<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Lower and Junior Level Required Courses</th>
<th>SH</th>
<th>Grd</th>
<th>Trans Equiv</th>
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<tr>
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<td>Introduction to the Engineering Profession</td>
<td>1</td>
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<td>EGN 1007C</td>
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<td>General Physics Using Calculus III</td>
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<td>EEL 326L</td>
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<td>SPC 1603C</td>
<td>Linear Circuits I</td>
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**Indicates minimum "C" or better grade
* Indicates "C-" minimum required by the Gordon Rule

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Approved Cultural Foundations course:
- EEE 3307C Electronics I
- EEE 3342C Digital Systems
- EEL 3801C Computer Organization

Social Foundation - (6 SEM HRS)
- EEL 3470 Electromagnetic Fields

Junior Level Elective Courses (Choose 2)
- ECO 2013 or ECO 2023
- EEE 3550 Semiconductor Devices
- EEL 3552C Signal Analysis & Analog Communication

Science - 6 SH
- GEO 1200 or GEO 2370 (either GEO is preferred)
- BSC 1050C or BSC 1005C or GLY 1030

Senior Level Required Courses
- EEE 4309C Electronics II
- EEL 4742C Embedded Systems
- STS 3032 Probability & Statistics for Engineers

Recommended Senior Level Elective Courses
- EEL 4436C Microwave Engineering
- EEL 4438C Microwave Engineering

Engineering Core
- MAC 2311C Calculus with Analytic Geometry I
- MAC 2312C Calculus with Analytic Geometry II
- MAC 2313C Calculus with Analytic Geometry III
- MAP 3202C Ordinary Differential Equations I
- CHS 1440 Principles of Chemistry (or CHM 2045C)
- PHY 2048C General Physics Using Calculus I & Lab
- PHY 2049C General Physics Using Calculus II & Lab

GPA Gen Ed Prog = 36

(Choose Minimum 3 From List)
- EEL 4436C Microwave Engineering
- EEL 4438C Microwave Engineering
- EEL 4140C Analog Filter Design
- EEL 4512C Digital Communications
- EEL 4518 Satellite Communications
- EEL 5437C Microwave Engineering
- EEL 5462C Antenna Analysis and Design
- EEL 5439C RF and Microwave Communications
- EEE 5557 Introduction to Radar Systems
- EEL 5432 Satellite Remote Sensing
- EEE 5356C Fabrication of Solid State Devices
- EEE 5513 DSP Applications
- EEE 5265 Bio-Medical Effects and Applications of EM Energy
- EEE 5370 Operational Amplifiers
- EEE 5378 CMOS Analog and Digital Circuit Design
- Technical Electives (EIE or EEL 4XXX or 5XXX)

Senior Design I
- EEL 4914 Senior Design I
- EEL 4915L Senior Design II

Subtotal Sem Hrs = 71

--BS-MS students should choose (3 SH) 5000 level courses as electives.