

Chemistry Electives for BS chemistry majors (6 hours required)

Course	Semester Offered	Prerequisites
Chemistry 312 Environmental Chemistry (3 credits)	SP only	Chem 215, 234, 341
Chemistry 339 Organic Syntheses (3 credits)	SP only	Chem 234, 236
Chemistry 440 Quantum Chemistry (3 credits)	FL only	Chem 348
Chemistry 460 and 463 Forensic Chemistry and Forensic Chemistry Lab (4 credits)	SP only	Chem 215 or faculty consent
Chemistry 462 and 464 Biochemistry 2 and Biochemistry 2 Lab (4 credits)	SP only	AGBI 401 and 412
Chemistry 490 Teaching Practicum (variable credit)		faculty consent
Chemistry 493* Special Topics (variable credit)		faculty consent
Chemistry 496* Senior Thesis (variable credit)		faculty consent
Chemistry 497* Undergraduate Research (variable credit)		faculty consent
Chemistry 514** Mass Spectrometry Principles and Practice (3 credits)	FL only (every two years)	faculty consent
Chemistry 516** Bioanalytical Chemistry (3 credits)	FL only	faculty consent
Chemistry 521** Organometallic Chemistry (3 credits)	SP only	faculty consent
Chemistry 531** Advanced Organic Chemistry I (3 credits)	FL only	faculty consent

Chemistry 532** Advanced Organic Chemistry II (3 credits)	SP only	faculty consent
Chemistry 540** Bonding and Molecular Structure (3 credits)	FL only	faculty consent
Chemistry 547** Chemical Crystallography (3 credits)	FL only (every two years)	faculty consent
Chemistry 552** Biochemical Toxicology (3 credits)	FL only	faculty consent

* A maximum of 3 hours from Chemistry 490, 493, 496, or 497 (separately or combined) can be used to satisfy the chemistry elective requirement for a BS degree in chemistry.

** Chemistry 514, 516, 521, 531, 532, 540, 547, and 552 are graduate level courses and require faculty consent.