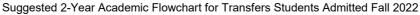
## **B.S. in INDUSTRIAL ENGINEERING**





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.

	YEAR 1			YEAR 2		
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:	Fall  Intro to IE and MFGE  IME 101 (1)	Winter  Intro to Design & Manufacturing  IME 144 (4)	Spring  Human Factors Engineering  IME 319 (3)  (PSY 201 or 202; Jr Standing)	Fall  Senior Design Project I  IME 481 (2) <sup>2</sup> (IME 340 or 32); IME 314 or 315; IME 301 or 330, Recom: IME 303, IME 410 or 418; IME 420 or 342; and IME 430;	Winter  Senior Design Project II  IME 482 (2) <sup>2</sup> (IME 481; IME 342 or IME 420, Recom: IME 417; IME 429; IME 443 or IME 450)	Spring  Senior Design Project III  IME 483 (2) <sup>2</sup> (IME 482)
" MATH 141 " GE AREA A1 " MATH 142 " GE AREA A2 " MATH 143 " GE AREA C1 " MATH 241 " GE AREA C2	Mfg. Proc: Net Shape IME 141 (1)	Operations Research I IME 301 (4)	Data Management & System Design IME 312 (4) (CSC 232)	Approved Technical Elective (4) <sup>1</sup>	Approved Technical Elective (4) <sup>1</sup>	Supply Chain & Logistics Management IME 417 (4)  (IME 342 or 410)
" MATH 244 " GE AREA LOWER-DIVISION C " PHYS 132 " GE AREA D1 " PHYS 133 " GE AREA D2 " CHEM 124 " GE AREA D ELECTIVE	Process Improvement Fundamentals IME 223 (4)  (MATH 141, Recom: IME 101)  Financial Decision Making for Engineers	Intro to Enterprise Analytics IME 212 (4)  (CSC 232)  GE Upper- Division C (4)** (combine with	Engineering Test Design & Analysis IME 326 (4) (STAT 321 w/C- or better)  Basic Electronics Manufacturing IME 156 (2)	Simulation  IME 420 (4)  (IME 305; 326 or 327)  Applications of Enterprise Analytics  IME 372 (4)	Production Planning & Control Systems IME 410 (4)  (IME 342 or 305)  Ergonomics Laboratory IME 429 (1)	Quality Engineering IME 430 (4) (IME 436, 327, 503, STAT 302, or 312)  Approved Technical Elective (2)¹
MATE 215  ME 211  ME 212  CE 204  EE 201  EE 251	IME 315 (3)  (MATH 142)  Probability & Stats for Engineers & Scientists  STAT 321 (4)  (MATH 142) [Upper-Division B]	USCP if still needed)	Operations Research II IME 305 (4) (IME 301 and STAT 321 or STAT 312)	(IME 212, 312, 326 & MATH 244)	(IME 319 & 326 or 327)  Facilities Planning & Design  IME 443 (4) (IME 144; 223; 314 or 315; & 305 or 342. Recom: IME 319 & 420)	Approved Technical Elective (3) <sup>1</sup>
CSC 232 PSY 201 or 202 (E) ENGL 149^ (A3) or ENGL 147 BIO/BMED 213 (B2)			Graduation Writing or enrolling in a GWR-approperties the GWR Portfoll 17	oved, upper-division Er	nglish course (which can	

## Notes:

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

\* Refer to current catalog for prerequisites.

## Legend:

<sup>\*\*</sup>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

<sup>†</sup> Course can be taken previously or concurrently.

<sup>&</sup>lt;sup>1</sup> 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.

<sup>&</sup>lt;sup>2</sup> 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)

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