Aerospace Engineering Emphasis

First Year
- PHYS 1110: 4 units, Fall or Spring
  General Physics 1
- GEEN ASEN 1400: 3 units, Fall or Spring
  First Year Engineering Projects or Gateway to Space
- GEEN 3810P: 5 units, Fall
  Special Topics: Engineering Mathematics
- APPM 1350: 4 units, Fall or Spring
  Calculus 1 for Engineers
- CHEM 1221: 4 units, Fall or Spring
  General Chemistry for Engineers
- APPM 1320: 4 units, Fall or Spring
  Calculus 2 for Engineers

Sophomore Year
- CSCI 1520: 4 units, Fall or Spring
  Introduction to Engineering Computing
- CHEM 1221: 4 units, Fall or Spring
  General Chemistry for Engineers
- CHEM 1221: 4 units, Fall or Spring
  General Chemistry for Engineers
- APPM 2350: 4 units, Fall or Spring
  Calculus 3 for Engineers
- APPM 2360: 4 units, Fall or Spring
  Linear Algebra and Differential Equations

- ASEN 2012: 3 units, Fall only
  Experimental and Computational Methods in AES
- ASEN 2001: 4 units, Fall only
  Materials Science for Aerospace Engineers
- ASEN 2002: 4 units, Fall only
  Intro Thermodynamics and Aerodynamics

- ASEN 2003: 6 units, Spring only
  Intro Statics, Structures and Materials
- ASEN 2004: 6 units, Spring only
  Intro Dynamics and Systems
- ASEN 2005: 6 units, Spring only
  Aerospace Vehicles

Junior Year
- PHYS 1120: 4 units, Fall or Spring
  General Physics 2
- ASEN 3500: 4 units, Fall only
  Aerospace Vehicles
- GEEN 2400: 3 units, Fall or Spring
  Engineering for the Community
- GEEN 3400: 1 unit Fall or Spring, with PHYS 1120
  Experimental Physics
- ASEN 3113: 4 units, Fall only
  Thermodynamics and Heat Transfer

- ASEN 3110: 4 units, Fall
  Aerodynamics (F)
- ASEN 3112: 4 units, Spring
  Structures (F)
- ASEN 3120: 4 units, Fall
  Aircraft Dynamics (S)
- ASEN 3200: 4 units, Spring
  Aircraft Dynamics (S)

- ASEN 4010: 4 units, Fall or Spring
  Elective, H&S course or concentration
- ASEN 4020: 4 units, Spring only
  Elective, H&S course or concentration
- ASEN 4030: 4 units, Spring only
  Senior Projects 1: Design Synthesis
- ASEN 4040: 4 units, Spring only
  Senior Projects 2: Design Practicum

Senior Year
- Elective, H&S course or concentration
- Elective, H&S course or concentration
- Elective, H&S course or concentration
- Elective, H&S course or concentration

* Course substitutions exist. Please consult with your academic advisor.
Flowchart last updated on 11/5/2018