

Updated 3/29/2023

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, needs to be added to this flowchart, which may result in an additional quarter/s. Check your DPR to verify credit: <input type="checkbox"/> MATH 141 <input type="checkbox"/> GE Area A1 <input type="checkbox"/> MATH 142 <input type="checkbox"/> GE Area A2 <input type="checkbox"/> MATH 143 <input type="checkbox"/> GE Area A3 <input type="checkbox"/> MATH 241 <input type="checkbox"/> GE Area C1 Arts <input type="checkbox"/> MATH 244 <input type="checkbox"/> GE Area C2 Humanities <input type="checkbox"/> PHYS 141 <input type="checkbox"/> GE Area C Lower-Division Elective <input type="checkbox"/> PHYS 142 <input type="checkbox"/> GE Area D1 American Institutions <input type="checkbox"/> PHYS 143 <input type="checkbox"/> GE Area D Elective <input type="checkbox"/> CHEM 124 <input type="checkbox"/> GE Area E Lower-Division <input type="checkbox"/> EE 201 <input type="checkbox"/> GE Area F Ethnic Studies <input type="checkbox"/> EE 251 <input type="checkbox"/> MATE 210 <input type="checkbox"/> ME 211 <input type="checkbox"/> ME 212 <input type="checkbox"/> GE Area B2 Life Science		YEAR 1			YEAR 2			YEAR 3		
		Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
		Aerospace Fundamentals AERO 121 (2)	Introduction to Aerospace Design AERO 215 (2) <small>(AERO 121; MATH 143. Recom: IME 144)</small>	Aerospace Thermodynamics AERO 299 (4) <small>(ME 212; AERO 300†; Recom: AERO 215)</small>	Aerospace Fluid Mechanics AERO 302 (4) <small>(ME 212; AERO 300†. Rec: AERO 215; 299 or 301)</small>	Aerospace Structural Analysis I AERO 331 (4) <small>(AERO 300; CE 207 or 208; ME 212)</small>	Aerospace Structural Analysis II AERO 431 (4) <small>(AERO 331)</small>	Experimental Stress Analysis AERO 433 (1) <small>(AERO 331, 431)</small>	Aerospace Systems Senior Laboratory AERO 465 (1) <small>(AERO 303, 320, 431, Sr. Standing)</small>	
		Mechanics of Materials I CE 204 (3)² <small>(ME 211)</small>	Aerospace Systems Engineering & Integration AERO 220 (1) <small>(AERO 121)</small>	Aerospace Engineering Analysis AERO 300 (5) <small>(AERO 215; MATH 244; ME 211; PHYS 143)</small>	Fundamentals of Dynamics and Control AERO 320 (4) <small>(AERO 300; ME 212)</small>	Aerospace Gas Dynamics and Heat Transfer AERO 303 (4) <small>(AERO 299 or 301; 302)</small>	Spacecraft Attitude Dynamics & Control AERO 421 (4) <small>(AERO 320 & 351)</small>	Aerospace Engineering Professional Preparation AERO 460 (1) <small>(Sr. Standing)</small>	Astronautics Approved Electives (4)^{*1}	Astronautics Approved Electives (4)^{*1}
		Any remaining support course or GE not transferred	Mechanics of Materials II CE 207 (2)² <small>(CE 204)</small>	Any remaining support course or GE not transferred	Experimental Sensors, Actuators & Control AERO 321 (1) <small>(AERO 300. Recom: EE 201 & EE 251)</small>	Fundamentals of Systems Engineering AERO 350 (2) <small>(AERO 220)</small>	Spacecraft Electrical & Electrical Systems AERO 446 (4) <small>(ME 212; EE 201 & 251; AERO 353 or 355)</small>	Spacecraft Design I AERO 447 (3) <small>(IME 144; AERO 215; 303; 350; 351; 420 or 421; 431; 446, 402†. Recom: AERO 353 or 355)</small>	Spacecraft Design II AERO 448 (3) <small>(AERO 447)</small>	Spacecraft Design III AERO 449 (3) <small>(AERO 448)</small>
		Introduction to Design & Manufacturing IME 144 (4)			Introduction to Orbital Mechanics AERO 351 (4) <small>(AERO 300 & ME 212)</small>	Space Environments I AERO 355 (3) <small>(AERO 300)</small>	Space Environments II AERO 356 (3) <small>(AERO 299 or 301; 355)</small>	Spacecraft Propulsion Systems AERO 402 (5) <small>(AERO 303; AERO 353 or AERO 355; CHEM 124)</small>	Any remaining support course or GE not transferred	Any remaining support course or GE not transferred
		Statistical Methods for Engineers STAT 312 (4)* <small>(MATH 142)</small> <small>[Upper Division B]</small>		Upper-Division GE Area C (4)** <small>(combine with USCP requirement if still needed)</small>				Any remaining support course or GE not transferred		
		Graduation Writing Requirement GWR* <small>(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. GWR courses are searchable on Schedule Builder).</small>								
		13+	9+	13	13	13	15	10+	8+	7+

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, D Elective and E.

†Course can be taken previously or concurrently.

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

² 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) & 207 (2) to expedite series.

Legend:

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