## AU Requirement Table

<table>
<thead>
<tr>
<th>STUDY YEAR</th>
<th>MAJOR REQUIREMENTS</th>
<th>GENERAL EDUCATION REQUIREMENTS (GER)</th>
<th>UNRESTRICTED ELECTIVES (UE)</th>
<th>TOTAL</th>
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<td>CORE (C)</td>
<td>MAJOR PRESCRIBED ELECTIVE (P)</td>
<td>GER-CORE (GC)</td>
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<td>LIBERAL ARTS (LA)</td>
<td>SCIENCE, TECH. &amp; SOCIETY (STS)</td>
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### Curriculum Structure

#### YEAR 2 SEMESTER 1
- **EE2001** CIRCUIT ANALYSIS *: C 4
- **EE2004** DIGITAL ELECTRONICS *: C 4
- **MH2810** MATHEMATICS A: C 4
- **PH1012** PHYSICS A: C 4
- **HW0188** ENGINEERING COMMUNICATION I: GC 2
- **GC0001** SUSTAINABILITY: SEEING THRO THE HAZE: GC 1

**TOTAL** 19

#### YEAR 2 SEMESTER 2
- **EE1002** PHYSICS FOUNDATION FOR EEE *: C 4
- **EE2002** ANALOG ELECTRONICS *: C 4
- **EE2006** ENGINEERING MATHEMATICS I: C 4
- **EE2008** DATA STRUCTURES & ALGORITHMS *: C 4
- **EE2010** SIGNALS AND SYSTEMS *: C 4
- **EE2073** INTRO TO EEE DESIGN & PROJECT: C 2
- **ML0001** ABSOLUTE BASICS FOR CAREER: GC 1

**TOTAL** 23

#### YEAR 3 SEMESTER 1
- **EE3279** PROFESSIONAL INTERNSHIP: C 10
- **ML0002** CAREER POWER-UP: GC 1
- **ET0001** ENTERPRISE AND INNOVATION: GC 1
- **HY0001** ETHICS AND MORAL REASONING: GC 1

**TOTAL** 13

#### YEAR 3 SEMESTER 2
- **EE2003** SEMICONDUCTOR FUNDAMENTALS *: C 4 EE1002
- **EE2007** ENGINEERING MATHEMATICS II: C 4 MH2810
- **EE3001** ENGINEERING ELECTROMAGNETICS *: C 4 EE2007
- **EE3080** DESIGN & INNOVATION PROJECT: C 2
- **EE3xx** PRESCRIBED ELECTIVE 1 *: P 3
- **EE3xx** PRESCRIBED ELECTIVE 2 *: P 3
- **EE0002** ENGINEERS & SOCIETY: GC 3

**TOTAL** 23

### Note:
- * These courses have laboratory codes, ExxxxL. Students must register for the mandatory codes during the registration period.