



Granite State College

Bachelor of Arts in Individualized Studies: Math Studies with Teacher Certification in Secondary School Mathematics, Grades 7-12

Curriculum Map

Degree Outcomes

Students will:

- Develop a working understanding of current brain research and its implication for learning and teaching
- Develop the skills to access and utilize technology as a tool to empower learning and teaching
- Develop a solid understanding of the utilization of formative and summative assessment for program design, monitoring student progress and evaluate teaching effectiveness
- Work with colleagues to observe, analyze and provide feedback on student progress and teaching effectiveness
- Utilize research methods and materials, pedagogies and assessment strategies to teach for understanding and learning achievement specific to content area

Early Course Group - Taken early in the degree program.

		PROJECTED	COMPLETED
CRIT 500	Critical Thinking		
CMPL 511	Software Tools		
ENG 500	Writing Process		
MATH 502	College Math		
COMM 550, 551, or 553	Communication Requirement		
EDU 510	Foundations of Education		

Middle Course Group - Taken in the middle of the degree program.

		PROJECTED	COMPLETED
ENG 600	Expository Writing		
MATH 504	Statistics		
MATH 510	Pre-Calculus		
MATH 600	Mathematical Proof		
MATH 601	Number Systems		
MATH 602	Geometric Structures		
MATH 604	Linear Algebra		
MATH 605	Discrete Mathematics		
MATH 606	Calculus I		
MATH 607	Calculus II		
MATH 608	History of Mathematics		

Upper Course Group - Taken near the end of the degree program.

		PROJECTED	COMPLETED
EDU 607, 615, 619, 652, 653			

Capstone Course - Taken after all other requirements in the major.

		PROJECTED	COMPLETED
EDU 651	Culminating Teaching Experience		

Anytime Courses - Choose courses of interest at any time to fill openings in your degree program.

		PROJECTED	COMPLETED
Arts & Culture Requirement	ARTS 601 (Recommended) OR Arts 501, 503, 515, 526, 538, 550, 551		
History & Politics Requirements (2)	HIS 510 or 511 and POL 550 (Recommended) OR HIS 602, 627 and POL 544		
Literature & Ideas Requirement	ENG 510 (Recommended) OR ENG 512, 513, 555, 560, 620, 622, 625, 633, 640		
Social Science Requirement	PSY 509 (Required)		
Science Requirements (2)	Physical Science		
	Biological Science		

*This document is provided for student convenience, and is not an official record of Granite State College degree progress.
Important Note: Transfer Credits, Exams, Prior Learning Credit, and grades earned will impact the above.*



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Follow this sequence of courses

TERM 1

CRIT 500 Critical Thinking
CMPL 511 Software Tools

TERM 2

ENG 500 Writing Process
MATH 502 College Math

TERM 3

EDU 510 Foundations in Education
COMM 550, 551, or 553 Communication

TERM 4

ARTS 601 Creativity: The Untapped Potential
SCI Biological Science

TERM 5

HIS 510 or HIS 511: US History
MATH 510 Pre-Calculus

TERM 6

MATH 504 Statistics
MATH 602 Geometric Structures

TERM 7

ENG 510 Survey of American Lit.
MATH 606 Calculus I
Take Praxis I

TERM 8

SCI Physical Science
MATH 607 Calculus II

TERM 9

MATH 601 Number Systems for Teachers
MATH 600 Mathematical Proof
Submit Declaration of Candidacy to SOE

TERM 10

MATH 604 Linear Algebra
ENG 600 Expository Writing

TERM 11

MATH 605 Discrete Algebra
POL 550 American Govt. & Politics

TERM 12

EDU 652 Aspects of Mathematics Learning
MATH 608 History of Mathematics
Subscribe to Taskstream

TERM 13

EDU 619 Managing Student Behavior
EDU 653 Reading/Writing in Math Content Areas

TERM 14

EDU 607 Instructional, Methods, and Technologies
PSY 509 Human Development
Take Praxis II

TERM 15

EDU 615 Math Methods
EDU 651 Culminating Teaching Experience