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, failuer 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