ENGINEERING PHYSICS (ENGR)

ENGR-220 INTRODUCTION TO MATLAB (3 Credits)
This course introduces students to MatLab, one of the most widely used software packages for technical and scientific calculation, and to the numerical solution of problems in physics and engineering.

ENGR-252 ENGINEERING MECHANICS (3 Credits)
The study of statics and dynamics with engineering applications. Deformation, strain and stresses in solids of one, two, and three dimensions. Introduction to the mechanics of continuous media, the kinematics and dynamics of fluids; viscous flow, turbulence. Bernoulli's theorem and the Navier-Stokes equation.
Prerequisite(s): Take PHYS-103 PHYS-104

ENGR-262 ELECTRONICS (3 Credits)
This course is designed for the advanced undergraduate student or the incoming graduate student who desires a basic training in electronics. The course seeks to acquaint the student with the physical principles which govern the use of electronic devices and to allow the student to use these components in the design of circuits.