



Introduction to Engineering

Length: Semester

Credits: 0.5

Introduction to Engineering provides students with an overview of the field of engineering and the primary processes and procedures used by engineers. Student explore engineering careers and their impacts on society, and they learn how mathematics and science are used in the field of engineering. They examine different engineering disciplines, the engineering design process, and various engineering styles and methods used in the field. Students take part in hands-on learning as they work through a real-life design problem and solve it through the steps of the engineering design process. The course concludes with a student-created presentation to demonstrate their solution to the design problem. Introduction to Engineering is an excellent addition to a STEM-centered curriculum. Students must have completed Algebra I as a prerequisite and must possess basic spreadsheet, word processing, and presentation software knowledge.