This Transfer Student Flowchart assumes that 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:

- **MATH 141**  
  - GE AREA A1
- **MATH 142**  
  - GE AREA A2
- **MATH 143**  
  - GE AREA C1
- **MATH 241**  
  - GE AREA C2
- **MATH 244**  
  - GE AREA LOWER-DIVISION C ELECTIVE
- **PHYS 141**
- **PHYS 132**  
  - GE AREA D1
- **PHYS 133**  
  - GE AREA D ELECTIVE
- **CHEM 124**  
  - GE AREA E
- **CHEM 125**  
  - GE AREA F
- **MATE 210**
- **MATE 215**
- **ME 211**
- **ME 212**
- **CE 204**
- **EE 201**
- **EE 251**
- **CSC 232**
- **ENGL 147** of Any GE Area A3
- **BIO/BMED 213** (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).

### Suggested 2-Year Academic Flowchart for Transfers Students Admitted Fall 2023

<table>
<thead>
<tr>
<th>YEAR 1</th>
<th></th>
<th>YEAR 2</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Winter</strong></td>
<td><strong>Spring</strong></td>
<td><strong>Fall</strong></td>
</tr>
</tbody>
</table>
| Intro to IE and Manufacturing  
IME 101 (1) | Basic Electronics Manufacturing  
IME 156 (2) | Computer-Aided Manufacturing  
IME 355 (4)  
(MATH 241, IME 244 or ME 251 and IME 143 or IME 146)  
& CSC 101, 232, 234 | Product-Process Design  
IME 418 (4)  
(Sr. standing. Recom: IME 450) | Manufacturing Process & Tool Engineering  
IME 450 (4)  
(MATH 244, IME 330)  
Recom: IME 335 |
| Manufacturing Processes: Net Shape  
IME 141 (1) | Intermediate Design and Manufacturing  
IME 244 (2)  
(DIME 144 Cores:  
MATE 210/215) | Test Design & Analysis in Manufacturing Engineering  
IME 327 (4)  
(STAT 321 w/min C- or Instr. consent; or ME 236) | Manufacturing Automation  
IME 356 (4)  
(EE 321) |
| Intro. To Design & Manufacturing  
IME 142 (2) | Choose One:  
Engineering Economics  
IME 314 (3)  
(MATH 241)  
OR  
Financial Decision Making for Engrs.  
IME 315 (3)  
(MATH 142) | Manufacturing Systems Integration  
IME 342 (4)  
(MATH 241, IME 223, and STAT 321) | Senior Design Project I  
IME 481 (2)  
*  
(IME 482)  
*  
(IME 483)  
*  
(MFGE 342)  
*  
 | Senior Design Project II  
IME 482 (2)  
*  
(IME 482)  
* |
| Process Improvement Fundamentals  
IME 223 (4)  
(MATH 141, Recm: IME 101) | Electronics  
EE 321 (3)  
(EE 201) | Thermodynamics  
IME 302 (3)  
(MATH 112 and PHYS 132) | Fundamentals of Manufacturing Engineering  
IME 330 (4)  
(MATH 141 or ITP 341; IME 142, CE 204 or CE 208, MATE 210, MATE 215, ITP 344 and ME 251 and IME 143 or IME 146) | Approved Technical Elective  
(3)  
(3)  
(3)  
(3)  
(3)  
| Probability and Statistics for Engineers and Scientists  
STAT 321 (4)  
(MATH 142)  
(Upper Division B) | GE Upper-Division C  
(4)**  
(combined with USCP if still needed) | Graduation Writing Requirement  
GWR* | Approved Technical Elective  
(3)  
(3)  
(3)  
(3)  
(3)  

### Spring

<table>
<thead>
<tr>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
</tr>
</thead>
</table>
| Manufacturing Process & Tool Engineering  
IME 450 (4)  
(MATH 244, IME 330)  
Recom: IME 335 |
| Manufacturing Automation  
IME 356 (4)  
(EE 321) |
| Senior Design Project II  
IME 482 (2)  
*  
(IME 482)  
* |
| Approved Technical Elective  
(3)  
(3)  
(3)  
(3)  
(3)  
| Approved Technical Elective  
(3)  
(3)  
(3)  
(3)  
(3)  
| Approved Technical Elective  
(3)  
(3)  
(3)  
(3)  
(3)  

### 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.)

### 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).

### Additional Information:

- **13 units Technical Electives required. Select from Category A (8-13 units) & B (0-5 units). See catalog for course options. Consultation with faculty advisor recommended prior to selecting courses. Courses may not be used to satisfy other major, support, or general education requirements (no double-counting).**
- **ENGR 459, 460, 461 (6 units) or ENGR 463, 464, 465 (6) may substitute for IME 481, 482, 483 (6)**

### Legend:

- **Course # (Units)**
- **(Prerequisite)**

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*Support and guidance will be provided during the transition to ensure you graduate as planned.*

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*Semester transition starts Fall 2023.*