## B.S. in AEROSPACE ENGINEERING
(Astronautical Concentration)

### Suggested 3-Year Academic Flowchart for Transfer Students

Please note: This flowchart is one example of how students can graduate in 3 years. 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 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  =  GE AREA D1
- PHYS 132  =  GE AREA D2
- PHYS 133  =  GE AREA D ELECTIVE
- CHEM 124  =  GE AREA E
- EE 251
- MATE 210
- ME 211
- ME 212
- ENGL 149 (A3)
- BIO/BMED 213 (B2)

### Flowchart

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Aerospace Fundamentals</td>
<td>Introduction to Aerospace Design</td>
<td>Aerospace Thermodynamics</td>
</tr>
<tr>
<td></td>
<td>AERO 121 (2)</td>
<td>AERO 215 (2) (AERO 215, MATH 143, MATE 144, Recom: 201, 111)</td>
<td>AERO 299 (3) (MATH 212, AERO 300, Recom: 215)</td>
</tr>
<tr>
<td></td>
<td>Mechanics of Materials I</td>
<td>Aerospace Systems Engineering &amp; Integration</td>
<td>Aerospace Engineering Analysis</td>
</tr>
<tr>
<td></td>
<td>CE 204 (3) (CE 204)</td>
<td>AERO 220 (1) (AERO 220)</td>
<td>AERO 300 (5) (AERO 300; ME 211, MATH 244)</td>
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<tr>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Year 2</td>
<td>Fall</td>
<td>Winter</td>
<td>Spring</td>
</tr>
<tr>
<td></td>
<td>Aerospace Fluid Mechanics</td>
<td>Aerospace Gas Dynamics and Heat Transfer</td>
<td>Aerospace Structural Analysis II</td>
</tr>
<tr>
<td></td>
<td>AERO 302 (4) (MATH 212, AERO 300, Recom: 215)</td>
<td>AERO 303 (4) (AERO 303)</td>
<td>AERO 431 (4) (AERO 431)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Year 3</td>
<td>Fall</td>
<td>Winter</td>
<td>Spring</td>
</tr>
<tr>
<td></td>
<td>Aerospace Systems Senior Laboratory</td>
<td>AEROSPACE ELECTIVE</td>
<td>Astronautics Approved Electives (4)*1</td>
</tr>
<tr>
<td></td>
<td>AERO 465 (1) (AERO 303, 325, 471, Sr Standing)</td>
<td>AERO 485 (4) (AERO 485)</td>
<td>AERO 466 (1) (AERO 466)</td>
</tr>
</tbody>
</table>

### Notes:

- MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET
- **Refer to online catalog for 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.
- Consultation with advisor is recommended prior to selecting approved electives; bear in mind your selections may impact pursuit of postbaccalaureate studies and/or goals.
- ††GE not transferred support course or GE not transferred
- †‡ Any remaining support course or GE not transferred
- †‡‡ Any remaining support course or GE not transferred
- [GE Area] Concentration
- [Major] Major
- [Support] Support
- [General Ed.] General Ed.

### Suggested 3-Year Academic Flowchart for Tranfer Students

![Flowchart Image]

**Legend:**

- **Course Title**
- **Course # (Units)** (Prerequisites)
- **Major**
- **Support**
- **GE Area**
- **Concentration**
- **General Ed.**