

ENGINEERING TECHNOLOGIES (ENGR)

ENGR 120, INTRODUCTION TO ENGINEERING 1 (2)

An introductory course designed to promote students' academic, social, and career skills by studying the practice of engineering and engineering technology in the modern world. Profiles of real engineers and technicians practicing in the field, their job tasks, life styles, and career growth are discussed. How to succeed in the classroom through open-ended problem solving activities, how to gain hands-on experience through lab exercises and work-based learning, and how to function on a team in an academic environment are discussed while touring the engineering technology laboratories. Laboratory required. (A special fee will be assessed.)

General Education: GE01, GE02, GE04

Typically Offered: Fall and Spring Semesters

ENGR 268, ENGINEERING STATISTICS 3 (3)

This course introduces the student to the areas of probability theory and statistical inferences as they relate to the engineering profession. Topics include: sample spaces, the concept of random variable distributions, functions of random variables, transformation of variables, moment generating functions, sampling and estimation theory, T, F, Chi-Square distribution. (TAG)

General Education: GE07

Course Entry Requirement(s): Prerequisite: MTHM 281

Typically Offered: Fall and Spring Semesters

ENGR 299, INDIVIDUALIZED STUDIES IN ENGINEERING 1-3 (1)

An in-depth study of areas in engineering presented by discussion and/or individual research and reading. Topics will vary. Repeatable up to six (6) times for a total of six (6) credit hours.

Course Entry Requirement(s): Prerequisite: Second-year standing and division approval

Typically Offered: Offer as required