

MATH2257 - Linear Algebra

Credits:	3 (3/0/0)
Description:	Meets MnTC Goal Areas 2 and 4. The course focuses on systems of linear equations, matrices, determinants, vector spaces, linear transformations, eigenvalues and eigenvectors.
Prerequisites:	• MATH1134
Corequisites:	
Pre/Corequisites*:	
Competencies:	 Solve systems of linear equations using Gauss-Jordan elimination. Construct systems of linear equations to model real-life problems. Apply properties of matrices. Perform matrix operations. Apply properties of determinants. Evaluate the determinant of a matrix. Discriminate between vector spaces. Apply concepts of inner products. Determine whether a given function is a linear transformation. Find eigenvalues and eigenvectors.
MnTC goal areas:	Critical Thinking Mathematics/Logical Reasoning

^{*}Can be taking as a Prerequisite or Corequisite.