

2028 Academic Planning Form: MATHEMATICS/SECONDARY EDUCATION B.A.

5/22/24

1st course(s) recommended for Mathematics/Secondary Education - MTH 131, EDU 201

	Fall Semester	# of Credits	Spring Semester	# of Credits	Total Year Credits
1st Year	DWC 101 (4 credit hrs; Honors 5 credit hrs)	4	DWC 102 (4 credit hrs; Honors 5 credits hrs)	4	
	*MTH 131 Calc & Analytical Geometry I (Quantitative Reasoning Core)	4	MTH 132 Calc & Analytical Geometry II	4	
	CSC 103 OR CSC 104	3	Free Elective	4	
	MTH 103 First Year Mathematics Seminar	1	Core	3	
		12		15	27
2nd Year	DWC 201 (4 credit hrs; Honors 5 credit hrs)	4	DWC 202 (4 credit hrs; Honors 5 credits hrs)	4	
	MTH 223 Calculus III	4	MTH 290 Foundations of Higher Mathematics	3	
	EDU 201 Educational Psychology (Social Science Core)	3	EDU 206 & 206L Principles of Secondary Education	4	
	MTH 215 Linear Algebra	3	Free Elective	3	
	Core	3	Core	3	
			17		
3rd Year	MTH 323 Real Analysis I	3	MTH 324 Real Analysis II OR MTH 316 Abstract Algebra II OR MTH 330 Complex Variables	3	
	MTH 315 Abstract Algebra I	3	MTH 309 Geometry	3	
	EDU 401 & 401L Educational Measurement	4	EDU 303 & 303L Child w/ Special Needs in Reg Class	4	
	Free Elective	3	Free Elective	3	
	Core	3	Core	3	
			16		
4th Year	MTH 325 Probability Theory and Mathematical Statistics I	3	EDU 301 Foundations of Education (Civic Engagement Proficiency)	3	
	EDU 416 & 416L Teaching Math in Secondary School	4	EDU 450 Student Teaching (Oral Communication Proficiency)	9	
	Core	3	EDU 449 Classroom Management (1 cr.)	1	
	Core	3	Core		
			3		
		16		13	29
Graduation Requirement includes a minimum of 120 credit hours			Total Program of Study Credits		122

****Currently, MTHE Majors fulfill the Quantitative Reasoning and Social Science Cores; the Oral Communication and Civic Engagement Proficiencies.**
Note: Secondary Education majors have a two step process to declare, including a basic skills test or completion of a 1-credit course mandated by the Rhode Island Department of Education and a cumulative GPA of at least 2.5.

Core requirements include a foundational component and satisfaction of all proficiencies.

Foundational Component:

- DWC - 4 semester sequence, 16-20 cr.
- Theology (200 & 300 level) - 6 cr.
- Philosophy (1 Ethics) - 6 cr.
- Natural Science - 3 cr.
- Social Science - 3 cr. (**EDU 201**)
- Quantitative Reasoning - 3 cr. (**MTH 131 or 132**)
- Fine Arts - 3 cr.

Proficiencies:

- Intensive Writing - I
- Intensive Writing - II
- Diversity
- Civic Engagement (**EDU 301**)
- Oral Proficiency (**EDU 450**)

Major Requirements (MTHE Courses):

- MTH 131*, 132, 215, 223, 290, 309, 315, 323, 324 OR 316 OR 330, 325
- EDU 201, 206, 206L, 301, 303, 303L, 401, 401L, 416 416L, 449, 450
- CSC 103, 104 OR any CSC course higher than the 200-level except CSC 440
- *MTH 131 requirement is waived for Math/Sec Ed Majors placed into MTH 132