Chemistry-BS **THE UNIVERSITY OF RHODE ISLAND** FALL 2023-SPRING 2024

General Chemistry

120 Credits Total

55 Credits in Major

ABOUT THE CHEMISTRY BS DEGREE:

The BS program in Chemistry emphasizes breadth of training in Chemistry and is highly recommended if students plan to seek an MS or PhD in Chemistry. The degree also is an excellent choice for those who plan to be employed in the chemical industry, or in related industries such as the pharmaceutical industry. The BS in Chemistry is accredited by the American Chemical Society.

STEP 1:

Major Requirements:

Course	Semester	Credits	Grade
CHM 191 or CHM 101/102		5 or 4	
CHM 192 or CHM 112/114		5 or 4	
CHM 227 or 291		3	
CHM 212		4	
CHM 226/228 or CHM 292		5	
CHM 431		3	
CHM 335		2	
CHM 432		3	
CHM 412		3	
CHM 414		2	
CHM 401		3	
CHM 425		2	
CHM 427		3	
CHM 492		1	
CHM 402		2	
CHM 441		3	
Six credits of CHM 353 or any 500-level course with departmental approval.			
CHM ____			
CHM ____			
MTH 141		4	
MTH 142		4	
MTH 243		3	
MTH 244		3	
PHY 203/273		4	
PHY 204/274		4	
PHY 205/275		4	

Free elective credits

(to meet the 120 credits required for graduation):

Course	Credits	Course	Credits

It is strongly recommended that WRT 104 or 106 be taken in the freshman year.

CHM 425 and 427 should be taken in the junior year by students planning research or advanced course work in organic chemistry.

Students desiring the American Chemical Society option must take BCH 581, 582, and 6 credits in undergraduate research (CHM 353).

Please note: Both major and cumulative GPA must be 2.00 or higher in order to graduate.

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GENERAL EDUCATION GUIDELINES: General education is 40 credits. Each of the twelve outcomes (A1-D1) must be met by at least 3 credits. A single course may meet more than one outcome, but cannot be double counted towards the 40 credit total. At least one course must be a Grand Challenge (G). No more than twelve credits can have the same course code (note- HPR courses may have more than 12 credits). General education courses may also be used to meet requirements of the major or minor when appropriate.

STEP 2:

General Education Credit Count				
At least 40 credits, no more than 12 credits with the same course code.				
Course	**Cr.**		**Course**	**Cr.**
			Total Gen Ed credits	40

STEP 3:

General Education Outcome Audit	
	Course
KNOWLEDGE	
A1. STEM	
A2. Social & Behavioral Sciences	
A3. Humanities	
A4. Arts & Design	
COMPETENCIES	
B1. Write effectively	
B2. Communicate effectively	
B3. Mathematical, statistical, or computational strategies	
B4. Information literacy	
RESPONSIBILITIES	
C1. Civic knowledge & responsibilities	
C2. Global responsibilities	
C3. Diversity and Inclusion	
INTEGRATE & APPLY	
D1. Ability to synthesize	
GRAND CHALLENGE	
G. Check that at least one course of your 40 credits is an approved "G" course	

SEE OPPOSITE SIDE FOR PROGRAM REQUIREMENTS.

NOTE: This worksheet sheet is a snapshot of your entire curriculum. You must work with your advisor each term to discuss requirements to keep you on course for timely progress to complete this major. Official requirements for graduation are listed in the University Catalog.

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