

Department of Chemistry: Major Structure and Advising Information

Important Prerequisite Information

- CH141-142 or CH145 are required for all 200-level or above chemistry and biochemistry courses
- BI163 is required for all 200-level or above biology and biochemistry courses
- CH242 is a prerequisite for the biochemistry courses BC362 and BC367
- PH145 and MA122, or equivalent, are required to enroll in CH341 without permission from the instructor

Courses required for all Chemistry Majors:

	Fall	Spring		Fall	Spring
Required:	MA121-MA122		(offered both semesters)		
Required:	PH141	PH145			
Required:	CH141	CH142	or	CH131 or 145	
Required:	CH241	CH242			
Required:	CH493	CH494			
Independent Research*					

Honors courses in Mathematics and Physics may be substituted. Students who have advanced placement/Colby equivalency CH131/145 is recommended for students with AP Chemistry. Placement directly into CH241 as a first year is not recommended. Senior year only except (in rare circumstances) in consultation. Minimum 2 independent study credits or equivalent department.

Chemistry

	Fall	Spring		Fall	Spring
Required:	CH341	CH342			
	CH331, BC362, BC367, CH411 (and CH413)	CH342			
Two of (one with lab):		BC362*			

CH413 is the lab course associated with CH411. CH331, CH341, and BC362 are required for the spring semester. *An additional BC362 course is planned for the spring semester.

Chemistry: Environmental Science

	Fall	Spring		Fall	Spring
Required:	CH331				
Required:		CH217*			
Required:	CH341	CH342			
Required:	EC133	EC231			
Required:	BI163		or	GE141	GE142
Independent Research*	CH481	CH482			

***EC278 (Joules to Dollars) can be substituted for CH217**

Research must be in an approved area related to Environmental Science

Chemistry: Biochemistry

	Fall	Spring		Fall	Spring
Required:	CH341				
Required (with lab):	BC367	BC368			
Required:	BI163				
	BI248, BI274, BI279*	BI225, BI279*			
One of (with lab):	BI279*	BI332			
	CH331, CH411	CH342, BC378, CH444			

***BI279 is offered 3 out of every 4 semesters**