

THE UNIVERSITY OF SCRANTON
COLLEGE OF ARTS & SCIENCES

CHEMISTRY

About the Program

Our department is approved by the American Chemical Society and prepares students for a broad scope of career fields ranging from medicine and pharmacy to forensics and research. The Chemistry Department offers four majors: chemistry, biochemistry, chemistry-business and forensic chemistry.

Outcomes & Opportunities

- Students are encouraged to do internships during the summer months. Recent sites have included the University of Pittsburgh, the University of Virginia and Carnegie Mellon University.
- Chemistry students gain practical skills and hands-on experience through our faculty-mentored research program (FSRP). From inorganic chemistry and biochemistry to theoretical physics, our professors have a range of interests and specializations, providing a wide breadth of research options for our students.
- Graduates entering the workforce find success in a variety of career fields such as medicine, computer science, industrial research labs, military intelligence, pharmaceuticals and business.
- You'll find department graduates continuing their education at top medical, business and graduate schools across the country including Columbia, Georgetown, Princeton, Thomas Jefferson and the University of Pennsylvania.

Ranked #8 nationally
for "Best Science Labs"
by The Princeton Review



SUCCESS AHEAD

admissions.scranton.edu/chemistry

CHEMISTRY CURRICULUM

	Department & Number - Descriptive Title of Course	Fall Cr.	Spr. Cr.
FIRST YEAR			
MAJOR (GE NSCI)	CHEM 112-113 - (E) General & Analytical Chemistry/CHEM 112L-113L	4.5	4.5
COGNATE (GE QUAN)	MATH 114 - (Q) Calculus I – MATH 221 - Calculus II	4	4
GE T/RS-PHIL	T/RS 121 - (P) Theology I: Introduction to the Bible – PHIL 120 - Introduction to Philosophy	3	3
GE ELECT	FREE ELECT – Free Electives (FYW, FYOC, FYDT recommended)	3	3
GE FSEM	First Year Seminar ²		
		14.5	14.5
SECOND YEAR			
MAJOR	CHEM 232 - (E) Organic Chemistry/CHEM 232L – CHEM 233 - (E) Organic Chemistry/CHEM 233L	4.5	4.5
MAJOR	CHEM 240 - Inorganic Chemistry		3
COGNATE	MATH 222 - Calculus III	4	
COGNATE	PHYS 140/PHYS 140L - (E) Elements of Physics I – PHYS 141/PHYS 141L - (E) Elements of Physics II	4	4
GE PHIL-T/RS	PHIL 210 - Ethics – T/RS 122 - (P) Theology II: Introduction to Christian Theology	3	3
GE HUMN	HUMN ELECT - Humanities Elective		3
		15.5	17.5
THIRD YEAR			
MAJOR	CHEM ELECT, Chemistry Electives (300 level or above)	3	3
MAJOR	CHEM 370 - Instrumental Analysis/CHEM 370L	3	3
MAJOR	CHEM 362 - Physical Chemistry I/CHEM 362L – CHEM 363 - Physical Chemistry II/CHEM 363L	4.5	4.5
MAJOR	CHEM 390 - (EPW) Chemical Literature & Writing – CHEM 391 - Seminar	1	1
GE HUMN	HUMN ELECT – Humanities Elective	3	
GE S/BH	S/BH ELECT – Social/Behavioral Electives	3	3
		17.5	14.5

	Department & Number - Descriptive Title of Course	Fall Cr.	Spr. Cr.
FOURTH YEAR			
MAJOR	CHEM 440 - Advanced Inorganic Chemistry – CHEM 440L - Advanced Inorganic Chemistry Laboratory	3	1.5
MAJOR	CHEM 493 - (W) Undergraduate Research – CHEM 494 - (W) Undergraduate Research	1.5	1.5
MAJOR	CHEM ELECT – Chem Elective (300 Level or above)	3	
GE PHIL - T/RS	PHIL - Philosophy or T/RS ELECT - Elective		3
MAJOR	CHEM 450 - Biochemistry I – CHEM 451 - Biochemistry II or CHEM 350 - General Biochemistry I – CHEM 351 - General Biochemistry II	3	3
GE ELECT	FREE ELECT – Free Electives	3	3
GE HUMN	HUMN ELECT - Humanities Elective	3	3
		16.5	15

Total: 125.5 Credits

CONTACT INFORMATION

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1.888.SCRANTON or visit admissions.scranton.edu

²The selection of a First Year Seminar is likely to fulfill requirements both for the First Year Seminar and a General Education Requirement. Thus, the First Year Seminar will not add to the total credits for the semester. Talk with your advisor if you have any questions.

Curriculum grid effective for the 2022-23 academic year in accordance with the undergraduate course catalog.