Requirements for a Concentration in Aerospace Engineering

Engineering majors planning to pursue a concentration in Aerospace Engineering should declare their intent as early as possible to facilitate course planning, and in no case later than May 1 of the junior year.

The concentration in Aerospace Engineering can be earned by any student in the College of Engineering by fulfilling the following requirements:

1. Four courses (16 credits) selected from the following list. Students are expected to obtain the necessary background (prerequisites or equivalents) to complete their concentration courses.

   **Courses:** (Choose four)
   - ENG ME 406 – Dynamics of Spaceflight
   - CAS AS 414 – Solar and Space Physics
   - ENG EC 470 – Sensors in Space
   - ENG ME 421 – Aerodynamics
   - ENG ME 425 – Compressible Flow & Propulsion
   - ENG ME 403 – Atmospheric Flight Mechanics and Control
   - ENG ME 408 – Aircraft Performance & Design

2. **Experiential Component Requirement:** Completion of a well-defined experiential component in the aircraft or spacecraft area. A senior design project, laboratory research, industrial internship or a directed study can satisfy this requirement. This requirement must be approved by the Concentration Coordinator and the Experiential Component Approval form must be submitted to the Undergraduate Records Office. After its completion, a written summary of the experiential component must also be submitted for approval (see Experiential Component Approval form and/or college Aerospace concentration webpage: [http://www.bu.edu/eng/academics/programs/concentrations/aerospace/](http://www.bu.edu/eng/academics/programs/concentrations/aerospace/) for more information).