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: IN1, IN2, IN4

ENGR 199, INTRODUCTION TO THE WORLD OF WORK - ENGR 1 (1)
This course provides an internship-level supervised work experience with an approved employer. Emphasis is on career exploration to maximize sound career decisions. Students also explore the role of a college education in career preparation. Focus on self- examination of the world of work in terms of values, skills, and interests. Exploration of occupational paths for all majors, disciplines, examination of employer-employee expectations, preparation of resumes and development of interviewing skills are covered. Prerequisite: A student must have completed a minimum of 12 semester credit courses at LCCC (courses transferred are not counted), have earned minimum 2.0 overall GPA; OR have division approval. (Maximum three 1" credit courses allowed.
Course Entry Requirement(s): A student must have completed a minimum of 12 semester credit courses at LCCC (courses transferred are not counted, have earned minimum 2.0 overall GPA; OR have division approval.

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. This course is co-listed with MTHM 268.
General Education: IN1
Course Entry Requirement(s): Prerequisite: MTHM 281
Typically Offered: Fall and Spring Semesters

ENGR 299, INDIVIDUALIZED STUDIES IN ENGINEERING 1-2 (1)
An in-depth study of areas of engineering through discussion and/or individual research and reading. Topics will vary. Repeatable up to a total of four (4) credit hours.
Course Entry Requirement(s): Prerequisite: Second-year standing and divisional approval
Typically Offered: Offer as required