

**B.S. in AEROSPACE ENGINEERING  
(Astronautical Concentration)**  
Suggested 3-Year Academic Flowchart for Transfer Students

Updated 5/4/2023

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.

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:		YEAR 1			YEAR 2			YEAR 3		
		Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
<input type="checkbox"/> MATH 141	<input type="checkbox"/> GE AREA A1	Aerospace Fundamentals <b>AERO 121 (2)</b>	Introduction to Aerospace Design <b>AERO 215 (2)</b> <small>(AERO 121; MATH 143; Recom: IME 144)</small>	Aerospace Thermodynamics <b>AERO 299 (4)</b> <small>(ME 212; AERO 300†; Recom: AERO 215)</small>	Aerospace Fluid Mechanics <b>AERO 302 (4)</b> <small>(ME 212; AERO 300†; Rec: AERO 215; 299 or 301)</small>	Aerospace Structural Analysis I <b>AERO 331 (4)</b> <small>(AERO 300; CE 207 or 208; ME 212)</small>	Aerospace Structural Analysis II <b>AERO 431 (4)</b> <small>(AERO 331)</small>	Experimental Stress Analysis <b>AERO 433 (1)</b> <small>(AERO 331, 431)</small>	Aerospace Systems Senior Laboratory <b>AERO 465 (1)</b> <small>(AERO 303, 320, 431, Sr Standing)</small>	
<input type="checkbox"/> MATH 142	<input type="checkbox"/> GE AREA A2	Mechanics of Materials I <b>CE 204 (3)<sup>2</sup></b> <small>(ME 211)</small>	Aerospace Systems Engineering & Integration <b>AERO 220 (1)</b> <small>(AERO 121)</small>	Aerospace Engineering Analysis <b>AERO 300 (5)</b> <small>(AERO 215; MATH 244; ME 211; PHYS 143)</small>	Fundamentals of Dynamics and Control <b>AERO 320 (4)</b> <small>(AERO 300; ME 212)</small>	Aerospace Gas Dynamics and Heat Transfer <b>AERO 303 (4)</b> <small>(AERO 299 or AERO 301; AERO 302)</small>	Space Environments II <b>AERO 356 (3)</b> <small>(AERO 299 or 301; 355)</small>	Aerospace Engineering Professional Preparation <b>AERO 460 (1)</b> <small>(Sr Standing)</small>	Astronautics Approved Electives (4)* <sup>1</sup>	Astronautics Approved Electives (4)* <sup>1</sup>
<input type="checkbox"/> MATH 143	<input type="checkbox"/> GE AREA C1									
<input type="checkbox"/> MATH 241	<input type="checkbox"/> GE AREA C2									
<input type="checkbox"/> MATH 244	<input type="checkbox"/> GE AREA LOWER-DIVISION C ELECTIVE									
<input type="checkbox"/> CHEM 124	<input type="checkbox"/> GE AREA D1									
<input type="checkbox"/> EE 201	<input type="checkbox"/> GE AREA D2									
<input type="checkbox"/> EE 251	<input type="checkbox"/> GE AREA D ELECTIVE									
<input type="checkbox"/> MATE 210	<input type="checkbox"/> GE AREA E									
<input type="checkbox"/> ME 211										
<input type="checkbox"/> ME 212										
<input type="checkbox"/> PHYS 141										
<input type="checkbox"/> PHYS 142 (formerly PHYS 132)										
<input type="checkbox"/> PHYS 143 (formerly PHYS 133)										
<input type="checkbox"/> GE AREA A3 (formerly ENGL 149^)										
<input type="checkbox"/> BIO/BMED 213 (B2) or Any GE B2										

**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> If you have equivalent credit for CE 204, but not CE 207, then take CE 207. If you need both, you can take CE 208 (5). This course combines 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)	
(Prerequisite)	
[GE Area]	
	<b>Major</b>
	<b>Support</b>
	<b>Concentration</b>
	<b>General Ed.</b>