

Specific Area Endorsement Requirements

MATHEMATICS
(revised beginning for freshmen entering FALL 2010)

Math Endorsement Requirements: To be licensed to teach secondary school mathematics, the candidate must satisfactorily complete requirements for a baccalaureate degree in an arts and sciences discipline and at least 45 semester hours of credits in mathematics, including the following courses or their equivalents. Teacher licensure candidates must receive grades of "C-" or higher in the coursework listed below.
(revised 9/24/10)

Mathematics			
Course	Course Title	Credits	Typically Offered*
Core Courses Required for All Mathematics Majors			
MATH 235	Calculus I <i>(General Education requirement)</i>	4	Fall and Spring
MATH 236	Calculus II	4	Fall and Spring
MATH 237	Calculus III	4	Fall and Spring
MATH 238	Linear Algebra with Differential Equations	4	Fall and Spring
MATH 245	Discrete Mathematics	3	Fall and Spring
MATH 248	Computers and Numerical Algorithms	4	Fall and Spring
MATH 318	Introduction to Probability and Statistics	4	Fall and Spring
MATH 410	Advanced Calculus	3	Fall and Spring
MATH 430	Abstract Algebra I	3	Fall and Spring
Total Core Course Credits		33	

Course	Course Title	Credits	Typically Offered*
Additional Mathematics Course Requirements for Secondary Teaching Licensure			
MATH 310 <i>or</i> MATH 315	Elementary Theory of Numbers <i>or</i> The Real Number System	3	offered every 3 rd semester
MATH 415	History of Mathematics	3	Spring only
MATH 470	Connections in Mathematics	3	Spring only
MATH 475	Fundamental Concepts of Geometry	3	Fall only
Total Additional Mathematics Licensure Course Credits		12	
Total Minimum Mathematics Endorsement Credits		45	

* Course offerings listed are from the JMU 2010-2011 undergraduate catalog. Candidates should refer to subsequent editions of the undergraduate catalog for current information on course offerings and confirm course offerings each semester with the Mathematics and Statistics Department.