

# CHEMISTRY MAJOR

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## Major Requirements

The requirements for a **major in chemistry** are 46 credits:

Code	Title	Hours
<b>Chemistry Courses</b>		
CHEM 127 & CHEM 128	General Chemistry I and General Chemistry II	8
CHEM 330	Analytical Chemistry I	4
CHEM 341 & CHEM 342	Organic Chemistry I and Organic Chemistry II	8
CHEM 351	Physical Chemistry I	4
CHEM 373	Biochemistry I	4
CHEM 403 & CHEM 404	Senior Seminar I and Senior Seminar II	2
Select 4 credits from the following:		4
CHEM 344	Spectroscopy	
CHEM 352	Physical Chemistry II	
CHEM 374	Biochemistry II	
CHEM 380	Special Topics	
CHEM 431	Analytical Chemistry II	
CHEM 445	Organic Chemistry III	
CHEM 462	Advanced Inorganic Chemistry	
CHEM/NEU 475	Neurochemistry	
CHEM 487	Directed Research	
<b>Additional Supporting Courses</b>		
MATH 121	Calculus I	4
Select one of the following:		8
PHYS 111 & PHYS 112	General College Physics I and General College Physics II	
PHYS 128 & PHYS 211	Physics for Scientists and Engineers and Physics for Scientists and Engineers II	
<b>Total Hours</b>		<b>46</b>

### Degree and Graduation Requirements

In addition to the program-specific requirements listed above, all students must complete the graduation requirements specified for their degree. See the Degree and Graduation Requirements (<https://catalog.concordiacollege.edu/undergraduate-academic-community/degree-graduation-requirements/>) section for more information.