

ACADEMIC RHODE MAP
BS HEALTH SCIENCES MAJOR
Concentration in Medical Laboratory Sciences



RHODE ISLAND COLLEGE

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 | Academic Major Checklist | Course |
|---|--------|---|--------|
| BIOL 108 Basic Principles of Biology* | | MATH 240 Statistical Methods I* | |
| BIOL 231 Human Anatomy* | | MEDT 301 Clinical Microbiology (F)* | |
| BIOL 335 Human Physiology* | | MEDT 302 Clinical Chemistry (Sp)* | |
| BIOL 348 Microbiology* | | MEDT 303 Immunohematology (F)* | |
| BIOL 429 Medical Microbiology* | | MEDT 304 Hematology (Sp)* | |
| CHEM 103 General Chemistry I* | | MEDT 305 Pathophysiology (F)* | |
| CHEM 104 General Chemistry II* | | MEDT 306 Clinical Immunology (Sp)* | |
| CHEM 205 Organic Chemistry I (F, Su)* | | MEDT 307 Clinical Microscopy (F)* | |
| CHEM 206 Organic Chemistry II (Sp, Su)* | | PHYS 101 Physics for Science and Mathematics I* | |
| CHEM 310 Biochemistry (F)* | | PSYC 110 Introduction to Psychology | |
| CSCI 101 Introduction to Computers* | | SOC 200 Society and Social Behavior | |
| MATH 209 Precalculus Mathematics* | | | |

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)
- Academic Major—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 overall grade point average of 2.0
- A minimum grade point average of 2.0 in your major

Approved by Program Director: Eric Hall Date 5/29/2016

Approved by Undergraduate Curriculum Committee: Date 5/31/2016

Revised: 6/1/2019

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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 6 credits. To decide which FYW to take, see Directed Self-Placement test at www.ric.edu/firstyearwriting |
| RIC 100 Introduction to Rhode Island College | 1 | <input type="checkbox"/> Exempt if taking COLL 101, COLL 150, or HONR 150 |
| Gen Ed--Second Lang 101 (based on placement, a course higher than 101/102 may be taken). If language requirement satisfied: another Gen Ed Distribution course. | 4 | <input type="checkbox"/> Language placement test with Dept. of Modern Languages (optional) <input type="checkbox"/> Complete Second Lang 101 (if needed) |
| CHEM 103 General Chemistry I (Gen Ed Natural Science) | 4 | <input type="checkbox"/> Prerequisite is Math competency/placement; Minimum grade of C- |
| BIOL 108 Basic Principles of Biology* | 4 | <input type="checkbox"/> Prereq. is Math competency; Minimum grade of C |
| 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 2.0 GPA |
| # CREDITS EARNED | 16 | <input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester in Sept. |

| SEMESTER 2 | CR | SEMESTER 2 CHECKPOINTS ✓ |
|---|-----------|---|
| FYW 100 or FYS 100 | 4 | <input type="checkbox"/> Complete FYS and FYW, for FYW, grade C or better |
| CHEM 104 General Chemistry II* | 4 | <input type="checkbox"/> Prereq. CHEM 103 with a minimum of C- |
| BIOL 231 Human Anatomy* | 4 | <input type="checkbox"/> Prereq. minimum of C in BIOL 108 |
| Gen Ed--Second Lang 102* (if needed), or another Gen Ed Distribution course in a needed category. | 4 | <input type="checkbox"/> Complete Second Lang 102*, grade C or better (if needed) |
| Requirements and GPA | | <input type="checkbox"/> Need a minimum of 30 earned credits <input type="checkbox"/> Minimum 2.0 GPA |
| # CREDITS EARNED | 16 | <input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester in Feb. |

| SEMESTER 3 | CR | SEMESTER 3 CHECKPOINTS ✓ |
|--|-----------|--|
| PSYC 110 Introduction to Psychology Gen Ed. Social Behavioral Science (SB) | 4 | |
| CHEM 205 Organic Chemistry I (F, Su)* | 4 | <input type="checkbox"/> Prereq. is CHEM 104 with a minimum of C- |
| MATH 209 Precalculus I* (Gen Ed Mathematics)* | 4 | <input type="checkbox"/> Prereq. MATH 120, or appropriate score on mathematics placement exam |
| Gen Ed Distribution course from one of these Gen Ed categories: Arts (A); History (H); or Literature (L). | 4 | |
| Requirements and GPA | | <input type="checkbox"/> Need minimum of 45 earned credits, <input type="checkbox"/> Minimum of 2.0 GPA |
| # CREDITS EARNED | 15 | <input type="checkbox"/> Make appointment with advisor in Sept. to discuss your schedule for next semester, and discuss possible minor |

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| SEMESTER 4 | CR | SEMESTER 4 CHECKPOINTS ✓ |
|--|-----------|---|
| BIOL 335 Human Physiology* | 4 | <input type="checkbox"/> Prereq. BIOL 108 and 231 <input type="checkbox"/> Satisfies Gen Ed- Advanced Quantitative/Scientific Reasoning (AQR) |
| CHEM 206 Organic Chemistry II (Sp, Su)* | 4 | <input type="checkbox"/> Prereq. CHEM 205 |
| CSCI Introduction to Computers* | 3 | <input type="checkbox"/> Prereq. Math competency |
| Gen Ed Distribution course from one of these GE categories: Arts (A); History (H); or Literature (L), or elective | 3-4 | |
| Requirements and GPA | | <input type="checkbox"/> Need minimum of 60 earned credits <input type="checkbox"/> Minimum of 2.0 GPA <input type="checkbox"/> Minimum GPA of 2.0 in major |
| # CREDITS EARNED | 15 | <input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester in Feb |

| SEMESTER 5 | CR | SEMESTER 5 CHECKPOINTS ✓ |
|---|-----------|--|
| BIOL 348 Microbiology* | 4 | <input type="checkbox"/> Prereqs. BIOL 108 with a minimum of C |
| CHEM 310 Biochemistry* (F) | 4 | <input type="checkbox"/> Prereq. CHEM 206 |
| PHYS 101 Physics for Science and Mathematics I* | 4 | <input type="checkbox"/> Prereq. MATH 120 or appropriate score on mathematics placement exam |
| Gen Ed Distribution course from one of these GE categories: Arts (A); History (H); or Literature (L); or Social and Behavioral Science (SB), or elective | 3-4 | |
| Requirements and GPA | | <input type="checkbox"/> Aim for minimum of 75 earned credits <input type="checkbox"/> Minimum of 2.0 GPA <input type="checkbox"/> Minimum GPA of 2.0 in major |
| # CREDITS EARNED | 15-16 | <input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester in Sept. |

| SEMESTER 6 | CR | SEMESTER 6 CHECKPOINTS ✓ |
|---------------------------------------|-----------|--|
| Choose Connections course (Gen Ed-C)* | 4 | <input type="checkbox"/> Prereqs are 45 earned credits and FYW and FYS. |
| BIOL 429 Medical Microbiology* | 4 | <input type="checkbox"/> Prereq. BIOL 348, CHEM 205 and CHEM 206 |
| MATH 240 Statistical Methods I* | 4 | <input type="checkbox"/> Prereq. math competency or appropriate score on mathematics placement exam |
| SOC 200 Society and Social Behavior | 4 | |
| Requirements and GPA | | <input type="checkbox"/> Aim for minimum of 90 earned credits <input type="checkbox"/> Minimum of 2.0 GPA <input type="checkbox"/> Minimum GPA of 2.0 in major <input type="checkbox"/> Apply for degree audit online through MyRIC |
| # CREDITS EARNED | 16 | <input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester in Feb. |

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| SEMESTER 7 | CR | SEMESTER 7 CHECKPOINTS ✓ |
|-------------------------------------|-----------|--|
| MEDT 301 Clinical Microbiology (F)* | 8 | <input type="checkbox"/> Prereq. acceptance into Med. Lab Science program |
| MEDT 303 Immunohematology (F)* | 4 | <input type="checkbox"/> Prereq. acceptance into Med. Lab Science program |
| MEDT 305 Pathophysiology (F)* | 2 | <input type="checkbox"/> Prereq. acceptance into Med. Lab Science program |
| MEDT 307 Clinical Microscopy (F)* | 2 | <input type="checkbox"/> Prereq. acceptance into Med. Lab Science program |
| Requirements and GPA | | <input type="checkbox"/> All ten GE courses and second lang. req. completed <input type="checkbox"/> Aim for minimum of 105 earned credits <input type="checkbox"/> Minimum of 2.0 GPA <input type="checkbox"/> Minimum GPA of 2.0 in major |
| # CREDITS EARNED | 16 | <input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester in Sept. |

| SEMESTER 8 | CR | SEMESTER 8 CHECKPOINTS ✓ |
|------------------------------------|-----------|--|
| MEDT 302 Clinical Chemistry (Sp)* | 8 | <input type="checkbox"/> Prereq. acceptance into Med. Lab Science program |
| MEDT 304 Hematology (Sp)* | 6 | <input type="checkbox"/> Prereq. acceptance into Med. Lab Science program |
| MEDT 306 Clinical Immunology (Sp)* | 2 | <input type="checkbox"/> Prereq. acceptance into Med. Lab Science program |
| Requirements and GPA | | <input type="checkbox"/> Need minimum of 120 earned credits <input type="checkbox"/> Minimum of 2.0 GPA <input type="checkbox"/> Minimum GPA of 2.0 in major |
| # CREDITS EARNED | 16 | Attend Gradfest and Commencement |

For more information, check the Health Science Department website:

<http://www.ric.edu/biology/Pages/Health-Sciences.aspx>

NOTE: The total credit count for Health Science (concentration in Medical Laboratory Services) major is 95 credits, although 16 of those may be offset against Gen Ed. courses (AQSR, NS, M, SB), which leaves 24 more credits of Gen Ed. and possibly 9 more depending on secondary language needs and RIC 100. The minimum credit count will be 119 credits (without secondary language or RIC 100), which could leave 1 elective credit.