

**Suggested 3-Year Academic Flowchart for Transfer Students Admitted Fall 2022**

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.

Updated 6/28/2022

This Transfer Student Flowchart assumes equivalents for the courses below have been transferred to Cal Poly. Anything not transferred, needs to be added to this flowchart, which may result in an additional quarter/s. Check your DPR to verify credit:			YEAR 1			YEAR 2			YEAR 3			
			Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	
<div><div></div><div>MATH 141</div><div></div><div>MATH 142</div><div></div><div>MATH 143</div><div></div><div>MATH 241</div><div></div><div>MATH 244</div><div></div><div>PHYS 141</div><div></div><div>PHYS 132</div><div></div><div>PHYS 133</div><div></div><div>CHEM 124</div><div></div><div>EE 201</div><div></div><div>EE 251</div><div></div><div>MATE 210</div><div></div><div>ME 211</div><div></div><div>ME 212</div><div></div><div>BIO/BMED 213 (B2) or Any GE B2</div></div>	<div><div></div><div>GE AREA A1</div></div>	<div><div></div><div>GE AREA A2</div></div>	<div><div></div><div>GE AREA A3^</div></div>	<div><div></div><div>GE AREA C1</div></div>	<div><div></div><div>GE AREA C2</div></div>	<div><div></div><div>GE AREA LOWER-DIVISION C ELECTIVE</div></div>	<div><div></div><div>GE AREA D1</div></div>	<div><div></div><div>GE AREA D2</div></div>	<div><div></div><div>GE AREA D ELECTIVE</div></div>	<div><div></div><div>GE AREA E</div></div>		
	<div><div>Aerospace Fundamentals</div><div>AERO 121 (2)</div></div>	<div><div>Introduction to Aerospace Design</div><div>AERO 215 (2)</div><div>(AERO 121; MATH 143; Rec: IME 144)</div></div>	<div><div>Aerospace Thermodynamics</div><div>AERO 299 (4)</div><div>(ME 212; AERO 300†; Recom: AERO 215)</div></div>	<div><div>Aerospace Fluid Mechanics</div><div>AERO 302 (4)</div><div>(ME 212; AERO 300†; Rec: AERO 215; 299 or 301)</div></div>	<div><div>Aerospace Structural Analysis I</div><div>AERO 331 (4)</div><div>(AERO 300; CE 207 or 208; ME 212)</div></div>	<div><div>Aerospace Structural Analysis II</div><div>AERO 431 (4)</div><div>(AERO 331)</div></div>	<div><div>Experimental Stress Analysis</div><div>AERO 433 (1)</div><div>(AERO 331, 431)</div></div>	<div><div>Aerospace Systems Senior Laboratory</div><div>AERO 465 (1)</div><div>(AERO 303, 320, 431, Sr standing)</div></div>	<div><div>Aeronautics Approved Electives (4)*<sup>1</sup></div></div>			
	<div><div>Mechanics of Materials I</div><div>CE 204 (3)<sup>2</sup></div><div>(ME 211)</div></div>	<div><div>Aerospace Systems Engineering &amp; Integration</div><div>AERO 220 (1)</div><div>(AERO 121)</div></div>	<div><div>Aerospace Engineering Analysis</div><div>AERO 300 (5)</div><div>(AERO 215, MATH 244, ME 211, PHYS 133)</div></div>	<div><div>Fundamentals of Dynamics and Control</div><div>AERO 320 (4)</div><div>(AERO 300; ME 212)</div></div>	<div><div>Aerospace Gas Dynamics and Heat Transfer</div><div>AERO 303 (4)</div><div>(AERO 299 or 301; 302)</div></div>	<div><div>Fundamentals of Systems Engineering</div><div>AERO 350 (2)</div><div>(AERO 220)</div></div>	<div><div>Aerospace Engineering Professional Preparation</div><div>AERO 460 (1)</div><div>(Sr. standing)</div></div>	<div><div>Aeronautics Approved Electives (4)*<sup>1</sup></div></div>	<div><div>Aeronautics Approved Electives (4)*<sup>1</sup></div></div>			
	<div><div>Any remaining support course or GE not transferred</div></div>	<div><div>Mechanics of Materials II</div><div>CE 207 (2)<sup>2</sup></div><div>(CE 204)</div></div>	<div><div>Any remaing support course or GE not transferred</div></div>	<div><div>Experimental Sensors, Actuators &amp; Control</div><div>AERO 321 (1)</div><div>(AERO 300, Rec: EE 201 &amp; EE 251)</div></div>	<div><div>Aircraft Dynamics &amp; Control</div><div>AERO 420 (4)</div><div>(AERO 306 and 320)</div></div>	<div><div>Experimental Aerodynamics</div><div>AERO 307 (2)</div><div>(AERO 302, 306, Any GE A3 or ENGL 149)</div></div>	<div><div>Aircraft Design I</div><div>AERO 443 (3)</div><div>(IME 144, AERO 215, 306, 350, 405, 420, 431, Concur: AERO 401)</div></div>	<div><div>Aircraft Design II</div><div>AERO 444 (3)</div><div>(AERO 443)</div></div>	<div><div>Aircraft Design III</div><div>AERO 445 (3)</div><div>(AERO 444)</div></div>			
	<div><div>Introduction to Design &amp; Manufacturing</div><div>IME 144 (4)</div></div>			<div><div>Aerodynamics &amp; Flight Performance</div><div>AERO 306 (4)</div><div>(AERO 215; AERO 299 or 301. Concur: AERO 302)</div></div>		<div><div>Supersonic &amp; Hypersonic Aerodynamics</div><div>AERO 405 (4)</div><div>(AERO 303; AERO 306 or 353 or 355)</div></div>	<div><div>Propulsion Systems</div><div>AERO 401 (5)</div><div>(AERO 303, CHEM 124)</div></div>	<div><div>Any remaining support course or GE not transferred</div></div>	<div><div>Any remaining support course or GE not transferred</div></div>			
	<div><div>Statistical Methods for Engineers</div><div>STAT 312 (4)*</div><div>(MATH 142)</div><div>[Upper-Division B]</div></div>			<div><div>Upper-Division GE C (4)**</div><div>(combine with USCP requirement if still needed)</div></div>			<div><div>Any remaining support course or GE not transferred</div></div>					
	<div><div>Graduation Writing Requirement GWR*</div><div>(Must be fulfilled before graduation by either enrolling in a GWR-approved, upper-division English course (which can double-count with the Upper Division C) OR by completing the GWR Portfolio through enrolling in UNIV 401. GWR courses are searchable on Schedule Builder).</div></div>											
	13+			13+			13			13		
	12			12			12			10+		
	8+			8+			11+			11+		

**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).

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

†Course can be taken previously or concurrently.

<sup>1</sup>Consultation with advisor is recommended prior to selecting approved electives; bear in mind your selections may impact pursuit of postbaccalaureate studies and/or goals.

<sup>2</sup>CE 208 (5) may be taken in place of CE 204 (3) & CE 207 (2) to expedite the series.

^ENGL 149 has been discontinued. For those who still need to take this requirement, you will need to replace this requirement with any GE A3 course.

**Legend:**

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