

Please note: This flowchart is one example of how students can graduate in 3 years. We encourage students to this use as a tool in creating their own unique quarter by quarter graduation plan.

	YEAR 1			YEAR 2			YEAR 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
<p><b>Introduction to Electrical Engineering &amp; Lab</b> <b>EE 111 (1) &amp; EE 151 (1)</b> **</p> <p><b>This Transfer Student Flowchart assumes equivalents for the courses below have been transferred to Cal Poly. Anything not transferred in needs to be added to this flowchart, which may result in an additional quarter/s. Check your DPR to verify credit:</b></p> <ul style="list-style-type: none"> <li>▫ MATH 141</li> <li>▫ MATH 142</li> <li>▫ MATH 143</li> <li>▫ MATH 241</li> <li>▫ MATH 244</li> <li>▫ PHYS 141</li> <li>▫ PHYS 132</li> <li>▫ PHYS 133</li> <li>▫ CHEM 124</li> <li>▫ EE 112 (113)</li> <li>▫ EE 211</li> <li>▫ EE 241</li> <li>▫ CPE 101</li> <li>▫ ENGL 149 (A3)</li> <li>▫ BIO/BMED 213 (B2)</li> <li>▫ 9 UNITS OF APPROVED SUPPORT ELECTIVES***</li> </ul>	<p><b>Electric Circuit Analysis III &amp; Lab</b> <b>EE 212 (3) &amp; EE 242 (1)</b> (MATH 244, EE 211, 241)</p> <p><b>Digital Design</b> <b>CPE/EE 133 (4)</b> (EE 111 &amp; 151, CPE/CSC 101)</p> <p><b>Electronics Manuf. &amp; Circuit Analysis Lab</b> <b>EE 143 (1)^</b> (Math 142; Concurrent EE 113; Recom: EE 111, EE 151; PHYS 133)</p> <p><b>Modern Physics I</b> <b>PHYS 211 (4)</b> (PHYS 132; 133; MATH 241; Recom: MATH 242 or 244)</p>	<p><b>Semiconductor Device Electronics &amp; Lab</b> <b>EE 306 (3) &amp; EE 346 (1)</b> (CHEM 124; EE 212 &amp; 242; EE 143 or IME 156 or IME 458; PHYS 211; Recom: ENGL 134)</p> <p><b>Computer Design &amp; Assembly Language Programming</b> <b>CPE/EE 233 (4)</b> (CPE/EE 133)</p> <p><b>Continuous-Time Signals &amp; Systems</b> <b>EE 228 (4)</b> (BMED 355; or EE 212, 242; Recom: MATH 241)</p> <p>any remaining support or GE not transferred in</p>	<p><b>Digital Electronics &amp; Integrated Circuits &amp; Lab</b> <b>EE 307 (3) &amp; EE 347 (1)</b> (CPE/EE 133, EE 306 &amp; 346, CPE/EE 233*)</p> <p><b>Classical Control Systems &amp; Lab</b> <b>EE 302 (3) &amp; EE 342 (1)</b> (EE 228; Recom: EE 368)</p> <p><b>Probability and Random Processes for Engineers</b> <b>STAT 350 (4)</b> (MATH 241, EE 228) [B6]</p> <p>any remaining support or GE not transferred in</p>	<p><b>Analog Electronics &amp; Integrated Circuits &amp; Lab</b> <b>EE 308 (3) &amp; EE 348 (1)</b> (EE 302 &amp; 342, EE 307 &amp; 347)</p> <p><b>Discrete Time Signals &amp; Systems &amp; Lab</b> <b>EE 328 (3) &amp; EE 368 (1)</b> (BMED 355 or EE 228)</p> <p><b>Choose one:</b> <b>Programmable Logic &amp; Micro-processor-Based Sys. Design</b> <b>EE 329 (4)*</b> OR <b>Microprocessor System Design</b> <b>EE 336 (4)*</b></p> <p>Graduation Writing Requirement <b>GWR*</b> (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)</p>	<p><b>Electronic Design &amp; Lab</b> <b>EE 409 (3) &amp; EE 449 (1)</b> (EE 308 &amp; 349; CPE/EE 328 &amp; 368; or CPE 327 &amp; 367; CPE/EE 329 or 336 or CPE 316)</p> <p><b>Introduction to Communication Systems</b> <b>EE 314 (3)</b> (STAT 350)</p> <p><b>Upper-Division C (4)**</b> (combine with USCP requirement if still needed)</p> <p>any remaining support or GE not transferred in</p>	<p><b>Electromagnetic Fields &amp; Transmission &amp; Lab</b> <b>EE 335 (4) &amp; EE 375 (1)</b> (EE 201 and 251; or EE 212 and 242; and MATH 243)</p> <p><b>Energy Conversion Electromagnetics &amp; Lab</b> <b>EE 255 (3) &amp; EE 295 (1)</b> (EE 212 &amp; 242 or EE 201 &amp; 251)</p> <p>any remaining support or GE not transferred in</p> <p>any remaining support or GE not transferred in</p>	<p><b>Technical Elective (3)<sup>3</sup></b> ***</p> <p><b>Senior Project Preparation</b> <b>EE 460 (2)<sup>2</sup></b> (EE 314, 335, EE 409† &amp; 449†)</p> <p><b>Electromagnetic Waves</b> <b>EE 402 (4)</b> (EE 335)</p> <p>any remaining support or GE not transferred in</p>	<p><b>Technical Elective (4)<sup>3</sup></b> ***</p> <p><b>Choose One Series<sup>2</sup>:</b> <b>Senior Project I &amp; II</b> <b>EE 461 (2)</b> (EE 409, 449, 460) OR <b>EE 462 (2)</b> (EE 461) <b>Senior Project II &amp; Design Lab I</b> <b>EE 463 (2)</b> (EE 409, 449, 460) OR <b>EE 464 (2)</b> (EE 409, 449, 460)</p> <p>any remaining support or GE not transferred in</p> <p>any remaining support or GE not transferred in</p>	<p><b>Technical Elective (4)<sup>3</sup></b> ***</p> <p>any remaining support or GE not transferred in</p> <p>any remaining support or GE not transferred in</p>
	13	12+	12+	12	11+	9+	9+	6+	6+

**Notes:**

**MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET**

\* Refer to current catalog for prerequisites.

\*\*Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).

\*\*\* Refer to current catalog for course selection.

USCP requirement can be satisfied by some (but not all) courses within GE categories: C1, Upper-Division C, D1, D2, D Elective, or E

**SOME EE COURSES WILL NEED TO BE ENROLLED IN BY PERMISSION NUMBER ONLY. MAKE SURE TO READ ALL THE SECTION NOTES IN SCHEDULE BUILDER EACH QUARTER TO IDENTIFY THESE COURSES.**

† Course can be taken previously or concurrently.

^ Or can take IME 156

<sup>2</sup> ENGR 459, ENGR 460 and ENGR 461 (6) may substitute for the series EE 460, EE 461 and EE 462 (6) or the series EE 460, EE 463 and EE 464 (6).

<sup>3</sup> See catalog for course options. Consultation with advisor is recommended prior to selecting technical electives or approved electives; bear in mind your selections may impact pursuit of post-baccalaureate studies and/or goals. No course credits may be used simultaneously to satisfy both engineering support and technical elective requirements.

**Legend:**

Course Title	Major
Course # (Units) (Prerequisite)	Support
[GE Area]	General Ed.