CAL POLY
SAN LUIS OBISPO

B.S. in INDUSTRIAL ENGINEERING

Suggested 2-Year Academic Flowchart for Transfers Students Admitted Fall 2022

2020-2021 Catalog
Unofficial

Please note: This flowchart is one example of how students can graduate in 2 years. Many times transfer students need longer than this. We encourage students to use this 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 additonal quarter/s. Check your DPR to verify credit:

- ☐ MATH 141
- ☐ MATH 142
- ☐ MATH 143
- ☐ MATH 241
- ☐ MATH 244
- ☐ PHYS 141
- ☐ PHYS 132
- ☐ PHYS 133
- ☐ CHEM 124
- ☐ MATE 210
- ☐ MATE 215
- ☐ ME 211
- ☐ ME 212
- ☐ CE 204
- ☐ EE 201
- ☐ EE 251
- ☐ CSC 232
- ☐ PSY 201 or 202 (E)
- ☐ ENGL 149^ (A3) or ENGL 147
- ☐ BIO/BMED 213 (B2)

- ☐ GE AREA A1
- ☐ GE AREA A2
- ☐ GE AREA C1
- ☐ GE AREA C2
- ☐ GE AREA LOWER-DIVISION C
- ☐ GE AREA D1
- ☐ GE AREA D2
- ☐ GE AREA D ELECTIVE

YEAR 1			YEAR 2		
Fall	Winter	Spring	Fall	Winter	Spring
Intro to IE and MFGE **IME 101 (1)**	*Intro to Design & Manufacturing* **IME 144 (4)**	*Human Factors Engineering* **IME 319 (3)** (PSY 201 or 202; Jr Standing)	*Senior Design Project I* **IME 481 (2)[2]** (IME 326 or 327; IME 314 or 315; IME 301 or 330. Recom: IME 303, IME 410 or 418; IME 420 or 342; and IME 430; completion of all IME 300 level	*Senior Design Project II* **IME 482 (2)[2]** (IME 481; IME 342 or IME 420. Recom: IME 417; IME 429; IME 443 or IME 450)	*Senior Design Project III* **IME 483 (2)[2]** (IME 482)
Mfg. Proc: Net Shape **IME 141 (1)**	*Operations Research I* **IME 301 (4)** (MATH 244)	*Data Management & System Design* **IME 312 (4)** (CSC 232)	**Approved Technical Elective (4)[1]**	**Approved Technical Elective (4)[1]**	*Supply Chain & Logistics Management* **IME 417 (4)** (IME 342 or 410)
Process Improvement Fundamentals **IME 223 (4)** (MATH 141, Recom: IME 101)	*Intro to Enterprise Analytics* **IME 212 (4)** (CSC 232)	*Engineering Test Design & Analysis* **IME 326 (4)** (STAT 321 w/C- or better)	*Simulation* **IME 420 (4)** (IME 305; 326 or 327)	*Production Planning & Control Systems* **IME 410 (4)** (IME 342 or 305)	*Quality Engineering* **IME 430 (4)** (IME 326, 327, 503, STAT 302, or 312)
Financial Decision Making for Engineers **IME 315 (3)** (MATH 142)	**GE Upper-Division C (4)**** (combine with USCP if still needed)	*Basic Electronics Manufacturing* **IME 156 (2)**	*Applications of Enterprise Analytics* **IME 372 (4)** (IME 212, 312, 326 & MATH 244)	*Ergonomics Laboratory* **IME 429 (1)** (IME 319 & 326 or 327)	**Approved Technical Elective (2)[1]**
Probability & Stats for Engineers & Scientists **STAT 321 (4)** (MATH 142) [Upper-Division B]		*Operations Research II* **IME 305 (4)** (IME 301 and STAT 321 or STAT 312)		*Facilities Planning & Design* **IME 443 (4)** (IME 144; 223; 314 or 315; & 305 or 342. Recom: IME 319 & 420)	**Approved Technical Elective (3)[1]**
Graduation Writing Requirement GWR* (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.)					
13	16	17	14	15	15

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, or E

† Course can be taken previously or concurrently.

[1] Select from Category A (8-13 units) & Category B (0-5 units). See catalog for Technical Elective options. Consultation with a faculty advisor is recommended prior to selecting Technical Electives.

[2] ENGR 459, ENGR 460, and ENGR 461 (6 units) or ENGR 463, ENGR 464, and ENGR 465 (6 units) may substitute for IME 481, IME 482, IME 483 (6 units)

^ENGL 149 has been discontinued. For those who still need to take this requirement, you will need to take ENGL 147

Legend:

Course Title
Course # (Units)
(Prerequisite)
[GE Area]

- **Major**
- **Support**
- **General Ed.**