

CHEMISTRY MINOR

Program Description

The chemistry minor is a great choice for students who are interested in furthering their knowledge of chemistry and chemical laws that govern the natural world and allow scientists to make valuable predictions about environmental, biological, industrial, and other chemical systems.

Entering and Completing the Minor

In order to earn a degree, you must complete at least one academic major. Minors are not required except for students in the Professional Studies (BA). SPU encourages students to explore various academic paths, including minors, so if you change your mind about a minor or want to include an additional minor, you are able to do so as outlined below.

Note that the University encourages you to enter your chosen minor(s) as soon as you have determined it and are eligible to join it, especially by the start of your junior year. Students who transfer as juniors and seniors should enter a minor within their first two quarters at SPU.

- If this is your first quarter at SPU, request entrance to your minor in Banner by following these instructions (<https://spu.atlassian.net/l/cp/Th4S0jCE/>).
- If you are an SPU student with an SPU cumulative GPA of 2.0 or better, follow these instructions (<https://spu.atlassian.net/l/cp/Th4S0jCE/>) to enter a minor in this department.
- The University requires a grade of C- or better in all classes that apply to a minor; however, programs may require higher minimum grades in specific courses. You may repeat an SPU course only once for a higher grade.
- To advance in this program, meet with your faculty advisor regularly to discuss your grades, course progression, and other indicators of satisfactory academic progress. If your grades or other factors indicate that you may not be able to successfully complete the minor, your faculty advisor can work with you to explore options, which may include choosing a different minor.
- You must complete the minor requirements that are in effect in the SPU Undergraduate Catalog for the year you enter the minor.

Chemistry Minor

35 Credits Minimum, Including 20 Upper Division (UD)

Code	Title	Credits
Core Requirements		
CHM 1211	General Chemistry I	5
CHM 1212	General Chemistry II	5
Section Credits Required		10
Electives		
CHM 2000-4999 chosen from three or more areas below		25
Total Credits		35

Additional Requirements and Information

Code	Title	Credits
Inorganic		
CHM 2213	Inorganic Qualitative Analysis	2

CHM 3540	Introductory Inorganic Chemistry	5
CHM 4542	Transition Metals	3
Organic		
CHM 3371	Organic Chemistry I	5
CHM 3372	Organic Chemistry II	5
CHM 3373	Organic Chemistry III	5
CHM 4374	Advanced Organic Laboratory	3
Analytical		
CHM 3225	Quantitative Analysis and Equilibrium	5
CHM 3227	Separation Science	2
CHM 3228	Electroanalytical Chemistry	2
CHM 3229	Analytical Spectroscopy	2
Physical		
CHM 3410	Survey of Physical Chemistry	5
CHM 3421	Quantum Mechanics	4
CHM 3422	Statistical Thermodynamics	4
CHM 3423	Molecular Dynamics	2
CHM 3461	Physical Chemistry Laboratory I	2
CHM 3462	Physical Chemistry Laboratory II	2
Biochemistry		
CHM 4361	Biochemistry	5
CHM 4362	Biochemistry	5
CHM 4363	Biochemistry	3
CHM 4371	Biochemistry Lecture	3
CHM 4372	Biochemistry Lecture	3
Environmental		
CHM 2410	Environmental Chemistry and Sustainability	5