

Academic Rhode Map for BA General Science 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 -	Math (M) - Suggested in first year - Satisfied by MATH 209
			Arts (A)
FYS 100 – Taken in first year (Cannot be used as elective)		One from each category	History/Philosophy (HP) - Satisfied by HIST 108
			Literature/Language (LL)
			Natural Science (NS)
			Social & Behavioral Sciences (SB)
Connections – Taken after FYW & FYS			Elective(s) for 40 total Gen Ed credits (E)

ACADEMIC MAJOR CHECKLIST	EDUCATION COURSES
BIOL 111 Introductory Biology I	CEP 215 Introduction to Educational Psychology
BIOL 112 Introductory Biology II	FNED 101 Introduction to Teaching and Learning
CHEM 103 General Chemistry I	FNED 246 Schooling for Social Justice
CHEM 104 General Chemistry II	SED 202 Introduction to Assessment
HIST 108 History of Science and Medicine	SED 206 Educational Assessment and Pedagogy
PHYS 101 Physics for Science and Mathematics I	SED 303 Inquiry into STEM (F)
PHYS 102 Physics for Science and Mathematics II	SED 306W Inquiry Into Discourses, Literacies, and Policies
TWO courses from: PSCI 211 Introduction to Astronomy PSCI 212 Geology (F, Su) PSCI 214 Introduction to Meteorology (F) PSCI 217 Introduction to Oceanography (Sp)	SED 316 Teaching Science, Technology, and Society (Sp)
	SED 416 Practicum in Secondary Science Education (F)
	SPED 333 Introduction to Special Education
	TESL 401 Introduction to Teaching Emergent Bilinguals
	SPED 433 Special Education: Best Practices and Applications OR TESL 402 Applications of Second Language Acquisition Theory
MATH 209 Pre-calculus	
Research in Science course 491 (BIOL, CHEM, PHYS or PSCI)	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 91 credits, and 40 credits for General Education. However, 20 Gen. Ed. credits for HP, M, NS, SB and Elective can double count, so the program can be completed in 111 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	
BIOL 111 Introductory Biology I	4	Prereq = Math Milestone; minimum grade of C Satisfies Gen Ed Natural Science (NS)
CHEM 103 General Chemistry I	4	Prereq = Math Milestone/placement exam; minimum grade of C
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; 2.50 in the Major</i>
# CREDITS EARNED	15	<i>By October, make appointment in S with Content 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	
BIOL 112 Introductory Biology II	4	Prereq = BIOL 111 with a minimum grade of C- Minimum grade of C
CHEM 104 General Chemistry II	4	Prereq = CHEM 103; minimum grade of C. Satisfies Gen Ed AQSR
General Education Course (Any still needed)	3-4	
General Education Course (Any still needed) SUMMER	Su+4	Take Gen Ed over summer if needed to keep on track for four years.
Requirements and GPA		<i>Aim for minimum of 32 earned credits. Minimum 2.75 overall GPA; 2.50 in the Major</i>
# CREDITS EARNED	15 -16 +4	<i>By March, make appointments with content and Secondary Education advisors to discuss your schedule for next semester</i>

SEMESTER 3	CR	SEMESTER 3 NOTES
MATH 209 Precalculus Mathematics	4	Prereqs = MATH 120 or Math Placement Exam; minimum grade of C; Satisfies Gen Ed Mathematics (M)
One from: PSCI 211 Introduction to Astronomy PSCI 212 Geology (F, Su) PSCI 214 Introduction to Meteorology (F) PSCI 217 Introduction to Oceanography (Sp)	4	Prereq PSCI 214 = Gen Ed Math or NS. Minimum grade of C
FNED 246 Schooling for Social Justice	4	Prereq = 12 credits, FYW with min. C and FNED 101; Need minimum B-
HIST 108 History of Science and Medicine	4	Satisfies Gen Ed History (H)
Requirements and GPA		<i>Core Academic Skills for Educators (ETS# 5751) Apply to Feinstein School of Education (FSEHD) Aim for minimum of 45 earned credits; minimum of 2.75 GPA overall; minimum of B- in Education courses; minimum GPA of 2.50 in Science major</i>
# CREDITS EARNED	16	<i>By October, make appointments with content advisor and Secondary Education advisor to discuss your schedule for next semester</i>

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SEMESTER 4	CR	SEMESTER 4 NOTES
SED 201 Introduction to Lesson Planning	2	Prereq = FNED 246 and concurrent with SED 202
SED 202 Introduction to Assessment	2	Prereq = FNED 246 and concurrent with SED 201
MATH 212 Calculus I	4	Prereq = MATH 209; minimum grade of C
One from: PSCI 211 Introduction to Astronomy PSCI 212 Geology (F, Su) PSCI 214 Introduction to Meteorology (F) PSCI 217 Introduction to Oceanography (Sp)	4	Prereq = Gen Ed Math or NS Minimum grade of C
MLED 230 Young Adolescent Development in Social Contexts	4	Also offered over summer
Gen Ed course from(A) or (L), if needed	Su +4	Take over summer to keep on track for four years if still needed.
Requirements and GPA		<i>Minimum of 2.75 GPA overall; minimum of B- in Education courses; minimum GPA of 2.50 in Science major</i>
# CREDITS EARNED	16 +4	<i>By March, make appointment with both advisors to discuss your schedule for next semester</i>

SEMESTER 5	CR	SEMESTER 5 NOTES
PHYS 101 Physics for Science and Mathematics I	4	Prereq = MATH 120 or appropriate score on math placement exam; Minimum grade of C
CEP 215 Introduction to Educational Psychology	4	Minimum grade of B-; satisfies Gen Ed. SB
MLED 331 Disciplinary Literacies with Young Adolescents	4	Prereq = MLED 230 or by consent of dept. chair
SED 306W Inquiry Into Discourses, Literacies, and Policies	2	Prereqs = SED 201 and SED 202 (with minimum grade of B-; concurrent enrollment in SED 303, or consent.
SED 303 Inquiry into STEM (F)	2	Prereq = Concurrent with SED 301W
Requirements and GPA		<i>Minimum of 2.75 GPA overall; minimum of B- in Education courses; Minimum GPA of 2.50 in Science major Check with advisor over which praxis tests to take</i>
# CREDITS EARNED	16	<i>By October, make appointment in with both advisors to discuss your schedule for next semester</i>

SEMESTER 6	CR	SEMESTER 6 NOTES
PHYS 102 Physics for Science and Mathematics II	4	Prereq = PHYS 101; minimum grade of C
SED 316 Teaching Science, Technology, and Society (Sp)	4	Prereq = SED 303 and 28 completed credits in the major; minimum grade of B-
SPED 333 Introduction to Special Education	3	Prereq = is SED 202; minimum grade of B-
TESL 401 Introduction to Teaching Emergent Bilinguals	4	Prereq = FNED 246
Gen Ed course from Arts (A) or Literature (L), if needed	Su +4	Take over summer to keep on track for four years if still needed.
Requirements and GPA		<i>Minimum of 2.75 GPA overall; minimum of B- in Education courses. Minimum GPA of 2.50 in Science major. Attend Office of Partnerships and Placements orientation for student teachers; apply for student teaching. Meet with research advisor. Praxis II Biology Content Knowledge Exam (ETS# 5235 – Passing Score: 157). Apply for degree audit online through MyRIC</i>
# CREDITS EARNED	15	<i>By October, make appointment in with both advisors to discuss your schedule for next semester</i>

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SEMESTER 7	CR	SEMESTER 7 NOTES
Gen Ed Connections (C)	4	Prereq = FYW and FYS
XXXX 491 Research in BIOL, CHEM, PHYS, or PSCI	1	Prereqs vary—see catalog; minimum grade of C
MLED 332 Curriculum and Assessment for Young Adolescents	4	Prereqs MLED 230 and MLED 331 or consent of dept. chair
SED 416 Practicum in Secondary Science Education (F)	4	Prereq = SED 316
SPED 433 Special Education: Best Practices and Applications OR TESL 402 Applications of Second Language Acquisition Theory	3	Prereq for SPED 433 = SPED 333; minimum grade of B- Prereq for TESL 402 = TESL 401; minimum grade of B-
Requirements and GPA		<i>Minimum of 2.75 GPA overall; minimum of B- in Education courses; minimum GPA of 2.50 in Science major</i>
# CREDITS EARNED	16	<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, and 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). Completion of all General Science content coursework. Minimum of 2.75 GPA overall; minimum of B- in Education courses</i>
# CREDITS EARNED	12	<i>Attend Gradfest and Commencement</i>

MLED certification courses are: MLED 230 Young Adolescent Development in Social Contexts; MLED 331 Disciplinary Literacies with Young Adolescents*; and MLED 332 Curriculum and Assessment for Young Adolescents* (12 credits). These have been included on this Map.

NOTE: This General Science Secondary Education Major has greater flexibility and is a preferable program to taking Biology, Chemistry or Physics as an individual science. These science concentrations can be added as Certificates of Undergraduate Study (CUS) to compliment the General Science Major

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

Date: 12/6/2024

Approved by Undergraduate Curriculum Committee

Date: 11/25/2024

Revised: