

## Mathematics 8-12 Course Requirements

*In order to be admitted to the program and pursue certification in Mathematics 8-12, you must have 26 hours of coursework in the designated areas and 12 of these hours must be upper level (junior or senior designation).*

<b>Course</b>	<b>Title</b>	<b>Hours</b>
MATH 151 or MATH 171	Engineering Mathematics I Analytic Geometry and Calculus	4
MATH 152 or MATH 172	Engineering Mathematics II Calculus	4
MATH 222 or MATH 304	Linear Algebra Linear Algebra*	3
MATH 467	Modern Geometry	3
MATH 220 or MATH 302	Fundamentals of Discrete Mathematics Discrete Mathematics*	3
MATH 375 or MATH 409	Intermediate Real Analysis* Advanced Calculus I	3
MATH 376, MATH 415 or MATH 433	Intermediate Abstract Algebra Modern Algebra I Applied Algebra	3
STAT 211 or STAT 303	Principles of Statistics I Statistical Methods	3
	12 hours must be upper level	
<b>Total</b>		<b>26</b>

\*MATH 152 prerequisite

Course equivalencies will be determined on a case-by-case basis