Engineering (ENG)

ENG 100 - EXPLORING ENGINEERING
Semester Hour: 1
Exploring engineering fundamentals and disciplines via the design and development of a payload for a UAH designed spacecraft. Included are lectures and design laboratories that introduce the engineering design process, application of math and science, and presentation skills.

ENG 101 - INTRO COMPUTING ENGINEERS
Semester Hours: 3
Introduces students to the fundamental principles of programming for solving engineering problems. It familiarizes students with the process of computational thinking and the translation of real-life engineering to computational problems. Languages may include Matlab, Python, and others as appropriate. Prerequisites: MA 113 w/concurrency or Math placement level 2000.

ENG 105 - INTRODUCTION TO AERONAUTICS
Semester Hour: 1
Introduction to a variety of aviation subjects, including flight physiology, computer systems, aerodynamics, aeronautics, jet propulsion, thermodynamics, navigation, and survival skills. Lectures and simulated missions. Offered in cooperation with U.S. Space & Rocket Center. Prerequisite: Available only to high-school students with U.S. citizenship enrolled in Aviation Challenge® Mach III.

ENG 109 - ENG ORG
Semester Hour: 1
Immersive experience with an Engineering Student Organization to develop an interest in engineering as a profession. Participate in a semester project, develop leadership and team work skills, give back to the community, network with professionals, and learn engineering design skills.