*Content Area Prerequisites Course Equivalents*

**Number** M252 **Credits** 4

**Course Title** Linear Algebra

**Description** This course provides an introduction to techniques and applications of linear algebra. Topics include: systems of linear equations, matrices, determinants, Euclidean *n*-space, general vector spaces, basis and dimension, linear transformations, inner products, and eigen values and eigenvectors.

**Number Course Title Distance Credits School**

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| --- | --- | --- | --- | --- |
| MATH 2210 | Linear Algebra and Differential Equations | Traditional | 5 | Minneapolis Community Technical |
| MATH 2520 | Calculus 4: Differential Equations | Traditional | 5 | Normandale Community College |
| MATH 2300 | Linear Algebra | Traditional | 3 | North Hennepin Community |
| MATH 2200 | Linear Algebra | Traditional | 4 | Anoka Ramsey Community College |
| MATH 2221 | Introduction to Linear Algebra | Traditional | 3 | Inver Hills Community College |
| MATH 2082 | Linear Algebra and Differential | Traditional | 5 | Century College |
| MATH 315 | Linear Algebra & Applications | Traditional | 4 | Metropolitan State University |
| MATH 2238 | Differential Equations & Linear Algebra | Traditional | 5 | Rochester Community & Technical |
| MATH 2243 | Linear Algebra and Differential | Traditional | 4 | University of Minnesota |
| MATH 4242 | Applied Linear Algebra | Traditional | 4 | University of Minnesota |
| MATH 270 | Differential Equations and Linear Algebra | Traditional | 4 | Winona State University |
| MTH 310 | Calculus IV | Traditional | 4 | University of Wisconsin LaCrosse |
| MATH 312 | Linear Algebra | Traditional | 4 | St. Cloud State University |
| MATH 325 | Differential Equations | Traditional | 3 | St. Cloud State University |
| 22M:027 | Introduction to Linear Algebra | Distance | 4 | University of Iowa |
| MATH 2085 | Linear Algebra | Distance | 4 | Louisiana State University |
| MATH 256 | Linear Algebra | Traditional | 3 | University of Wisconsin River Falls |
| MATH 231 | Differential Equations I | Distance | 3 | University of Tennessee |
| MTH 413 | Topics in Linear Algebra | Traditional | 3 | University of Wisconsin LaCrosse |
| MATH 130 | Matrix Algebra | Traditional | 3 | Winona State University |
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