

ENGINEERING TECHNOLOGY (ENTC)

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.

Prereq.: Grade of "C" or better in MATH 1510 or 1510C or higher.

Prereq. or Coreq.: MATH 1511 or 1511C or 1513.

ENTC 1510 The History of Engineering 3 s.h.

This course explores the historical development of engineering from ancient times to the present day. Students will examine key innovations, the evolution of engineering disciplines, major engineers and their contributions, and how engineering has shaped society and vice versa. This course counts as a General Education Art and Humanities course.

Gen Ed: Arts and Humanities.

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.