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 171.

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 and Rocket Center. Open only to high-school students enrolled in Aviation Challenge Mach III.