- This Rhode Map is a suggested pathway to graduation in 8 semesters
 - o 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
 - o In these cases, courses listed in future semesters can be substituted if their prerequisites have been satisfied
 - o 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

GENERAL EDUCATION REQUIREMENTS CHECKLIST							
FYW 100 - Taken in first year	Distribution	Math (M) - Suggested in first year					
(Cannot be used as elective)	Courses -	Satisfied by Math 209/212					
		Arts (A)					
FYS 100 - Taken in first year	One from each	History/Philosophy (HP)					
(Cannot be used as elective)	category	category	category	Literature/Language (LL)			
		Natural Science (NS)					
		-Satisfied by CHEM 103					
Connections – Taken after FYW & FYS		Social & Behavioral Sciences (SB)					
		Elective(s) to bring total Gen Ed credits to 40 (E)					

CHEM 103 General Chemistry I OR			CHEM 404W Analytical Chemistry I (Sp) OR
CHEM 103H (F)			CHEM 416W Environmental Analytical Chemistry (Sp)
CHEM 104 General Chemistry II OR			CHEM 405 Physical Chemistry I (F) AND
CHEM 104H (Sp)			CHEM 407 Physical Chemistry Laboratory I (F)
CHEM 205W Organic Chemistry I (F, Sum)			MATH 212 Calculus I
CHEM 206W Organic Chemistry II (Sp, Sum)			MATH 213 Calculus II
CHEM 310 Biochemistry (F)			PHYS 101 Physics for Science and Mathematics I
CHEM 403 Inorganic Chemistry I (F)			PHYS 102 Physics for Science and Mathematics II
Choose One:			
CHEM 406 Physical Chemistry II (Sp)	CHEN	Л 419 E	Biochemistry Mechanisms (Sp)
CHEM 412 and CHEM 413 CHEM		Л 422 E	Biochemistry Lab (Sp)
Inorganic Chemistry II Lec and Lab (Sp) CHEM		CHEM 425 Advanced Organic Chemistry (F)	
CHEM 414 Instrumental Methods of Analysis (Sp) CHEM		Л 435 F	Pharmacology and Toxicology
CHEM 418 Marine Environmental Chemistry (F)			

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 2.0 GPA Need at least 2.0 for both overall and classes in major

The total credit count for the major is 50-51 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 78-79 credits.

SEMESTER 1	CR	SEMESTER 1 NOTES
FYW 100 First Year Writing OR	4	Directed Self Placement exam
FYS 100 First Year Seminar		
	_	
RIC 100 Introduction to Rhode Island College	1	Exempt if taking COLL 101, COLL 150, or HONR 150
CHEM 103 General Chemistry I (F, Sum)	4	Math Milestone is a prerequisite for all science courses.
		If not completed, take MATH 010 this semester
		Satisfies Gen Ed Natural Science (NS)
MATH 212 Calculus I or prereq (if needed)	4	Dependent on Math Placement result.
		If prereq needed, MATH 212 can be taken later.
		Satisfies Gen Ed (M)
General Education course (any still needed)	3-4	
		Aim for at least 16 earned credits (While 12 is fulltime, 16 credits
		are preferred to stay on track to graduate in 4 years), with
Requirements and GPA		minimum 2.0 GPA overall and in the major
		By October, make appointment with advisor to discuss your
# CREDITS EARNED	16-17	schedule for next semester.

SEMESTER 2	CR	SEMESTER 2 NOTES
FYW 100 First Year Writing OR	4	
FYS 100 First Year Seminar		
MATH 213 Calculus II	4	Prereq = MATH 212
CHEM 104 General Chemistry II Lecture and Lab (Sp,	4	Prereq = CHEM 103 (C- or better)
Sum) or CHEM 104H Honors		
General Education course (any still needed)	3-4	
		Aim for minimum of 32 earned credits, with minimum 2.0 GPA
Requirements and GPA		overall and in the major
		By March, make appointment with advisor to discuss your
# CREDITS EARNED	15-16	schedule for next semester.

SEMESTER 3	CR	SEMESTER 3 NOTES
CHEM 205W Organic Chemistry I (F, Sum)	4	Prereq = CHEM 104 (C- or better)
General Education course (any still needed)	3-4	
PHYS 101 Physics for Science and Mathematics I	4	Prereq = MATH 120 or appropriate score on Mathematics
(Lecture and Lab)		Placement Exam
General Education course (any still needed)	3-4	
		Aim for minimum of 48 earned credits, with minimum of 2.0 GPA
Requirements and GPA		overall and in major
		By October, make appointment with advisor to discuss your
		schedule for next semester and possible minor.
# CREDITS EARNED	14-16	Also discuss opportunities for research and independent study.

SEMESTER 4	CR	SEMESTER 4 NOTES
PHYS 102 Physics for Science and Mathematics II	4	Prereq = PHYS 101
(Lecture and Lab)		
CHEM 206W Organic Chemistry II Lecture and Lab	4	Prereq = is CHEM 205W
(Sp, Sum)		
Gen Ed, elective, or course toward minor	3-4	
Gen Ed, elective, or course toward minor	3-4	
		Aim for minimum of 64 earned credits, with minimum of 2.0 GPA
Requirements and GPA		overall and in major
	14-16	By March, make appointment with advisor to discuss your
		schedule for next semester.
		Discuss opportunities for research and Independent study with your
		advisor if you have not already done so.
# CREDITS EARNED		

SEMESTER 5	CR	SEMESTER 5 NOTES
CHEM 310 Biochemistry (F)	4	Prereq = CHEM 206W
CHEM 403 Inorganic Chemistry I (F)	3	Prereq = CHEM 206W
CHEM 400 Level Elective	3-4	Preregs vary depending on course
Gen Ed, elective, or course toward minor	3-4	
Requirements and GPA		Aim for minimum of 80 earned credits, with minimum of 2.0 GPA overall and in major
		By October, make appointment with advisor to discuss your
# CREDITS EARNED	13-15	schedule for next semester.

SEMESTER 6	CR	SEMESTER 6 NOTES
Connections (Gen Ed-C)	4	Prereqs = FYW and FYS.
CHEM 404W Analytical Chemistry I (Sp) OR	3-4	Prereq 404W & 416W = CHEM 104
CHEM 416W Environmental Analytical Chemistry (Sp)		Can also be taken semester 8
		Only need CHEM 404W OR CHEM 416W
Gen Ed, elective, or course toward minor	3-4	
Gen Ed, elective, or course toward minor	3-4	If pursuing minor make sure you have registered for this with the
		relevant department prior to audit
		Aim for minimum of 96 earned credits, with minimum of 2.0 GPA
Requirements and GPA		overall and in major. Apply for degree audit online through MyRIC
		By March, make appointment with advisor to discuss your
# CREDITS EARNED	13-16	schedule for next semester.

SEMESTER 7	CR	SEMESTER 7 NOTES
CHEM 405 Physical Chemistry I (F)	3	Preregs = CHEM 104, MATH 213 and PHYS 102.
CHEM 407W Physical Chemistry Laboratory I (F)	1	Taken concurrently with CHEM 405
Gen Ed, elective, or course toward minor	3-4	
Gen Ed, elective, or course toward minor	3-4	
Elective or course toward minor	3-4	Need 12 credits to be full time
Requirements and GPA		Aim for minimum of 108 earned credits, with minimum of 2.0 GPA overall and in the major.
		By October, make appointment with advisor to discuss your
# CREDITS EARNED	13-16	schedule for next semester.

SEMESTER 8	CR	SEMESTER 8 NOTES
CHEM 400 Elective OR	4	Preregs vary, check catalog
Course toward minor		
Elective or course toward minor	3-4	
Elective or course toward minor	3-4	
Elective or course toward minor	3-4	
		Need minimum of 120 earned credits, with minimum of 2.0 GPA
Requirements and GPA		overall and in the major
# CREDITS EARNED	13-16	Attend Gradfest and Commencement

Notes:

- MATH 209 Pre-Calculus Mathematics is a prerequisite for MATH 212, Mathematics Department can
 test to see if this can be waived or if you need to take this, in which case you should take it in your
 first semester in place of a Gen Ed. option
- MATH 314 Calculus III is a prerequisite for CHEM 406.
- Prior to enrolling in any Chemistry course students must have completed the college Mathematics Milestone.
- The total number of credits needed for the major, general education, and other requirements may be less than the 120 required for graduation. Those remaining credits can be satisfied with electives, or they can be used toward a second major or minor which could be very useful.
 - Along with your advisor, this Rhode Map can help you determine if a second major or minor could fit into your plan

Approved by Department Chair: Andrea Del Vecchio	Date: 12/2/2024
Approved by Undergraduate Curriculum Committee	Date: 11/8/2024
Revised:	