Dean.
Offered: All semesters.

MATH   2218   Linear Algebra   (3-0-3)
Theory and applications of systems of linear equations, vector spaces, and linear transformations are covered. Fundamental concepts include: linear independence, basis and dimension, orthogonality, projections, least squares analysis solutions of inconsistent systems; matrices, eigenvalues, eigenvectors, and applications. A graphing calculator is required.
Prerequisites: MATH 2252 or MATH 1151 with consent of Division Dean.
Offered: On demand

MATH   2252   Calculus II   (3-2-4)
This is the second of a three semester sequence in Calculus. Calculus II includes a continuation of techniques of integration, applications of integration, plane analytical geometry, parametric equations, Taylor's theorem, sequences and series. A graphing calculator is required.
Prerequisite: MATH 1151 or consent of Division Dean.
Offered: Fall and Spring.

MATH   2253   Calculus III   (3-2-4)
This is the third of a three semester sequence in Calculus. Calculus III includes vector-valued functions, vector derivatives, curvature, geometry of space, partial differentiation, functions of several variables, vector analysis, multiple integration, and applications of multiple integration. A graphing calculator is required.
Prerequisite: MATH 2252 or consent of Division Dean.
Offered: Spring.

MESA   0099 MESA Orientation   (1-0-1)
This course assists students in acquiring the knowledge and skills necessary to reach their educational objectives in engineering, mathematics, and science-related fields. Topics include: career decisions and strategies, educational and personal enrichment, study skills and habits, time management, academic preparation, and success in college. Field trips may be required. RESTRICTED to MESA students; exceptions approved by the MESA Director. May serve as an elective for majors in the Science and Math Division.
Prerequisites: None.
Corequisites: None.
Offered: Fall, Spring.

MLTS   1160W   Medical Laboratory Technology I   (3-0-3)
An in-depth study of the sciences of hematology and body fluids analysis. It deals with the morphology of blood and blood-forming tissues, the principles of blood sample collections, and the composition and function of multiple body fluids. Physiology and pathology are emphasized.
Prerequisite: Admission to the Medical Laboratory Technology Program or permission of the Director.
Corequisite: MLTS 1160L.
Offered: Fall, online & traditional options.

MLTS   1160L   Medical Laboratory Technology I LAB   (0-3-1)
The laboratory component of the course is utilized to develop skills and competencies required to perform laboratory analysis of blood and body fluids.
Corequisite: MLTS 1160W.
Offered: Fall. Online and traditional options.