

**ACADEMIC RHODE MAP**  
**BA GENERAL SCIENCE SECONDARY EDUCATION MAJOR**



GENERAL EDUCATION: A complete listing of General Education courses can be found at the Office of Academic Support (OASIS) 401 456-8083 or online at <http://www.ric.edu/recordsoffice/Pages/College-Catalog.aspx> look at catalog for year you enrolled. For Gen Ed courses, aside from Second Language requirement, which varies depending on where you are placed, you need ONE course from each category. Second Language 101/102 options are: American Sign, Arabic, French, German, Italian, Japanese, Korean, Latin, Portuguese, or Spanish. For other ways to satisfy the second language requirement look under the Gen Ed. section of the catalog. Any courses marked (F) offered Fall only; (Sp) Spring only. All courses marked with an asterisk \* have a prerequisite. For information about Math Placement exam visit: <http://www.ric.edu/orientation/Pages/Math-Placement.aspx>

ACADEMIC MAJOR CHECKLIST	COURSE	EDUCATION COURSES	COURSE
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 201 Introduction to Lesson Planning	
HIST 108 History of Science and Medicine		SED 202 Introduction to Assessment	
PHYS 101 Physics for Science and Mathematics I*		SED 301 Discourses, Literacies, and Technologies of Learning (F)*	
PHYS 102 Physics for Science and Mathematics II*		SED 303 Inquiry into STEM (F)*	
		SED 316 Practicum in Secondary Education: Science (Sp)*	
TWO courses from: PSCI 211 Introduction to Astronomy*; PSCI 212 Geology (F, Su)*; PSCI 214 Introduction to Meteorology (F)*; or PSCI 217 Introduction to Oceanography (Sp)*		SED 416 Socio-Scientific Issues in the Classroom (F)*	
		SPED 333 Introduction to Special Education*	
		TESL 401 Introduction to Teaching Emergent Bilinguals*	
		Either SPED 433 Special Education: Best Practices and Applications* OR TESL 402 Applications of Second Language Acquisition Theory*	
MATH 209 Pre-calculus*		SED 420 Introduction to Student Teaching (early Sp)*	
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)*	

**NOTE: It is highly recommended that students also take the MLED courses that lead to Middle School Certification**

This map is a semester-by-semester plan to help you toward graduation in four years. Not everyone graduates in four years as it depends on how many courses you can take, and how you do in those courses. This map is not your only route; it is a suggestion. You might take additional courses over the summer (or early spring/winter) to catch up or get ahead if the courses you need are offered at these times. While many courses in your major will have prerequisites that will need you to take them in a special order, there is some flexibility in this map, but always double check you have the correct prerequisites for a course you plan to take.

The column to the left on the other side of this page suggests the ideal courses for you to take each semester. There are times when those courses may be full or unavailable the semester you plan to take them, in which case consider another course from a different semester with which you can switch. The column on the right has "Checkpoints" for each semester that show where you should be by the end of that semester. You should work from this map as you plan each semester's schedule, before checking in with your advisor. The Map is designed primarily for freshmen coming to college for the first time, but transfer students may also use the Rhode Map with the understanding that they have most likely completed several requirements through transfer of credit, and will be starting further into the program. Maps assume a Fall start.

**GRADUATION REQUIREMENTS:** The following requirements must be completed by undergraduate degree candidates at Rhode Island College in order to graduate:

- General Education program, including a second language requirement and RIC 100 or its equivalent
- College Math Competency (which is separate from the Gen Ed math requirement)
- College Writing Competency (satisfied by FYW with a minimum grade of C). **NOTE: Education students need a minimum of B**
- Academic Major--includes Education courses and Science courses—see check chart above.
- A minimum of 120 credit hours, with a minimum of 45 credit hours taken at RIC. Of the 45 credit hours, a minimum of 15 credit hours must be in the major (12 of which must be at the 300- or 400-level).
- A minimum cumulative grade point average of 2.75 each semester, with minimum of B- in Education courses
- A minimum grade point average of 2.75 in your Science major.
-

**ACADEMIC RHODE MAP**  
**BA GENERAL SCIENCE SECONDARY EDUCATION MAJOR**



<b>SEMESTER 1</b>	<b>CR</b>	<b>SEMESTER 1 CHECKPOINTS ✓</b>
First Year Writing (FYW 100) or First Year Seminar (FYS 100).	4	<input type="checkbox"/> FYW 100P is a 6 credit option. To decide which FYW to take, see Directed Self-Placement test at <a href="http://www.ric.edu/firstyearwriting">www.ric.edu/firstyearwriting</a>
RIC 100 Introduction to Rhode Island College	1	<input type="checkbox"/> Exempt if taking COLL 101, COLL 150, or HONR 150
FNED 101 Introduction to Teaching and Learning	2	
BIOL 111 Introductory Biology I*	4	<input type="checkbox"/> Prereq. Math competency; minimum grade of C <input type="checkbox"/> Satisfies Gen Ed Natural Science (NS)
CHEM 103 General Chemistry I*	4	<input type="checkbox"/> Prereq. Math competency/placement exam; minimum grade of C
		<input type="checkbox"/> Aim for 16 earned credits (While 12 is fulltime, 16 credits are preferred to stay on track to graduate in 4 years) <input type="checkbox"/> Math competency completed <input type="checkbox"/> Minimum 2.75 overall GPA; 2.50 in the Major
Requirements and GPA		
# CREDITS EARNED	15	<input type="checkbox"/> Make appointment in Sept. with <b>Content advisor</b> to discuss your schedule for next semester

<b>SEMESTER 2</b>	<b>CR</b>	<b>SEMESTER 2 CHECKPOINTS ✓</b>
FYW 100 or FYS 100	4	<input type="checkbox"/> Complete FYS and FYW, for FYW, grade B or better
BIOL 112 Introductory Biology II*	4	<input type="checkbox"/> Prereq. BIOL 111 with a minimum grade of C-; minimum grade of C
CHEM 104 General Chemistry II*	4	<input type="checkbox"/> Prereq CHEM 103; minimum grade of C <input type="checkbox"/> Satisfies Gen Ed AQSR
Gen Ed--Second Lang 101 (based on placement, a course higher than 101/102 may be taken). If language requirement already satisfied: Gen Ed Distribution course from Arts (A); or Literature (L)	4	<input type="checkbox"/> Language placement test with Dept. of Modern Languages (optional) <input type="checkbox"/> Complete Second Lang 101 (if needed).
Gen Ed--Second Lang 102* (if needed) SUMMER	Su+4	<input type="checkbox"/> Take language 102 over summer if needed to keep on track for four years. Need minimum grade of C.
		<input type="checkbox"/> Aim for minimum of 32 earned credits <input type="checkbox"/> Minimum 2.75 overall GPA; 2.50 in the Major
Requirements and GPA		
# CREDITS EARNED	16	<input type="checkbox"/> Make appointments with content and Secondary Education advisors in Feb. to discuss your schedule for next semester

<b>SEMESTER 3</b>	<b>CR</b>	<b>SEMESTER 3 CHECKPOINTS ✓</b>
MATH 209 Precalculus Mathematics*	4	<input type="checkbox"/> 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)*; or PSCI 217 Introduction to Oceanography (Sp)*	4	<input type="checkbox"/> Prereq. math competency or appropriate score on math placement exam; PSCI 214 is Gen Ed Math or NS <input type="checkbox"/> Minimum grade of C
FNED 246 Schooling for Social Justice*	4	<input type="checkbox"/> Prereq. 12 credits, FYW with minimum grade of B and FNED 101; need B- minimum in course
HIST 108 History of Science and Medicine	4	<input type="checkbox"/> Satisfies Gen Ed History (H)
		<input type="checkbox"/> Core Academic Skills for Educators (ETS# 5751) <input type="checkbox"/> Apply to Feinstein School of Education (FSEHD) <input type="checkbox"/> Aim for minimum of 45 earned credits, <input type="checkbox"/> Minimum of 2.75 GPA overall; minimum of B- in Education courses <input type="checkbox"/> Minimum GPA of 2.50 in Science major
Requirements and GPA		
# CREDITS EARNED	16	<input type="checkbox"/> Make appointments with content advisor and Secondary Education advisor in Sept. to discuss your schedule for next semester.

**ACADEMIC RHODE MAP**  
**BA GENERAL SCIENCE SECONDARY EDUCATION MAJOR**



<b>SEMESTER 4</b>	<b>CR</b>	<b>SEMESTER 4 CHECKPOINTS ✓</b>
SED 201 Introduction to Lesson Planning*	2	<input type="checkbox"/> Prereq. FNED 246 and concurrent with SED 202
SED 202 Introduction to Assessment*	2	<input type="checkbox"/> Prereq. FNED 246 and concurrent with SED 201
MATH 212 Calculus I*	4	<input type="checkbox"/> Prereq is MATH 209; minimum grade of C
One from: PSCI 211 Introduction to Astronomy*; PSCI 212 Geology (F, Su)*; PSCI 214 Introduction to Meteorology (F)*; or PSCI 217 Introduction to Oceanography (Sp)*	4	<input type="checkbox"/> Prereq. math competency or appropriate score on math placement exam; PSCI 214 is Gen Ed Math or NS <input type="checkbox"/> Minimum grade of C <input type="checkbox"/> Completed TWO PSCI course requirements
MLED 230 Young Adolescent Development in Social Contexts	4	<input type="checkbox"/> Also offered over summer
Gen Ed course from Arts (A) or Literature (L), if needed.	Su +4	<input type="checkbox"/> Take over summer to keep on track for four years if still needed.
Requirements and GPA		<input type="checkbox"/> Minimum of 2.75 GPA overall; minimum of B- in Education courses <input type="checkbox"/> Minimum GPA of 2.50 in Science major
# CREDITS EARNED	16	<input type="checkbox"/> Make appointment in Feb. with both advisors to discuss your schedule for next semester

<b>SEMESTER 5</b>	<b>CR</b>	<b>SEMESTER 5 CHECKPOINTS ✓</b>
PHYS 101 Physics for Science and Mathematics I*	4	<input type="checkbox"/> Prereq. MATH 120 or appropriate score on math placement exam; Minimum grade of C
CEP 215 Introduction to Educational Psychology	4	<input type="checkbox"/> minimum grade of B-; satisfies Gen Ed. SB
MLED 331 Disciplinary Literacies with Young Adolescents	4	<input type="checkbox"/> Prereq. MLED 230 or by consent of dept. chair
SED 301 Discourses, Literacies, and Technologies of Learning (F)*	2	<input type="checkbox"/> 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	<input type="checkbox"/> Prereq. Concurrent with SED 301
Requirements and GPA		<input type="checkbox"/> Minimum of 2.75 GPA overall; minimum of B- in Education courses <input type="checkbox"/> Minimum GPA of 2.50 in Science major
# CREDITS EARNED	16	<input type="checkbox"/> Make appointment in Sept. with both advisors to discuss your schedule for next semester

<b>SEMESTER 6</b>	<b>CR</b>	<b>SEMESTER 6 CHECKPOINTS ✓</b>
PHYS 102 Physics for Science and Mathematics II*	4	<input type="checkbox"/> Prereq PHYS 101; minimum grade of C; satisfies Gen Ed. AQSR
SED 316 Practicum in Secondary Education: Science (Sp)*	4	<input type="checkbox"/> Prereq. SED 303 and 28 completed credits in the major; minimum grade of B-
SPED 333 Introduction to Special Education*	3	<input type="checkbox"/> Prereq. is SED 202; minimum grade of B-
TESL 401 Introduction to Teaching Emergent Bilinguals*	4	<input type="checkbox"/> Prereq. FNED 246
Gen Ed course from Arts (A) or Literature (L), if needed.	Su +4	<input type="checkbox"/> Gen Ed Arts and Literature completed; take over summer to keep on track for four years if still needed.
Requirements and GPA		<input type="checkbox"/> Minimum of 2.75 GPA overall; minimum of B- in Education courses <input type="checkbox"/> Minimum GPA of 2.50 in Science major <input type="checkbox"/> Attend Office of Partnerships and Placements orientation for student teachers; apply for student teaching <input type="checkbox"/> Praxis II Principles of Learning and Teaching Exam (ETS# 5624 – Passing Score: 157) <input type="checkbox"/> Meet with research advisor <input type="checkbox"/> Praxis II Biology Content Knowledge Exam (ETS# 5235 – Passing Score: 157) <input type="checkbox"/> Apply for degree audit online through MyRIC
# CREDITS EARNED	15	<input type="checkbox"/> Make appointment in Feb. with both advisors to discuss your schedule for next semester

**ACADEMIC RHODE MAP  
BA GENERAL SCIENCE SECONDARY EDUCATION MAJOR**



<b>SEMESTER 7</b>	<b>CR</b>	<b>SEMESTER 7 CHECKPOINTS ✓</b>
Gen Ed Connections (C)*	4	<input type="checkbox"/> Prereq. for (C) is 45 credits, FYW and FYS
XXXX 491 Research in BIOL, CHEM, PHYS, or PSCI	1	<input type="checkbox"/> Prereqs. vary—see catalog; minimum grade of C
MLED 332 Curriculum and Assessment for Young Adolescents*	4	<input type="checkbox"/> Prereqs. MLED 230 and MLED 331 or consent of dept. chair
SED 416 Socio-Scientific Issues in the Classroom (F)*	4	<input type="checkbox"/> Prereq. SED 303
SPED 433 Special Education: Best Practices and Applications* OR TESL 402 Applications of Second Language Acquisition Theory*	3	<input type="checkbox"/> Prereq. for SPED 433 is SPED 333; minimum grade of B- <input type="checkbox"/> Prereq. for TESL 402 is TESL 401; minimum grade of B-
Requirements and GPA		<input type="checkbox"/> Minimum of 2.75 GPA overall; minimum of B- in Education courses <input type="checkbox"/> Minimum GPA of 2.50 in Science major
# CREDITS EARNED	16	<input type="checkbox"/> Make appointment in Sept. with Education advisor to discuss your schedule for next semester

<b>SEMESTER 8</b>	<b>CR</b>	<b>SEMESTER 8 CHECKPOINTS ✓</b>
SED 420 Introduction to Student Teaching (Sp)*	2	<input type="checkbox"/> Concurrent enrollment in SED 421 and SED 422. Must have completed all other required courses.
SED 421 Student Teaching in the Secondary School (Sp)*	7	<input type="checkbox"/> Concurrent enrollment in SED 420 and 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	<input type="checkbox"/> Concurrent enrollment in SED 420 and SED 421. Must have completed all other required courses.
Requirements and GPA		<input type="checkbox"/> Need minimum of 120 earned credits (you will have more) <input type="checkbox"/> Completion of all General Science content coursework <input type="checkbox"/> Minimum of 2.75 GPA overall <input type="checkbox"/> Minimum of B- in Education courses
# CREDITS EARNED	12	Attend Gradfest and Commencement

For more information, check the Education Studies Department website:

<http://www.ric.edu/educationalStudies/Pages/default.aspx>

**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: The total credit count for the SED/General Science major is 89 credits (without MLED), although 20 of those may be offset against Gen Ed. courses (AQSR, H, M, NS, SB), which leaves 20 more credits of Gen Ed. and possibly 9 more depending on secondary language needs and RIC 100. The minimum credit count will be 109 credits (without secondary language or RIC 100), leaving a possible 11 elective credits.**