

## **AE Specialty: Aircraft Flight Dynamics**

*The following courses are suggested for AE majors who want their degree to reflect their interest in developing a deep understanding of the coupling between aircraft motion, stability, and flight control system design.*

### **Math:**

- MATH 4581 – Classical Mathematical Methods in Eng.

### **AE Options:**

- AE 4802 Configuration Aerodynamics and Flight Performance
- AE 4803 Rotorcraft Aeromechanics
- AE 4580 – Introduction to Avionics Integration

### **Free Electives:**

- MATH3670 – Probability and Statistics with Applications
- MATH 4305 – Topics in Linear Algebra
- ME 2016 – Computing Techniques
- CS 2340/2345 – Programming Language (C++ or Python)