AEROSPACE CONCENTRATION
(12 Credits)

A mechanical engineering degree with the aerospace engineering concentration recognizes the expertise of students in subjects related to aerospace applications and to the aerospace industry, which provides many career opportunities for mechanical engineering graduates. Students who meet the requirements of this concentration will have expertise in aerodynamics, propulsion, and structures, supplemented by other strengths in the core Mechanical Engineering degree program.

To complete a Bachelor of Science degree in mechanical engineering with an aerospace engineering concentration, students must complete the requirements for the B.S. degree, including:

- **ME 440** Aerospace Propulsion 3 credits (Fall Only)
- **ME 441** Aerodynamics and Aircraft Performance 3 credits (Spring Only)
- **ME 475*** Computer Aided Design of Structures 3 credits (Fall Only)

plus one course from the following list:

- **ME 422** Introduction to Combustion 3 credits (Fall Only)
- **ME 426** Introduction to Composite Materials 3 credits (Spring Only)
- **ME 433** Computational Fluid Dynamics 3 credits (Spring Only)
- **ME 442*** Turbomachinery 3 credits (Spring Only)
- **ME 464** Intermediate Dynamics 3 credits (Spring Only)

CREDIT DISTRIBUTION: The 12 credits in the concentration will be applied to the Senior Elective requirement (including the “design intensive” course component). Completion of the concentration will be noted on the final transcript.

The asterisk (*) signifies that the course is design intensive.