ME 1001: Introduction to Mechanical Engineering

2 Credit Hours

This course is an introduction to Engineering, with a focus on Mechanical Engineering. A strong emphasis will be placed on techniques for undergraduate student success, and preparation for careers in engineering and/or graduate studies. Students will be introduced to engineering faculty and student organizations. Kennesaw State University and Mechanical Engineering Program policies and curricula will be discussed.

ME 1001L: Introduction to Mechanical Engineering Lab

1 Credit Hours

Prerequisite: ENGR 1000

This course is an introduction to the discipline of mechanical engineering. Students will receive a flavor of what to expect in the Mechanical Engineering curriculum and careers in mechanical engineering. This includes a preview of key mechanical engineering topics with an emphasis on their use within the profession. Students will also have the opportunity to work on teams completing reverse and forward mechanical engineering design projects.

ME 1311: MATLAB for Engineers with Applications

3 Credit Hours

Prerequisite: MATH 1190

Concurrent: ME 1001L

This course will provide an introduction to fundamental computing principles and programming concepts. Students will use the high-level programming language, MATLAB to develop and implement programs to solve engineering problems. Basic programming concepts covered include: algorithm design, data types, flow control, functions, sorting, plotting, simulation, and numerical methods.

ME 2290: Special Topics in Mechanical Engineering

1-4 Credit Hours

This course covers special topics at the intermediate level that are not in the regular course offerings. This course may be taken more than once.