

Chemistry

Bachelor of Arts

The Chemistry program helps students understand current global issues, such as energy, food, water, health and environmental problems. Extensive training in methodology prepares students to contribute responsible solutions to their communities through a broad range of career options or continuing educational opportunities.

Career Options:

- Environmental Testing
- Laboratory Research
- Waste Analysis and Treatment
- Pharmaceuticals
- Forensics
- Public Health

Major Requirements:

General Chemistry I w/Lab
General Chemistry II w/Lab
Organic Chemistry I w/Lab
Organic Chemistry II w/Lab
Analytical Chemistry w/Lab
Physical Chemistry w/Lab
Senior Seminar
One upper level Chemistry lecture and Lab
Physics I
Calculus I

Minor Requirements:

(24 semester hours)
General Chemistry I w/Lab
General Chemistry II w/Lab
Three additional upper level Chemistry courses including lab

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General Education Requirements

I. Interdisciplinary Requirements	Credits	IV. Humanities Courses	Credits
Ethics	3	Religion	3
International Studies	3	English Composition	6
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Total Hours	6	Art, Music or Entertainment/Theatre	3
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II. Science Courses	Credits	Total Hours	15
Mathematics	3	TOTAL GENERAL EDUCATION HOURS	41
Biology, including lab	4		
Physics, Earth Science or Chemistry, incl. lab	4		
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Total Hours	11		
III. Social Science Courses	Credits		
History, Political Science	3		
Communication, Economics, Geography or Criminal Justice	3		
Psychology or Sociology	3		
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Total Hours	9		

Unless otherwise specified, transferred credits may be used to fulfill the general requirements at the Registrar's discretion.

Major Requirements

	Credits		Credits		
CHM 111	General Chemistry I	3	CHM 341	Analytical Chemistry	3
CHM 112	General Chemistry I Lab	1	CHM 342	Analytical Chemistry Lab	1
CHM 121	General Chemistry II	3	CHM 361	Physical Chemistry	3
CHM 122	General Chemistry II Lab	1	CHM 362	Physical Chemistry Lab	1
CHM 301	Organic Chemistry	3	CHM 412	Senior Seminar	3
CHM 302	Organic Chemistry Lab	1	CHM	One upper level lecture and lab	4-5
CHM 311	Organic Chemistry II	3	MAT 121	Calculus I	4
CHM 312	Organic Chemistry II Lab	1	PHY 211	General Physics I Lab	3
			PHY 212	General Physics I Lab	1

General Graduation Guidelines:

Total of 120 semester hours, 39 of which must be numbered 300 or 400.

(Other programs may require coursework beyond 120 semester hours.)

At least 9 semester hours of courses designated as writing intensive.

A declared major.

A cumulative GPA average of C (2.00) and at least a C average in the graduation major.