

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:	<ol style="list-style-type: none">1. Solve systems of linear equations using Gauss-Jordan elimination.2. Construct systems of linear equations to model real-life problems.3. Apply properties of matrices.4. Perform matrix operations.5. Apply properties of determinants.6. Evaluate the determinant of a matrix.7. Discriminate between vector spaces.8. Apply concepts of inner products.9. Determine whether a given function is a linear transformation.10. Find eigenvalues and eigenvectors.
MnTC goal areas:	<ol style="list-style-type: none">2. Critical Thinking4. Mathematics/Logical Reasoning

*Can be taking as a Prerequisite or Corequisite.