University of Rhode Island

Mechanical Engineering and Applied Mechanics Outcomes

A. Graduates will have ability to apply knowledge of mathematics, science, and engineering.

B. Graduates will have ability to design and conduct experiments as well as to analyze and interpret data

C. Graduates will have ability to design a mechanical system, component or process and a thermal/fluid system, component or process to meet desired needs. They will also have demonstrated that they can perform such designs subject to appropriate realistic constraints. These may include economic, environmental, social, political, and ethical constraints among others.

D. Graduates will have an ability to function on multi-disciplinary teams.

E. Graduates have an ability to formulate and solve engineering problems

F. Graduates have an understanding of professional and ethical responsibility

G. Graduates will have an ability to communicate effectively using written and oral methods

H. Graduates have a broad education necessary to understand the impact of engineering solutions in a global economic, environmental, and social context.

I. Graduates have a recognition of the need for, and an ability to engage in, lifelong learning.

J. Graduates have knowledge of contemporary issues.

K. Graduates have an ability to use the techniques, skills and modern tools necessary for engineering practice

L. A significant portion of graduates (approximately 20%) will have completed one of our International Engineering Programs in German, French or Spanish.