**UNIVERSITY CORE REQUIREMENTS**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>GR</th>
<th>SH</th>
<th>AH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication (6 SH)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 1303 English Composition I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 1304 English Composition II</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Writing In the Discipline (3 SH)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TELS 3363 Technical Communication</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>History/Government (12 SH)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST 1376 or 1377 US History to 1877</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST 1378 or 1379 US History since 1877</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POLS 1336 US &amp; TX Const/Politics</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POLS 1337 US Government</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Language, Philosophy, &amp; Culture* (3 SH)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Creative Arts* (3 SH)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social/Behavioral Science* (3 SH)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Math/Reasoning- BS Special Requirement (14 SH)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 2300 Intro. C++ Programming</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1330 Precalculus</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1431 Calculus I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1432 Calculus II</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Students will be expected to place out of MATH 1310 by either Math Placement Exam, CLEP or have taken MATH 1310</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Life & Physical Sciences (11 SH)**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>GR</th>
<th>SH</th>
<th>AH</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 1301/1101 Intro. Gen. Phys I &amp; Lab</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 1302/1102 Intro. Gen. Phys II &amp; Lab</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 1301 Foundations of Chemistry</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DEPARTMENTAL AND COLLEGE REQUIREMENTS**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>GR</th>
<th>SH</th>
<th>AH</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Technology and College Core (10 SH)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TECH 3366 Appl. Numerical Methods</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TELS 3340 Org Leadership &amp; Supervision</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>or HDCS 3300 Organizational Decisions in Tech.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MECT 4188 Ethics in Engineering Tech</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MECT 3341 Computer Aided Drafting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>or Approved MECT elective</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Refer to class schedule for lists of courses which satisfy University requirements.

For graduation with Honors, see Undergraduate Catalog.

---

**MAJOR REQUIREMENTS**

© No grade lower than C- will be accepted for these courses.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>GR</th>
<th>SH</th>
<th>AH</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELET 1400 Circuit Theory I &amp; Lab</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 1401 Circuit Theory II &amp; Lab</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 2303 Digital Systems</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 2103 Digital Systems Lab</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 2305 Semiconductor Devices &amp; Ckts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 2105 Semiconductor Dev &amp; Ckts Lab</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 3301 Linear Systems Analysis©</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 3402 Communication Ckts.©</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 3403 Sensors Applications ©</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 3405 Microprocessor Arch©</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 3425 Embedded Systems©</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 4308 Senior Project©</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 4208 Senior Project Lab©</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 4421 Computer Networks©</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Pre-Approved Electives (Choose 12 SH)**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>GR</th>
<th>SH</th>
<th>AH</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELET 4300 Unix Operating Systems©</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 4302 Data Communications Sys©</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 4309 Object Oriented Appl Prog©</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 4315 Telecommunications©</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 4325 Adv Micro Networks©</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 4327 Optical Circuits©</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELET 4332 Physiological Sys Modeling©</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Approved Elective©</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Free Elective (3 SH)**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>GR</th>
<th>SH</th>
<th>AH</th>
</tr>
</thead>
</table>

Total hours required: 124 semester hours

**36 advanced (3000- or 4000-level) semester hours must be completed.**

TSI requirements must be met.

**Student**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Date</th>
</tr>
</thead>
</table>

**Advisor**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Date</th>
</tr>
</thead>
</table>

**Department Chair**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Date</th>
</tr>
</thead>
</table>

---

Fall 2014