

**ACADEMIC RHODEMAP
BA GENERAL SCIENCE SECONDARY EDUCATION MAJOR**



GENERAL EDUCATION: A complete listing of General Education courses can be found at the Office of Academic Support and Information Services (OASIS) or online at <https://www.ric.edu/recordsoffice/catalog.php>; 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, 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; (Su) Summer. All courses marked with an asterisk * have a prerequisite.

| ACADEMIC MAJOR CHECKLIST | COURSE | EDUCATION COURSES | COURSE |
|---|---------------|--|---------------|
| BIOL 111 Introductory Biology I* | | CEP 315 Educational Psychology* | |
| BIOL 112 Introductory Biology II* | | FNED 346 Schooling in a Democratic Society* | |
| CHEM 103 General Chemistry I* | | SED 406 Instructional Methods, Design, and Tech. (F)* | |
| CHEM 104 General Chemistry II* | | SED 407 Instructional Methods, Design, and Literacy (Sp)* | |
| PHYS 101 General Physics I (F, Su)* | | SED 411 Content and Pedagogy in Secondary Ed.* (F) | |
| PHYS 102 General Physics II Sp, Sum)* | | SED 412 Field Practicum* (F) | |
| PSCI 212 Geology (F, Su) | | SED 421 and SED 422 Student Teaching* | |
| PSCI 217 Oceanography (Sp) | | SPED 433 Adaptation of Instruction for Inclusive Ed.* | |
| PSCI 357 Historical & Contemporary Contexts of Science* | | | |
| MATH 209 Pre-calculus* | | Also for the Major: | |
| MATH 212 Calculus I* | | THREE courses at the 300-level or higher in BIOL, CHEM, PHYS, and PSCI; TWO of the courses must be from the same discipline* | |
| MATH 240 Statistical Methods I* | | | |
| Research in Science course 491 (BIOL, CHEM, PHYS or PSCI) | | | |

NOTE: It is highly recommended that students also take the four 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 RhodeMap 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
- 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.
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| SEMESTER 1 | CR | SEMESTER 1 CHECKPOINTS ✓ |
|---|-----------|---|
| 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 www.ric.edu/firstyearwriting |
| 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; minimum grade of C |
| 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); History (H); Literature (L), or Social and Behavioral Sciences (SB) | 4 | <input type="checkbox"/> Language placement test with Dept. of Modern Languages (optional) <input type="checkbox"/> Complete Second Lang 101 (if needed) |
| Requirements and GPA | | <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 |
| # CREDITS EARNED | 16 | <input type="checkbox"/> Make appointment in Sept. with Content advisor to discuss your schedule for next semester |

| SEMESTER 2 | CR | SEMESTER 2 CHECKPOINTS ✓ |
|--|-----------|---|
| 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 102* (if needed), or other needed Gen Ed course. | 4 | <input type="checkbox"/> Complete Second Lang 102*, grade C or better (if needed) |
| SUMMER SESSION: Gen Ed distribution | (4) Su | <input type="checkbox"/> Strongly recommend to be able to complete in 4 years |
| Requirements and GPA | | <input type="checkbox"/> Aim for minimum of 32 earned credits <input type="checkbox"/> Minimum 2.75 overall GPA; 2.50 in the Major |
| # CREDITS EARNED | 16+4 (Su) | <input type="checkbox"/> Make appointments with content and Secondary Education advisors in Feb. to discuss your schedule for next semester |

| SEMESTER 3 | CR | SEMESTER 3 CHECKPOINTS ✓ |
|--|-----------|---|
| MATH 209 Precalculus Mathematics* | 4 | <input type="checkbox"/> Prereqs. MATH 120 or by consent; minimum grade of C <input type="checkbox"/> Satisfies Gen Ed Mathematics (M) |
| PSCI 212 Introduction to Geology (F, Su) | 4 | <input type="checkbox"/> Minimum grade of C |
| FNED 346 Schooling in a Democratic Soc.* | 4 | <input type="checkbox"/> Prereq. FYW with minimum grade of B; minimum grade of B- in FNED 346. |
| Any needed Gen Ed Distribution course | 4 | |
| Requirements and GPA | | <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 |
| # CREDITS EARNED | 16 | <input type="checkbox"/> Make appointments with content advisor and Secondary Education advisor in Sept. to discuss your schedule for next semester. |

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| SEMESTER 4 | CR | SEMESTER 4 CHECKPOINTS ✓ |
|---|-------------|---|
| MATH 212 Calculus I* | 4 | <input type="checkbox"/> Prereq is MATH 209; minimum grade of C |
| PSCI 217 Introduction to Oceanography (Sp) | 4 | <input type="checkbox"/> Prereq. CHEM 205; minimum grade of C |
| Gen Ed Connections (C)* OR PSCI 357 Historical & Contemporary Contexts of Science* if being offered | 3-4 | <input type="checkbox"/> Prereq. for (C) is 45 credits, FYW and FYS <input type="checkbox"/> Prereq. for PSCI 357 is any Gen Ed NS |
| MLED 310 Teaching Early Adolescents* | 3 | <input type="checkbox"/> Prereq. CEP 315 or consent; minimum grade of B- |
| SUMMER SESSION: Gen Ed distribution, and 300 level Science elective | (7-8) Su | <input type="checkbox"/> Strongly recommend to be able to complete in 4 years |
| 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 | 15-16 | <input type="checkbox"/> Make appointment in Feb. with both advisors to discuss your schedule for next semester |

| SEMESTER 5 | CR | SEMESTER 5 CHECKPOINTS ✓ |
|--|-----------|---|
| 300/400 level Science elective | 3-4 | <input type="checkbox"/> Prereqs vary—see catalog; minimum grade of C |
| PHYS 101 General Physics I (F, Su) | 4 | <input type="checkbox"/> Minimum grade of C |
| MLED 320 Middle School Organization and Integrated Curriculum* | 3 | <input type="checkbox"/> Prereq. MLED 310 and concurrent with SED 407, or consent; minimum grade of B- |
| CEP 315 Educational Psychology* | 3 | <input type="checkbox"/> Prereq. Admission to FSEHD; minimum grade of B- |
| SED 406 Instructional Methods, Design, and Tech. (F)* | 3 | <input type="checkbox"/> Prereq. Admission to FSEHD; 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 | 18 | <input type="checkbox"/> Make appointment in Sept. with both advisors to discuss your schedule for next semester |

| SEMESTER 6 | CR | SEMESTER 6 CHECKPOINTS ✓ |
|---|-------------|--|
| Gen Ed Connections (C)* OR PSCI 357 Historical & Contemporary Contexts of Science* if being offered | 3-4 | <input type="checkbox"/> Prereq. for (C) is 45 credits, FYW and FYS <input type="checkbox"/> Prereq. for PSCI 357 is any Gen Ed NS; complete both |
| MLED 330 Interdisciplinary Reading and Writing in Middle Schools* | 3 | <input type="checkbox"/> Prereq. MLED 320 and concurrent with SED 407, or consent; minimum grade of B- |
| PHYS 102 General Physics II (Sp, Su) | 4 | <input type="checkbox"/> Prereq PHYS 101; minimum grade of C |
| SPED 433 Adaptation of Instruction for Inclusive Ed.* | 3 | <input type="checkbox"/> Prereq. SED 406; minimum grade of B- |
| SED 407 Instructional Methods, Design, and Literacy (Sp)* | 3 | <input type="checkbox"/> Prereq. SED 406; minimum grade of B- |
| SUMMER SESSION: Gen Ed distribution, and 300 level Science elective | (7-8) Su | <input type="checkbox"/> Strongly recommend to be able to complete in 4 years |
| 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 | 16-17 | <input type="checkbox"/> Make appointment in Feb. with both advisors to discuss your schedule for next semester |

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| SEMESTER 7 | CR | SEMESTER 7 CHECKPOINTS ✓ |
|---|-----------|---|
| SED 411 Content and Pedagogy in Secondary Ed. (F)* | 4 | <input type="checkbox"/> Prereq. SED 407, concurrent with SED 412, minimum grade of B- |
| SED 412 Field Practicum in Secondary Ed.(F)* | 2 | <input type="checkbox"/> Prereq. SED 407, concurrent with SED 411, minimum grade of B- |
| MLED 340 Differentiated Elements in Middle Level Instruction* | 3 | <input type="checkbox"/> Prereq. MLED 330; minimum grade of B- |
| XXXX 491 Research in BIOL, CHEM, PHYS, or PSCI | 1 | <input type="checkbox"/> Prereqs. vary—see catalog; minimum grade of C |
| MATH 240 Statistical Methods I* | 4 | <input type="checkbox"/> Prereq MATH120 or consent; minimum grade of C |
| 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 | 14 | <input type="checkbox"/> Make appointment in Sept. with Education advisor to discuss your schedule for next semester |

| SEMESTER 8 | CR | SEMESTER 8 CHECKPOINTS ✓ |
|-----------------------------------|-----------|---|
| SED 421 Student Teaching* | 10 | <input type="checkbox"/> Satisfactory Recommendation |
| SED 422 Student Teaching Seminar* | 2 | <input type="checkbox"/> Minimum grade of B- <input type="checkbox"/> Teacher Candidate Work Sample |
| Requirements and GPA | | <input type="checkbox"/> Need minimum of 120 earned credits (you will have more) <input type="checkbox"/> Completion of all content coursework <input type="checkbox"/> Minimum of 2.75 GPA overall <input type="checkbox"/> Minimum GPA of 2.50 in Science major <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 310 Teaching Early Adolescents*; MLED 320 Middle School Organization and Integrated Curriculum*; MLED 330 Interdisciplinary Reading and Writing in Middle Schools*; and MLED 340 Differentiated Elements in Middle Level Instruction* (12 credits) These have been included on this Map.

NOTE: The total credit count for the SED/General Science major is 91 credits (without MLED), although 12 of those may be offset against Gen Ed. courses (AQSR, M, NS), which leaves 28 more credits of Gen Ed. and possibly 8 more depending on secondary language needs. The minimum credit count will be 119 credits (without secondary language), leaving 1 elective credit.