

Academic Rhode Map for BA Mathematics Secondary Education Major at Rhode Island College

- This Rhode Map is a suggested pathway to graduation in 8 semesters
 - There are other valid pathways available to graduation - part time, summer/early spring classes, etc.
- The left column contains the suggested courses for each semester, the right column contains notes for the course and about progress towards graduation
- Some courses might not be offered during the semester shown on the map
 - In these cases, courses listed in future semesters can be substituted if their prerequisites have been satisfied
 - Your advisor can help you determine which courses can be used during your appointment each semester
- This Rhode Map is designed primarily with incoming freshmen in mind and assumes a Fall start
 - Transfer students can also use it as a guide, knowing that their transfer credits may have satisfied some requirements. Academic advisors are available to answer questions about how these will affect the program
 - Students starting in the spring may need to adjust based on class offerings and availability

GENERAL EDUCATION REQUIREMENTS CHECKLIST

	FYW 100 – Taken in first year (Cannot be used as elective)	Distribution Courses - One from each category		Math (M) - suggested in first year - Satisfied by MATH 212
	FYS 100 – Taken in first year (Cannot be used as elective)			Arts (A)
				History/Philosophy (HP)
				Literature/Language (LL)
				Natural Science (NS)
				Social & Behavioral Sciences (SB) - Satisfied by CEP 215
	Connections – Taken after FYW & FYS			Elective(s) for 40 total Gen Ed credits (E)

MAJOR REQUIREMENTS CHECKLIST

CSCI 157 Introduction to Algorithmic Thinking in Python
MATH 212 Calculus I
MATH 213 Calculus II
MATH 240 Statistical Methods I
MATH 300W Bridge to Advanced Mathematics (Sp)
MATH 314 Calculus III
MATH 315 Linear Algebra (F)
MATH 324 College Geometry
MATH 431 Number Theory
MATH 432 Introduction to Abstract Algebra (Sp)
MATH 441 Introduction to Probability (F)
MATH 461W Seminar in Mathematics (F)

EDUCATION COURSES

CEP 215 Introduction to Educational Psychology
FNED 101 Introduction to Teaching and Learning
FNED 246 Schooling for Social Justice
SED 206 Educational Assessment and Pedagogy
SED 306W Inquiry into Discourses, Literacies, and Policies
SED 315 Mathematic Teaching in a Diverse Classroom (Sp)
SED 415 Rethinking Mathematics Teaching and Learning (F)
SPED 333 Introduction to Special Education
TESL 401 Introduction to Teaching Emergent Bilinguals
SED 421 Student Teaching in the Secondary School (Sp)
SED 422 Student Teaching Seminar in Secondary Ed. (Sp)

FSEHD ADMISSION REQUIREMENTS: The following requirements must be completed by undergraduate degree candidates at Rhode Island College in order to be accepted in the program:

- Completion of 24 credits upon admission
- Cumulative college GPA of 2.75 GPA based on all college level course at RIC (Can apply with 2.5-2.749 with GPA support)
- Successful completion of Mathematics Milestone requirement
- Successful completion of both the RIC Writing requirement: FYW 100 or FYW 100P (grade of B- or C/C+ with support of CURR 242)
- Basic Skills Tests with appropriate scores
- Completion of FNED 101 (required Pass)
- Completion of FNED 246 (grade of B- or higher)
- Submission of three FNED Disposition Assessment Forms
- Submit current valid BCIs at various times throughout the program in order to participate in practicum experiences

The total credit count for the major is 90 credits, and 40 credits for General Education. However, 12 Gen. Ed. credits for M, SB and Elective can double count, so the program can be completed in 118 credits

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Graduation Requirements:

- Completion of General Education Requirements – See table above
- Completion of Major Requirements — See table above
- RIC 100 or Equivalent — Taken in first year
- College Math Milestone — Satisfied by placement exam or completion of MATH 010
- College Writing Competency — Satisfied by FYW 100 with a minimum grade of C
- Minimum 120 Credit Hours — At least 30 credits at RIC (of which 15 from major, including 12 at 300 or 400 level)
- Minimum GPA - 2.0 overall

SEMESTER 1	CR	SEMESTER 1 NOTES
FYW 100 First Year Writing OR FYS 100 First Year Seminar	4	FYW Directed Self Placement exam
RIC 100 Introduction to Rhode Island College	1	Exempt if taking COLL 101, COLL 150, or HONR 150
FNED 101 Introduction to Teaching and Learning	2	
MATH 212 Calculus I	4	Prereq = MATH 209, or appropriate score on Math Placement Exam Satisfies Gen Ed Mathematics (M)
Gen Ed course from (A) (H) or (L)	4	
Requirements and GPA		<i>Aim for 16 earned credits (While 12 is fulltime, 16 credits are preferred to stay on track to graduate in 4 years) Math Milestone completed; minimum 2.75 overall GPA</i>
# CREDITS EARNED	15	<i>By October, make appointment with Mathematics advisor to discuss your schedule for next semester</i>

SEMESTER 2	CR	SEMESTER 2 NOTES
FYW 100 First Year Writing OR FYS 100 First Year Seminar	4	Complete FYS and FYW, for FYW, grade B or better
Gen Ed course from (A) (H) or (L)	4	
FNED 246 Schooling for Social Justice	4	Prereq = 12 credits, FYW with minimum grade of C and FNED 101 minimum grade of B- Need B- minimum in course
MATH 213 Calculus II	4	Prereqs = MATH 212; minimum grade of C
Requirements and GPA		<i>Aim for minimum of 32 earned credits; minimum 2.75 overall GPA</i>
# CREDITS EARNED	16	<i>By March, make appointments with Mathematics and Secondary Education advisors to discuss your schedule for next semester</i>

SEMESTER 3	CR	SEMESTER 3 NOTES
MATH 240 Statistical Methods I	4	Prereq = math Milestone or appropriate score on Math Placement Exam
MATH 314 Calculus III	4	Prereq = MATH 213; minimum grade of C
CEP 215 Introduction to Educational Psychology	4	Minimum grade of B- Satisfies Gen Ed. Social Behavioral Science (SB)
Gen Ed course from (A) (H) or (L)	3-4	
Requirements and GPA		Minimum of 2.75 GPA overall; minimum of B- in Education courses; minimum GPA of 2.75 in Mathematics major courses
# CREDITS EARNED	15 -16	<i>Make appointments with Mathematics and Secondary Education advisors in Sept. to discuss your schedule for next semester.</i>

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SEMESTER 4	CR	SEMESTER 4 NOTES
MATH 300W Bridge to Advanced Mathematics (Sp)	4	Prereq = MATH 212; minimum grade of C
MATH 324 College Geometry	4	Prereq = MATH 212; minimum grade of C
SED 206 Educational Assessment and Pedagogy	4	Prereq = FNED 246 or by consent of chair
Gen Ed - Connections	4	Prereqs = FYW and FYS
Requirements and GPA		<i>Core Academic Skills for Educators (ETS# 5751). Apply to Feinstein School of Education (FSEHD). Minimum of 2.75 GPA in Math courses and overall; minimum of B- in Education courses</i>
# CREDITS EARNED	16	<i>By March, make appointment with both advisors to discuss your schedule for next semester</i>

SEMESTER 5	CR	SEMESTER 5 NOTES
MATH 315 Linear Algebra (F)	4	Prereq = MATH 300 or MATH 300W with a minimum grade of C
MATH 441 Introduction to Probability (F)	4	Prereq = MATH 314
TESL 401 Introduction to Teaching Emergent Bilinguals	4	
SED 306W Inquiry into Discourses, Literacies, and Policies	2	Prereqs = Admission to FSEHD and SED 206, or consent SED 201 and SED 202 can also be used as prereqs if taken
Requirements and GPA		<i>Minimum of 2.75 GPA in MATH courses and overall; minimum of B- in Education courses. Check with advisor which Praxis tests you will need.</i>
# CREDITS EARNED	14	<i>By October, make appointment with both advisors to discuss your schedule for next semester</i>

SEMESTER 6	CR	SEMESTER 6 NOTES
MATH 432 Introduction to Abstract Algebra (Sp)	4	Prereq = MATH 300 or MATH 300W, and MATH 315
MATH 431 Number Theory	3	Prereq = MATH 212
SED 315 Mathematic Teaching in a Diverse Classroom (Sp)	4	Prereq = SED 303
Gen Ed Course (Any Needed)	3-4	
Requirements and GPA		<i>Minimum of 2.75 GPA in Math courses and overall minimum of B- in Education courses Attend Office of Partnerships and Placements orientation for student teachers Apply for student teaching Meet with research advisor Praxis II Mathematics (ETS# 5165 – Passing Score: 159). Apply for degree audit online through MyRIC</i>
# CREDITS EARNED	14 -15	<i>By March, make appointment with both advisors to discuss your schedule for next semester</i>

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SEMESTER 7	CR	SEMESTER 7 NOTES
SPED 333 Introduction to Special Education	3	Prereq = SED 202; minimum grade of B-
Free Elective	3-4	
MATH 461W Seminar in Mathematics (F)	4	
SED 415 Rethinking Mathematics Teaching and Learning (F)	4	Prereq = SED 315
Requirements and GPA		<i>Minimum of 2.75 GPA overall; minimum GPA of 2.75 in Mathematics major courses; minimum of B- in Education courses. Mathematics Content Portfolio</i>
# CREDITS EARNED	14 -15	<i>By October, make appointment with Education advisor to discuss your schedule for next semester</i>

SEMESTER 8	CR	SEMESTER 8 NOTES
SED 421 Student Teaching in the Secondary School (Sp)	9	Concurrent enrollment in SED 422 Must have completed all other required courses with a minimum grade of B Recommendation from practicum instructor Completed community service Passing scores on Praxis II Approved mini-teacher candidate work sample Negative result from tuberculin test.
SED 422 Student Teaching Seminar in Secondary Education (Sp)	3	Concurrent enrollment in SED 421 Must have completed all other required courses.
Requirements and GPA		<i>Need minimum of 120 earned credits (you will have more). All general education requirements completed. Completion of all Mathematics content coursework. Minimum GPA of 2.75 in Mathematics major courses; minimum of 2.75 GPA overall; minimum of B- in Education courses</i>
# CREDITS EARNED	12	<i>Attend Gradfest and Commencement</i>

Approved by Department Chair: Charles H. McLaughlin, Jr.

Date: 12/6/2024

Approved by Undergraduate Curriculum Committee

Date: 11/25/2024

Revised: