

ENGINEERING TECHNOLOGY (ENTC)

ENTC 1500 Technical Skills Development 4 s.h.

A course designed to develop the technical, analytical and problem solving skills of students planning to enter an engineering or technical course of study. Three (3) hours of lecture and three (3) hours lab per week. Grading is A, B, C, NC.

Prereq. or concurrent: MATH 1501.

ENTC 1501 Introduction to Engineering Technology 2 s.h.

Understanding what engineering technology is, exploring careers for engineering technicians, time management and adjusting to the college environments, basic Excel functions and uses, performing labs and writing lab reports, writing class reports/term papers.

ENTC 1505 Engineering Technology Concepts 4 s.h.

The role of the technician, technologist, engineer and scientist in the technology team; a study of basic mathematical, scientific, and communicative techniques as applied to the work of engineering technologists; ethical, global, and societal issues facing the engineering technology professional. Three hours lecture, three hours lab per week. Grading is A, B, C, NC. Corequisite MATH 1513.

Prereq.: grade of "B" in both ENTC 1500 and MATH 1507.

ENTC 2615 Design Project 3 s.h.

The student undertakes a project designed to utilize principle methods studied in previous courses. The subject of the project is determined jointly by the student and instructor and developed formally by the student. The course is normally taken during the final stages of the student's program.

Prereq.: Consent of instructor.

ENTC 3799 Professional Practice in Engineering Technology 1 s.h.

This course provides students with cooperative education experiences in various engineering technology disciplines. To receive credit for the course, the student is expected to work at the assignment a minimum of 400 hours, submit a report of activities, and obtain approval of the department Professional Practice Committee. Course may be repeated up to a maximum of 3 s.h. toward the BSAS. Students are considered full-time even though only 1 s.h. is given for each course. Grading: PR, CR, NC.

Prereq.: Consent of department chairperson.

ENTC 4895 Independent Engineering Technology Project 1-4 s.h.

Individual study under direction of a faculty member. Written and oral report required. May be repeated for a maximum of 4 s.h.

Prereq.: Junior standing, consent of instructor, and prior approval of the project by the IETP committee of engineering technology faculty.