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 
     o If you have taken equivalent to CE 204 but not CE 207, enroll in CE 207. 
     o 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. 
   • Most AERO courses are only offered once a year; for planning purposes, refer to the following 
     sites for the term courses are typically offered: 
     http://catalog.calpoly.edu/coursesaz/aero/ 
     https://registrar.calpoly.edu/term-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): [https://writingandlearning.calpoly.edu/gwr](https://writingandlearning.calpoly.edu/gwr). 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: [http://catalog.calpoly.edu/generalrequirementsbachelorsdegree/#uscptext](http://catalog.calpoly.edu/generalrequirementsbachelorsdegree/#uscptext)

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: [http://catalog.calpoly.edu/collegesandprograms/collegeofengineering/aerospaceengineering/bsaerospaceengineering/](http://catalog.calpoly.edu/collegesandprograms/collegeofengineering/aerospaceengineering/bsaerospaceengineering/)
  Instructions for declaring your concentration: [https://eadvise.calpoly.edu/majors/Aerospace-Engineering](https://eadvise.calpoly.edu/majors/Aerospace-Engineering)

5) **Engineering Student Services:**
- Engineering Advising | Multicultural Engineering Program | International Exchange Program
- Location: Building 40, Room 115
- Phone: 805-756-1461
- Email: eadvise@calpoly.edu
- Website: [https://eadvise.calpoly.edu/transfer-students/](https://eadvise.calpoly.edu/transfer-students/)

6) **AERO Department:**
- Location: Building 41A, Room 134
- Phone: 805-756-7172
- Email: aero@calpoly.edu
- Website: [https://aero.calpoly.edu/](https://aero.calpoly.edu/)
  - Undergraduate faculty advisor: Kira Abercromby
  - Email: kabercro@calpoly.edu
  - Location: Building 41, Room 131