

**Chemistry Major (B.S.)  
(ACS Certified Curriculum)**

Fall			Spring		
<b>Freshman Year</b>					
	Num	Cr		Num	Cr
Principles of Chemistry	CHEM-12100	4	Organic Chemistry	CHEM-22100	3
Topics in Chemistry and Biochem	CHEM-12000	1	Calculus II	MATH-11200	4
Calculus I	MATH-11100	4	Experimental Chemistry I	CHEM-12400	2
Writing Course <sup>(1)</sup>	WRTG-1xx00	4	Electives		6
Elective		3		Total	15
	Total	16			
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<b>Sophomore Year</b>					
	Num	Cr		Num	Cr
Organic Chemistry	CHEM-22200	3	Quantitative Chemistry	CHEM-23200	3
Experimental Chemistry II	CHEM-22500	2	Experimental Chemistry III	CHEM-32400	3
Principles of Physics I	PHYS-11700	4	Principles of Physics II	PHYS-11800	3
Electives		6	Electives		6
	Total	15		Total	15
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<b>Junior Year</b>					
	Num	Cr		Num	Cr
Physical Chemistry I	CHEM-33100	3	Physical Chemistry II	CHEM-33200	3
Inorganic Chemistry	CHEM-34200	3	Experimental Chemistry IV	CHEM-32500	3
Research <sup>(2)</sup>	CHEM-39100	3	Research <sup>(2)</sup>	CHEM-39200	3
Electives		6	Chemistry Elective <sup>(2)</sup>		3
	Total	15	Elective		3
				Total	15
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<b>Senior Year</b>					
	Num	Cr		Num	Cr
Seminar	CHEM-48700	1	Seminar	CHEM-48800	1
Biochemistry I	BIOC-35300	3	Research <sup>(2)</sup>	CHEM-39200	3
Experimental Chemistry V	CHEM-32600	3	Electives		12
Research <sup>(2)</sup>	CHEM-39100	3		Total	16
Chemistry Elective <sup>(2)</sup>		3			
Elective		3			
Total		16			

- 1) All students must complete WRTG-10800, or 11100, or 16400, and be certified as meeting the H&S writing effectiveness requirement.
- 2) Research and chemistry electives will vary — three credits of chemistry research and six credits of chemistry electives chosen from 302-35400, CHEM-35600, CHEM-42100, CHEM-42200, CHEM-43200, CHEM-44200, CHEM-44400, CHEM-48100, and CHEM-48200 are required.

## Chemistry Major (B.A.)

Fall			Spring		
<b>Freshman Year</b>					
	Num	Cr		Num	Cr
Principles of Chemistry	CHEM-12100	4	Organic Chemistry	CHEM-22100	3
Topics in Chemistry and Biochem	CHEM-12000	1	Calculus II	MATH-11200	4
Calculus I	MATH-11100	4	Experimental Chemistry I	CHEM-12400	2
Writing Course <sup>(1)</sup>	WRTG-1xx00	4	Electives		6
Elective		3		Total	15
	Total	15			
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<b>Sophomore Year</b>					
	Num	Cr		Num	Cr
Organic Chemistry	CHEM-22200	3	Quantitative Chemistry	CHEM-23200	3
Experimental Chemistry II	CHEM-22500	2	Experimental Chemistry III	CHEM-32400	3
Principles of Physics I	PHYS-11700	4	Principles of Physics II	PHYS-11800	3
Electives		6	Electives		6
	Total	15		Total	15
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<b>Junior Year</b>					
	Num	Cr		Num	Cr
Physical Chemistry I	CHEM-33100	3	Physical Chemistry II	CHEM-33200	3
Inorganic Chemistry	CHEM-34200	3	Experimental Chemistry IV	CHEM-32500	3
Electives		9	Electives		9
	Total	15		Total	15
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<b>Senior Year</b>					
	Num	Cr		Num	Cr
Seminar	CHEM-48700	1	Seminar	CHEM-48800	1
Experimental Chemistry V	CHEM-32600	3	Electives		15
Electives		12		Total	16
	Total	16			

1) All students must complete WRTG-10800, or 11100, or 16400, and be certified as meeting the H&S writing effectiveness requirement.