

Aerospace Concentration in Mechanical Engineering

The Aerospace concentration in Mechanical Engineering provides students an opportunity to concentrate on engineering and scientific issues associated with aircraft, spacecraft, and space exploration. The Aerospace concentration consists of the 112-credit hour MEEG core, plus the following 12 hours of elective courses:

- I. Completion of two of the following courses:
 1. MEEG 4503 - Introduction to Flight
 2. MEEG 4433 - Aerospace Propulsion
 3. MEEG 4523 – Astronautics
 4. MEEG 5503 – Advanced Fluid Dynamics
 5. MEEG 5533 – Fundamentals of Aerodynamics

- II. 2. Completion of two additional courses from the following list:
 1. MEEG 4503 - Introduction to Flight;
 2. MEEG 4903H – Honors Research (aerospace related and with prior approval);
 3. MEEG 491V – Special Topics (aerospace related and with prior approval);
 4. MEEG 492V – Special Projects (aerospace related and with prior approval);
 5. MEEG 4433 - Aerospace Propulsion;
 6. MEEG 4523 - Astronautics;
 7. MEEG 5503 – Advanced Fluid Dynamics;
 8. MEEG 5533 – Fundamentals of Aerodynamics;
 9. MEEG 5473 - Radiation Heat Transfer;
 10. ASTR 4033 - Astrophysics I: Stars and Planetary Systems;
 11. ASTR 4043 Astrophysics II: Galaxies and the Large-Scale Universe;
 12. GEOS 4413 - Principles of Remote Sensing;
 13. SPAC 5033 - Planetary Systems; SPAC 5313 - Planetary Atmospheres

Approved by MEEG Faculty on 08/17/2017