

# Academic Rhode Map for BS Health Sciences Major at Rhode Island College with Concentration in Medical Laboratory Sciences

- 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

<b>GENERAL EDUCATION REQUIREMENTS CHECKLIST</b>			
	<b>FYW 100</b> – Taken in first year (Cannot be used as elective)	<b>Distribution Courses -</b>  One from each category	<b>Math (M)</b> - Suggested in first year - Satisfied by MATH 240
	<b>FYS 100</b> – Taken in first year (Cannot be used as elective)		<b>Arts (A)</b>
	<b>Connections</b> – Taken after FYW & FYS		<b>History/Philosophy (HP)</b>
			<b>Literature/Language (LL)</b>
			<b>Natural Science (NS)</b> – Satisfied by BIOL 201 and 202
			<b>Social &amp; Behavioral Sciences (SB)</b>
			<b>Elective(s) for 40 total Gen Ed credits (E)</b> Satisfied by BIOL 203 and 204

Academic Major Checklist	Course	Academic Major Checklist	Course
BIOL 201 and BIOL 202 Anatomy and Physiology I (Lecture and Lab)		ENGL 233W Writing for the Health Professions	
BIOL 203 and BIOL 204 Anatomy and Physiology II (Lecture and Lab)		MATH 240 Statistical Methods I	
BIOL 348 Microbiology		MEDT 301 Clinical Microbiology	
BIOL 429 Medical Microbiology 4 cr OR BIOL 431 Immunology 3 cr		MEDT 302 Clinical Chemistry	
		MEDT 303 Immunohematology	
CHEM 103 General Chemistry I		MEDT 304 Hematology	
CHEM 104 General Chemistry II		MEDT 305 Pathophysiology	
CHEM 205W Organic Chemistry I		MEDT 306 Clinical Immunology	
CHEM 206W Organic Chemistry II		MEDT 307 Clinical Microscopy	
CSCI 102 Computer Fundamentals for Cyber Security		PHYS 101 Physics for Science and Mathematics I	

### 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

**The total credit count for the major is 79-80 credits, and 40 credits for General Education. However, 12 Gen. Ed. credits for M, NS and Elective can double count, so the program can be completed in 107-108 credits.**

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<b>SEMESTER 1</b>	<b>CR</b>	<b>SEMESTER 1 NOTES</b>
FYW 100 First Year Writing <b>OR</b> FYS 100 First Year Seminar	<b>4</b>	FYW Directed Self Placement exam
RIC 100 Introduction to Rhode Island College General Education Course (Any needed)	<b>1</b> <b>3-4</b>	Exempt if taking COLL 101, COLL 150, or HONR 150
CHEM 103 General Chemistry I (Gen Ed Natural Science)	<b>4</b>	Prerequisite for either is Math Milestone/ Math Placement Exam; Minimum grade of C- for either.
BIOL 201 and BIOL 202 Anatomy and Physiology I (Lecture and Lab) (NS)	<b>4</b>	BIOL 201 requires concurrent/previous completion of BIOL 202 Prereq = Math Milestone. Satisfied Gen Ed Natural Science (NS)
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 2.0 GPA</i>
# CREDITS EARNED	<b>16-17</b>	<i>Make appointment with advisor to discuss your schedule for next semester in Oct.</i>

<b>SEMESTER 2</b>	<b>CR</b>	<b>SEMESTER 2 NOTES</b>
FYW 100 or FYS 100	<b>4</b>	Complete FYS and FYW, for FYW, grade C or better
CHEM 104 General Chemistry II	<b>4</b>	Prereq. CHEM 103 with a minimum of C-
BIOL 203 and BIOL 204 Anatomy and Physiology II (Lecture and Lab)	<b>4</b>	Prereq = BIOL 201 and BIOL 202 with a grade of C or better BIOL 203 requires concurrent or previous completion of BIOL 204. Satisfies GE Elective
General Education Course (Any needed)	<b>3-4</b>	
Requirements and GPA		<i>Need a minimum of 30 earned credits. Minimum 2.0 GPA</i>
# CREDITS EARNED	<b>15-16</b>	<i>Make appointment with advisor to discuss your schedule for next semester in March.</i>

<b>SEMESTER 3</b>	<b>CR</b>	<b>SEMESTER 3 NOTES</b>
CHEM 205W Organic Chemistry I (WID)	<b>4</b>	Prereq. is CHEM 104 with a minimum of C-
MATH 209 Precalculus I Recommended not required	<b>4</b>	Prereq. MATH 120, or appropriate score on Mathematics Placement Exam
ENGL 233W Writing for the Health Professions (WID)	<b>4</b>	Prereqs. are any FYW or completion of the college writing requirement
General Education Course (Any needed)	<b>3-4</b>	
Requirements and GPA		<i>Need minimum of 45 earned credits, with minimum of 2.0 GPA overall and in the major</i>
# CREDITS EARNED	<b>15-16</b>	<i>Make appointment with advisor in Oct. to discuss your schedule for next semester, and discuss possible minor</i>

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<b>SEMESTER 4</b>	<b>CR</b>	<b>SEMESTER 4 NOTES</b>
CHEM 206W Organic Chemistry II (WID)	4	Prereq. CHEM 205
CSCI 102 Computer Fundamentals for Cyber Security	4	Prereq. Math Milestone
General Education Course (Any needed)	3-4	
General Education Course (Any needed), or elective	3-4	
Requirements and GPA		<i>Need minimum of 60 earned credits, with minimum of 2.0 GPA overall and in the major</i>
# CREDITS EARNED	14-16	<i>Make appointment with advisor to discuss your schedule for next semester in March</i>

<b>SEMESTER 5</b>	<b>CR</b>	<b>SEMESTER 5 NOTES</b>
BIOL 348 Microbiology	4	Prereqs. BIOL 201 and BIOL 202 with a grade of C or better
PHYS 101 Physics for Science and Mathematics I	4	Prereq. MATH 120 or appropriate score on Mathematics Placement Exam
General Education Course (Any needed)	3-4	
General Education Course (Any needed)	3-4	
Requirements and GPA		<i>Aim for minimum of 75 earned credits, with minimum of 2.0 GPA overall and in the major</i>
# CREDITS EARNED	14-16	<i>Make appointment with advisor to discuss your schedule for next semester in Oct.</i>

<b>SEMESTER 6</b>	<b>CR</b>	<b>SEMESTER 6 NOTES</b>
Choose Connections course (Gen Ed-C)	4	Prereqs = FYW and FYS.
BIOL 429 Medical Microbiology or BIOL 431 Immunology	3-4	Prereq. BIOL 429 = BIOL 348, CHEM 205 and CHEM 206 Prereq. BIOL 431 = BIOL 111, BIOL 112 with grade of C or better, CHEM 205 or by consent of department chair
MATH 240 Statistical Methods I	4	Prereq. Math Milestone or appropriate score on Mathematics Placement Exam
General Education Course (Any needed), or elective	3-4	
Requirements and GPA		<i>Aim for minimum of 90 earned credits, with minimum of 2.0 GPA overall and in the major. Apply for degree audit online through MyRIC</i>
# CREDITS EARNED	15-16	<i>Make appointment with advisor to discuss your schedule for next semester in March.</i>

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<b>SEMESTER 7</b>	<b>CR</b>	<b>SEMESTER 7 NOTES</b>
MEDT 301 Clinical Microbiology	8	Prereq. acceptance into Med. Lab Science program
MEDT 303 Immunohematology	4	Prereq. acceptance into Med. Lab Science program
MEDT 305 Pathophysiology	2	Prereq. acceptance into Med. Lab Science program
MEDT 307 Clinical Microscopy	2	Prereq. acceptance into Med. Lab Science program
Requirements and GPA		<i>All GE courses completed Aim for minimum of 105 earned credits, with minimum of 2.0 GPA overall and in the major</i>
# CREDITS EARNED	16	<i>Make appointment with advisor to discuss your schedule for next semester in Oct.</i>

<b>SEMESTER 8</b>	<b>CR</b>	<b>SEMESTER 8 NOTES</b>
MEDT 302 Clinical Chemistry	8	Prereq. acceptance into Med. Lab Science program
MEDT 304 Hematology	6	Prereq. acceptance into Med. Lab Science program
MEDT 306 Clinical Immunology	2	Prereq. acceptance into Med. Lab Science program
Requirements and GPA		<i>Need minimum of 120 earned credits, with minimum of 2.0 GPA overall and in the major</i>
# CREDITS EARNED	16	<i>Attend Gradfest and Commencement</i>

Approved by Program Director: Eric Hall

Date: 12/10/2024

Approved by Undergraduate Curriculum Committee

Date: 12/9/2024

Revised: