A. Program Educational Objectives

Within a few years of earning the baccalaureate degree in Aerospace Engineering at the University of Cincinnati our graduates are expected to achieve one or more of the following objectives:

1. Develop successful careers as aerospace engineers; demonstrate professional engineering competence via promotions and/or positions of increasing responsibility.
2. Successfully complete or pursue graduate education in engineering and related fields, participate in professional development and/or industrial training courses and/or obtain engineering certification.
3. Participate in research and development, and other creative and innovative efforts in science, engineering and technology, and/or pursue entrepreneurial endeavors.
4. If not in an aerospace engineering career, successfully transition into an education, business, legal, medical or government career.
5. Demonstrate a commitment to the community and profession through involvement with community and/or professional organizations.

ABET Definition: Student Outcomes describe what students are expected to know and be able to do by the time of graduation. These relate to the knowledge, skills, and behaviors that students acquire as they progress through the program.

B. Student Outcomes

The student outcomes for the UC Aerospace Engineering program are:

1. An ability to apply knowledge of mathematics, science, and engineering to problems in aerospace disciplines.
2. An ability to design and conduct experiments, as well as to analyze and interpret data.
3. An ability to design an aerospace system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
4. An ability to function on multi-disciplinary teams.
5. An ability to identify, formulate and solve engineering problems in the aerospace disciplines.
6. An understanding of professional and ethical responsibility.
7. An ability to communicate effectively in written and oral presentation.