

**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.**

**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
<b>KNOWLEDGE</b>	
A1. STEM	
A2. Social & Behavioral Sciences	
A3. Humanities	
A4. Arts & Design	
<b>COMPETENCIES</b>	
B1. Write effectively	
B2. Communicate effectively	
B3. Mathematical, statistical, or computational strategies	
B4. Information literacy	
<b>RESPONSIBILITIES</b>	
C1. Civic knowledge & responsibilities	
C2. Global responsibilities	
C3. Diversity and Inclusion	
<b>INTEGRATE &amp; APPLY</b>	
D1. Ability to synthesize	
<b>GRAND CHALLENGE</b>	
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.

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

## B.S Chemistry (2018-2019 Catalog)

Requirements by Type  
*please see reverse for requirements by year*

For course titles and pre-requisite information, please visit: [uri.edu/catalog](http://uri.edu/catalog)

Fall	Spring	Milestones
<b>Year One</b>		
MTH 141 (Gen Ed)	MTH 142	Overall GPA 2.00
CHM 191 or 101/102	CHM 192 or 112/114	Complete URI 101
Gen Ed	Gen Ed	Complete 30cr (or consider summer/J-term courses)
Gen Ed	Gen Ed	Complete MTH and CHM courses with a C- or better
URI 101	Gen Ed	Meet with Advisor for credit check
(15-16 cr total)	(17-19 cr total)	Move from UC to College of Arts & Sciences (Complete 24 credits and overall GPA 2.00)

<b>Year Two</b>		
PHY 203/273 (Gen Ed)	PHY 204/274	Overall GPA 2.00
CHM 212	CHM 292 or 226/228	Consider Minor area of study or second major
CHM 227 or 291	MTH 244	Complete MTH 141 and 142
MTH 243	Gen Ed	Complete CHM 101/102 or 191 and CHM 112/114 or 192
Gen Ed	Gen Ed	Complete MTH and CHM courses with a C- or better
(17-18 cr total)	(18 cr total)	Complete 60cr
		Meet with advisor
		Declare second major (optional)

<b>Year Three</b>		
CHM 335	CHM 432	Overall GPA 2.00
CHM 431	CHM 412	Declare and complete minor area of study (optional)
PHY 205/275	CHM 414	Complete 90cr
Elective	Gen Ed	Complete CHM courses with a C- or better
Gen Ed	Elective	Meet with advisor
(15 cr total)	(14 cr total)	

<b>Year Four</b>		
CHM 401	CHM 492	Overall GPA 2.00
CHM 425	CHM 402	Complete 120cr
CHM 427	CHM 441	Meet with advisor to complete intent to graduate form by Oct. 1
CHM 353	CHM 353	
Elective	Elective	
(12 cr total)	(12 cr total)	

Note: This plan is not intended to be prescriptive. Credits in transfer, as well as summer or j-term coursework, may result in deviations from the above recommendations.