# B.S. in AEROSPACE ENGINEERING

## Suggested 4-Year Academic Flowchart

### Fall
- **Aerospace Fundamentals**
  - AERO 121 (2)
- **General Physics I**
  - PHYS 141 (4)
- **General Chemistry for Physical Science & Engineering I**
  - CHEM 124 (4)

### Winter
- **Calculus I**
  - MATH 141 (4)
- **Linear Analysis I**
  - ENGL 149 (4)

### Spring
- **Aerospace Fundamentals**
  - AERO 121 (2)
- **General Physics IIA**
  - PHYS 143 (4)
- **General Chemistry for Physical Science & Engineering I**
  - CHEM 124 (4)

### Fall
- **Aerospace Fundamentals**
  - AERO 121 (2)
- **General Physics IIA**
  - PHYS 143 (4)
- **General Chemistry for Physical Science & Engineering I**
  - CHEM 124 (4)

### Winter
- **Calculus II**
  - MATH 142 (4)
- **Linear Analysis I**
  - ENGL 149 (4)

### Spring
- **Aerospace Fundamentals**
  - AERO 121 (2)
- **General Physics IIA**
  - PHYS 143 (4)
- **General Chemistry for Physical Science & Engineering I**
  - CHEM 124 (4)

### Fall
- **Introduction to Aerospace Design**
  - AERO 215 (2)
- **Engineering Statics**
  - ME 211 (3)
- **Engineering Dynamics**
  - ME 212 (3)

### Winter
- **Aerospace Systems Engineering & Integration**
  - AERO 220 (1)
- **Electrical Circuit Theory & Lab**
  - EE 201 (3)
- **Linear Analysis I**
  - MATH 244 (4)

### Spring
- **Fundamentals of Mechanics I**
  - ME 204 (3)
- **Electric Circuit Theory & Lab**
  - EE 201 (3)
- **Graduation Writing Requirement**
  - GWR*

### Fall
- **Materials Engineering**
  - MATE 210 (3)
- **Aerospace Engineering Analysis**
  - AERO 300 (5)
- **Aerospace Gas Dynamics & Heat Transfer**
  - AERO 303 (4)

### Winter
- **Fundamentals of Dynamics and Control**
  - STAT 312 (4)
- **Aerospace Systems Analysis I**
  - AERO 331 (4)
- **Aerospace Engineering Professional Preparation**
  - AERO 460 (1)

### Spring
- **Fundamentals of Systems Dynamics & Control**
  - AERO 330 (2)
- **Aerospace Engineering**
  - AERO 431 (4)
- **Aerospace Structural Stress Analysis**
  - AERO 433 (1)

### Total Units: 190

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*Please visit the International Center to learn about Cal Poly affiliated programs and the types of courses that can be taken abroad. Because AERO course are offered once a year, summer programs tend to work the best to stay on track. If you are extending your graduation, meet with an IEP advisor to discuss your options.