

MATHEMATICS CONCENTRATION

Mathematics as a discipline is structured around conceptual categories of numbers and quantity, algebra, functions, modeling, geometry and probability and statistics. Knowledge in this area is unified through context, coherence, and tasks that develop mathematical “habits of mind.” Courses in this concentration are structured for higher mathematics practices and content to support college and career pathways.

This concentration is aligned to a supplemental authorization in Mathematics that can be added to your future credential. See a concentration advisor for more information.

MATH 141	Calculus I	4
MATH 142	Calculus II	4
MATH 143	Calculus III	4
MATH 248	Methods of Proof in Mathematics	4
Select from the following:		4
LS 305	Project Based Learning in STEM Education	
MATH 300	Technology in Mathematics Education	
MATH 334	Combinatorial Math	
MATH 335	Graph Theory	
MATH 341	Theory of Numbers	
MATH 419	Introduction to the History of Mathematics	
MATH 442	Euclidean Geometry	
STAT 410	Statistics Education: Pedagogy, Content, Technology, and Assessment	
Total units		20