



## 2020 Suggested Courses for Aerospace Engineering (AERO) 2020 – 2021 Catalog

### 1) Major course options:

- **May already be fulfilled with transfer credit; check prerequisites**
- AERO 121 (2)\*: Aerospace Fundamentals (required in fall 2020)
- EE 201 (3) & EE 251 (1): Electric Circuit Theory and Laboratory
- CE 204 (3)\*: Mechanics of Materials I  
or CE 207 (2)\*: Mechanics of Materials II
  - If you have taken equivalent to CE 204 but not CE 207, enroll in CE 207.
  - If you still need CE 204 and CE 207, you can take them separately over two quarters OR enroll in CE 208 (5): Mechanics of Materials, which is designed specifically for transfers students this fall quarter. This course combines CE 204 and CE 207.
- Many AERO courses are only offered once a year; for planning purposes, refer to the [Catalog Website](#) or [Terms Typically Offered Website](#) for the term courses are typically offered.

### 2) Support course options:

- **May already be fulfilled with transfer credit; check prerequisites**
- IME 144 (4)\*: Introduction to Design and Manufacturing (recommended in fall 2020)  
IME 144 is a prerequisite for winter quarter courses. If you are unable to obtain IME 144 fall quarter, take it as soon as you can, and work with the AERO department during winter quarter registration to get permission to take AERO 215 & 220.
- ME 211 (3)\*: Engineering Statics  
or ME 212 (3)\*: Engineering Dynamics
- MATE 210 (3): Materials Engineering
- STAT 312 (4): Statistical Methods for Engineers
- BIO 213 (2) & BMED 213 (2): Life Science for Engineers and Bioengineering Fundamentals

\*Course is required or strongly recommended in fall due to course availability or prerequisites

^Course should be taken as soon as possible

### 3) General Education (GE) course options:

- **May already be fulfilled with transfer credit; check prerequisites**
- Any remaining lower division GE course(s).
- Upper Division C
- The [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 registering for the Writing Proficiency Examination (WPE). GWR courses are searchable on Schedule Builder.

- The [United States Cultural Pluralism \(USCP\) requirement must be satisfied before graduation.](#) USCP courses may double-count with a remaining GE requirement and are searchable on Schedule Builder.

**4) Additional notes:**

- Recommended that you enroll in 12 – 16 units.
- Pay close attention to the prerequisites for AERO 299 & AERO 300 (which you will take in spring).
- Concentrations: we encourage you to declare your concentration during your first year.  
[Concentration options for your major](#)  
[Instructions for declaring your concentration](#)

**5) Engineering Student Services:**

Engineering Advising | Multicultural Engineering Program | International Exchange Program

Location: Building 40, Room 115

Phone: 805-756-1461

[Email](#)

[Website](#)

**6) AERO Department:**

Location: Building 41A, Room 134

Phone: 805-756-7172

[Email](#)

[Website](#)

Undergraduate faculty advisor: Kira Abercromby

[Email](#)

Location: Building 41, Room 131

**Permission Numbers for Major and Support Courses**

- Departments may issue [permission numbers](#) which are special codes used for students to enroll in classes that have seats reserved for majors, or to override registration errors. For permission numbers or help registering in AERO courses, contact Kendra Bubert at [kbubert@calpoly.edu](mailto:kbubert@calpoly.edu), (805) 756-6345.