

ENGINEERING & SCIENCE (ENGR)

ENGR 502 Microcomputer Wordprocessing 1 Credit hour

ENGR 503 Microcomputer Telecommunicati 1 Credit hour

ENGR 504 Microcomputer Database Appl 1 Credit hour

ENGR 509 Microcomputer Applications 3 Credit hours

ENGR 511 Technical Seminars 3 Credit hours

ENGR 570 Finite Elements 3 Credit hours

Theory and applications of the finite element method to problems in the area of static and dynamic structural analysis, heat transfer, fluids, and analogous solution.

Attributes: No Textbook Required

Grade Mode: Normal Grading Mode

ENGR 610 Applied Statistics 3 Credit hours

Practical application of statistical techniques to decision-making, forecasting, optimization, experimental design. Interpretation of data using central tendency and dispersion, t-test, F-test, variance analysis, correlation, and linear regression.

Grade Mode: Normal Grading Mode

ENGR 620 Computer Applications 3 Credit hours

Introduction to current software technology to solve problems of interest to technical professionals. Covers the use of tables, databases, modeling, curve fitting, and solution of equations.

Grade Mode: Normal Grading Mode

ENGR 650 Special Topics 1-4 Credit hours

Formal study of engineering topics of current interest. (PR: Consent)

Grade Mode: Normal Grading Mode

ENGR 651 Special Topics 1-4 Credit hours

Formal study of engineering topics of current interest. (PR: Consent)

Grade Mode: Normal Grading Mode

ENGR 652 Special Topics 1-4 Credit hours

Formal study of engineering topics of current interest. (PR: Consent)

Grade Mode: Normal Grading Mode

ENGR 653 Special Topics 1-4 Credit hours

Formal study of engineering topics of current interest. (PR: Consent)

Grade Mode: Normal Grading Mode

ENGR 670 Advanced Stress Analysis 3 Credit hours

Three-dimensional stress and strain, failure criteria, advanced topics in structural mechanics, energy methods, introduction to the theory of elasticity, fundamentals of fracture mechanics.

Grade Mode: Normal Grading Mode

ENGR 682 Research 1-6 Credit hours

Completion of research under the supervision of a faculty member.

Six semester hours of credit in research are applied toward the Thesis Option in the engineering MS degrees.

Grade Mode: Credit/No Credit Grade Only

ENGR 685 Independent Study 1-4 Credit hours

An approved study of special interest concerning engineering under the supervision of a faculty member. (PR: Consent)

Grade Mode: Normal Grading Mode

ENGR 686 Independent Study 1-4 Credit hours

An approved study of special interest concerning engineering under the supervision of a faculty member. (PR: Consent)

Grade Mode: Normal Grading Mode

ENGR 687 Independent Study 1-4 Credit hours

An approved study of special interest concerning engineering under the supervision of a faculty member. (PR: Consent)

Grade Mode: Satisfactory/Unsatisfactory

ENGR 688 Independent Study 1-4 Credit hours

An approved study of special interest concerning engineering under the supervision of a faculty members. (PR: Consent)

Grade Mode: Normal Grading Mode

ENGR 695 Internship in Engineering 3 Credit hours

Supervised on-the-job experience. The student will work in a technology or engineering company or department with an organization. (PR: Permission)

Grade Mode: Credit/No Credit Grade Only

ENGR 699 Comprehensive Project 3 Credit hours

Completion of comprehensive project under the supervision of a faculty member. Includes final written submittal and public oral presentation. Fulfills engineering MS requirement for Project Option.

Attributes: No Textbook Required

Grade Mode: Normal Grading Mode