

# Chemistry

Tentative: Check "Search for Classes" on SU Online for the quarterly schedule.

2021-2023 Course offerings are tentative at this time. No summer courses are offered.

CHEM #	Course Name							Credits	Pre & Co-Requisites OR Notes
		Fall 22	Winter 23	Spring 23	Fall 23	Winter 24	Spring 24		
1000	Preparatory Chem Tutorial	•			•			1	PRM-DEPT
1200	Chemistry for Life	•			•			5	Nursing/DUIS majors only; PREQ: Placement into MATH 1010 or 1021 +
1500	General Chem 1	•	•		•	•		4	COREQ: CHEM 1501; PREQ: HS CHEM or INTRO CHEM & PLACEMENT INTO MATH 1021+
1501	General Chem Lab 1	•	•		•	•		1	COREQ: CHEM 1500; LAB FEE
1510	General Chem 2		•	•		•	•	4	COREQ: CHEM 1511; PREQ: C- or better in CHEM 1500 & MATH 1021 +
1511	General Chem Lab 2		•	•		•	•	2	COREQ: CHEM 1510; PREQ: C- or better in CHEM 1501; LAB FEE
1520	General Chem 3	•		•	•		•	4	PREQ: C- or better in CHEM 1510
1590	Research Focused General Chemistry 3			•			•	5	PREQ: CHEM 1510 Application required. Recommendation from CHEM 1501 or 1511 instructor required.
2100	Fundamental InOrg Chem		•			•		3	PREQ: CHEM 1511; CHEM 1520 or 1590
2500	Org Chem: Structure & Reactivity	•	•		•	•		4	PREQ: C- or better in CHEM 1520 or 1590
2501	Org Chem Lab: Techniques	•	•		•	•		2	COREQ: CHEM 2500; PREQ: CHEM 1511; LAB FEE
2510	Org Chem: Functional Group Interconversions		•	•		•	•	4	PREQ: C- or better in CHEM 2500
2511	Org Chem Lab: Applications		•	•		•	•	2	COREQ: CHEM 2510; PREQ: CHEM 2501; LAB FEE
2520	Org Chem: Reactions of Pi-Systems	•		•	•		•	3	PREQ: C- or better in CHEM 2510
2521	Org Chem Lab: Projects	•		•	•		•	1	COREQ: CHEM 2520; PREQ: CHEM 2511; LAB FEE
2700	Laboratory Safety			•			•	2	PREQ: 1 QTR of GENERAL CHEM; One 4 hour field trip TBD
2800	Forensic Science		•			•		5	X: CRJS 4800; X: UCOR 3810
2960	Directed Study	•	•	•	•	•	•	1 to 5	PRM-CHR
3000	Quantitative Analysis	•	•		•	•		5	PREQ: CHEM 1511; CHEM 1520 or 1590; JR-STND or PRM-CHR
3500	Physical Chem: Quantum Theory, Spectroscopy & Molecular Bonding	not offered			•			3	PREQ: CHEM 1520 or 1590; MATH 2330; PHYS 1230 or 1070
3510	Physical Chem: Thermodynamics & Kinetics		•			•		3	PREQ: CHEM 1520 or 1590; PHYS 1230 or 1070; MATH 1336; or PRM-CHR
3511	Physical Chem Lab: Techniques & Analysis		•			•		2	COREQ: CHEM 3510; PREQ: CHEM 3000; LAB FEE
3520	Physical Chem: Photochemistry, Mixtures, & Statistical Thermodynamics			•			•	3	PREQ: CHEM 3510
3521	Physical Chem Lab: Applications & Modeling			•			•	2	COREQ: CHEM 3520; PREQ: CHEM 3511; LAB FEE
3600	Introductory Biochemistry	•	•	•	•	•	•	5	PREQ: CHEM 2510, BIOL 1610/1611
3960	Directed Study	•	•	•	•	•	•	1 to 5	PRM-CHR
4000	Instrumental Analysis			•			•	5	PREQ: CHEM 3000; LAB FEE
4600	Biochemistry - Advanced Enzymology		•			•		4	PREQ: CHEM 3600
4610	Biochem II: DNA Methods			•			•	3	PREQ: CHEM 3600
4700	Advanced Inorg Chem	not offered						3	PREQ: CHEM 2100
4701	Synthetic Inorg Chem Lab	not offered						2	COREQ: CHEM 4700; PREQ: CHEM 2100; LAB FEE
4800	Advanced Org Chem							3	PREQ: CHEM 2520
4802	Physical Org Chem	not offered			not offered			3	PREQ: CHEM 2520
4804	Environmental Org Chem			•	not offered			3	PREQ: CHEM 2520
4950	Internship	•	•	•	•	•		1 to 5	PRM-FACULTY
4960	Independent Study	•	•	•	•	•		1 to 5	PRM-CHR
4985	Sr Synthesis Seminar 1	•			•			1	PREQ: CHEM 2510 RECOMND; JR-STND; MJR ONLY
4990	Undergraduate Research	•	•	•	•	•		1 to 6	PRM-FACULTY
4990	Course-Based Undergraduate Research Experiences (CUREs)	•	•		2 quarters TBD			1 to 6	PRM-FACULTY
4995	Sr Synthesis Seminar 2			•				1	PREQ: CHEM 4985