

**ACADEMIC RHODEMAP**  
**BS HEALTH SCIENCES MAJOR**  
**Concentration in Food Safety**



**RHODE ISLAND COLLEGE**

**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 <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, 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	Academic Major Checklist	Course
BIOL 108 Basic Principles of Biology*		HSCI 202 Fundamentals of Food Poisoning (Sp)	
BIOL 231 Human Anatomy*		HSCI 300 Food Chemistry (F)*	
BIOL 335 Human Physiology*		HSCI 302 Hazard Analysis and Critical Control Points (Sp)*	
BIOL 348 Microbiology*		HSCI 400 Quality Assurance of Food Products (F)*	
CHEM 103 General Chemistry I*		HSCI 403 Food Borne Disease (F)*	
CHEM 104 General Chemistry II*		HSCI 404 Food Microbiology (Sp)*	
CHEM 205 Organic Chemistry I (F, Su)*		HSCI 405 Food Safety Case Study (Sp)*	
CHEM 206 Organic Chemistry II (Sp, Su)*		HSCI 494 Independent Study in Health Sciences*	
CHEM 310 Biochemistry (F)*		MATH 212 Calculus I*	
HPE 221 Nutrition		MATH 240 Statistical Methods I*	
HSCI 100 Introduction to Food Safety (F)		PHYS 110 Introductory Physics*	
HSCI 102 Food Plant Sanitation (Sp)			

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)
- 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

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<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 6 credits. To decide which FYW to take, see Directed Self-Placement test at <a href="http://www.ric.edu/firstyearwriting">www.ric.edu/firstyearwriting</a>
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; Minimum grade of C-
HSCI 100 Introduction to Food Safety	3	
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	15	<input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester in Sept.

<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 C or better
CHEM 104 General Chemistry II*	4	<input type="checkbox"/> Prereq. CHEM 103 with a minimum of C-
HSCI 102 Food Plant Sanitation (Sp)	3	
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	15	<input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester in Feb.

<b>SEMESTER 3</b>	<b>CR</b>	<b>SEMESTER 3 CHECKPOINTS ✓</b>
BIOL 108 Basic Principles of Biology (Gen Ed NS)*	4	<input type="checkbox"/> Prereq. is Math competency; Minimum grade of C
CHEM 205 Organic Chemistry I (F, Su)*	4	<input type="checkbox"/> Prereq. is CHEM 104 with a minimum of C-
MATH 212 Calculus I* (Gen Ed Mathematics)*	4	<input type="checkbox"/> Prereq. MATH 209, or consent
HPE 221 Nutrition	3	
Gen Ed Distribution course from <b>one</b> of these Gen Ed categories: Arts (A); History (H); Literature (L), or Social and Behavioral Science (SB).	4	
Requirements and GPA		<input type="checkbox"/> Need minimum of 45 earned credits, <input type="checkbox"/> Minimum of 2.0 GPA
# CREDITS EARNED	18	<input type="checkbox"/> Make appointment with advisor in Sept. to discuss your schedule for next semester, and discuss possible minor

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<b>SEMESTER 4</b>	<b>CR</b>	<b>SEMESTER 4 CHECKPOINTS ✓</b>
BIOL 231 Human Anatomy*	4	<input type="checkbox"/> Prereq. minimum of C in BIOL 108
CHEM 206 Organic Chemistry II (Sp, Su)*	4	<input type="checkbox"/> Prereq. CHEM 205
HSCI 202 Fundamentals of Food Poisoning (Sp)	3	<input type="checkbox"/> Prereq. HSCI 102
Gen Ed Distribution course from <b>one</b> of these GE categories: Arts (A); History (H); or Literature (L); or Social and Behavioral Science (SB).	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

<b>SEMESTER 5</b>	<b>CR</b>	<b>SEMESTER 5 CHECKPOINTS ✓</b>
BIOL 335 Human Physiology* (Gen Ed-Advanced Quantitative/Scientific Reasoning)	3	<input type="checkbox"/> Prereq. BIOL 108 and 231
CHEM 310 Biochemistry* (F)	4	<input type="checkbox"/> Prereq. CHEM 206
HSCI 300 Food Chemistry (F)*	3	<input type="checkbox"/> Prereq. CHEM 206
MATH 240 Statistical Methods I*	4	<input type="checkbox"/> Prereq. MATH 120 or consent
Gen Ed Distribution course from <b>one</b> of these GE categories: Arts (A); History (H); or Literature (L); or Social and Behavioral Science (SB), or elective	3-4	<input type="checkbox"/>
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	17-18	<input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester in Sept.

<b>SEMESTER 6</b>	<b>CR</b>	<b>SEMESTER 6 CHECKPOINTS ✓</b>
Choose Connections course (Gen Ed-C)*	4	<input type="checkbox"/> Prereqs are 45 earned credits and FYW and FYS.
BIOL 348 Microbiology*	4	<input type="checkbox"/> Prereqs. BIOL 108 with a minimum of C
HSCI 302 Hazard Analysis and Critical Control Points (Sp)*	3	<input type="checkbox"/> Prereqs. BIOL 108 and CHEM 104
PHYS 110 Introductory Physics	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	15	<input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester in Feb.

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<b>SEMESTER 7</b>	<b>CR</b>	<b>SEMESTER 7 CHECKPOINTS ✓</b>
HSCI 400 Quality Assurance of Food Products (F)*	3	<input type="checkbox"/> Prereq. BIOL 348
HSCI 403 Food Borne Disease (F)*	3	<input type="checkbox"/> Prereq. BIOL 348
Gen Ed Distribution course from <b>one</b> of these GE categories: Arts (A); History (H); or Literature (L); or Social and Behavioral Science (SB), or elective	3-4	
Elective	3-4	
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	12-14	<input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester in Sept.

<b>SEMESTER 8</b>	<b>CR</b>	<b>SEMESTER 8 CHECKPOINTS ✓</b>
HSCI 494 Independent Study in Health Sciences*	4	<input type="checkbox"/> Prereqs. consent of instructor, department chair and dean
HSCI 404 Food Microbiology (Sp)*	1	<input type="checkbox"/> Prereq. is BIOL 348
HSCI 405 Food Safety Case Study (Sp)*	3	<input type="checkbox"/> Prereq. is HSCI 400
Elective	4	<input type="checkbox"/> Need 12 credits to be full time
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	12	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 Food Safety) major is 80 credits, although 12 of those may be offset against Gen Ed. courses (AQSR, NS, M), which leaves 28 more credits of Gen Ed. and possibly 8 more depending on secondary language needs. The minimum credit count will be 108 credits (without secondary language), which would leave 12 elective credits.