEE-494&lt;br&gt;(3) F, Sp</td>
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<td><strong>General Chem</strong>&lt;br&gt;CHMG-131&lt;br&gt;(3) F, Sp</td>
<td><strong>University Physics II</strong>&lt;br&gt;PHYS-212&lt;br&gt;(4) F,Sp</td>
<td><strong>Semi Dev I</strong>&lt;br&gt;EEE-280&lt;br&gt;(3) F,Sp</td>
<td><strong>Embedded Sys Design</strong>&lt;br&gt;EEE-420&lt;br&gt;(3) F,Sp</td>
<td><strong>Prof Elective</strong>&lt;br&gt;EEE-5xx&lt;br&gt;(3) F, Sp</td>
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<td><strong>Writing Seminar</strong>&lt;br&gt;UWRT-150&lt;br&gt;(3) F, Sp</td>
<td><strong>Perspective-2: Artistic</strong>&lt;br&gt;xxxx-nnn&lt;br&gt;(3) F, Sp</td>
<td><strong>Linear Sys</strong>&lt;br&gt;EEE-353&lt;br&gt;(4) F,Sp</td>
<td><strong>Classical Controls</strong>&lt;br&gt;EEE-414&lt;br&gt;(3) F,Sp</td>
<td><strong>Sr. Design I</strong>&lt;br&gt;EEE-497&lt;br&gt;(3) F, Sp</td>
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<td><strong>EE P roc</strong>&lt;br&gt;EEE-105&lt;br&gt;(1) F, Sp</td>
<td><strong>Comp Prob Solv</strong>&lt;br&gt;CMPR-271&lt;br&gt;(3) F,Sp</td>
<td><strong>Digital Electronics</strong>&lt;br&gt;EEE-380&lt;br&gt;(4) F,Sp</td>
<td><strong>Open Elective</strong>&lt;br&gt;EEE-5xx&lt;br&gt;(3) F, Sp</td>
<td><strong>Sr. Design II</strong>&lt;br&gt;EEE-498&lt;br&gt;(3) F, Sp</td>
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<td><strong>RIT 365</strong>&lt;br&gt;YOPS-10&lt;br&gt;(0) F</td>
<td><strong>Perspective-1: Global</strong>&lt;br&gt;xxxx-nnn&lt;br&gt;(3) F, Sp</td>
<td><strong>Advanced Prog</strong>&lt;br&gt;EEE-346&lt;br&gt;(3F, Sp)</td>
<td><strong>Immersion-1</strong>&lt;br&gt;xxxx-nnn&lt;br&gt;(3) F, Sp</td>
<td><strong>Immersion-2</strong>&lt;br&gt;xxxx-nnn&lt;br&gt;(3) F, Sp</td>
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<td><strong>Gen Ed Elective</strong>&lt;br&gt;xxxx-nnn&lt;br&gt;(3) F, Sp</td>
<td><strong>Perspective-3: Social</strong>&lt;br&gt;xxxx-nnn&lt;br&gt;(3) F, Sp</td>
<td><strong>Immersion-3</strong>&lt;br&gt;xxxx-nnn&lt;br&gt;(3) F, Sp</td>
<td><strong>Open Elective</strong>&lt;br&gt;EEE-5xx&lt;br&gt;(3) F, Sp</td>
<td><strong>Immersion-3</strong>&lt;br&gt;xxxx-nnn&lt;br&gt;(3) F, Sp</td>
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<td><strong>Perspective-4: Ethical</strong>&lt;br&gt;xxxx-nnn&lt;br&gt;(3) F, Sp</td>
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<td><strong>Total Credits</strong>: 17</td>
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### Profession Electives:

**Biomedical**
- EEE-530 Biomedical Instrumentation
- EEE-531 Biomedical Sensors & Transducers

**Digital & Computer Systems**
- EEE-520 Design of Digital Systems*
- EEE-521 Design of Computer Systems*

**Electromagnetic Microwaves and Antenna**
- EEE-517 Microwave Circuit Theory
- EEE-529 Antenna Theory & Design

**MEMs**
- EEE-689 Fundamentals of MEMs
- EEE-787 MEMs Evaluation

**Signal Processing**
- EEE-594 Sens Array Proc for Wireless Comm
- EEE-595 Optimization Methods for Engineers

**Co-op Requirements**: 48 Weeks
- EEE-499:
  - Summer after 2nd year & Fall of 3rd year
- Summer after 3rd year & Fall of 4th year

### Course Notes:
- At least two of the professional electives must be taken from Electrical Engineering Curriculum
- An approval is required from your student advisor for any professional elective from other engineering programs.
- Refer to your advisement report in SIS for a full list of professional electives