The following courses in the Chemistry Department are currently listed in the University Catalog as of Academic Year 2021–2022, though not all are currently offered on a regular basis. The Department website has information about major requirements. Please contact your advisor for assistance in course selection and planning.

Course	Title	Prerequisites
CHEM 100	CHEMISTRY AND CURRENT PROBLEMS	
CHEM 103	FOUNDATIONS OF CHEMISTRY	
CHEM 104	INTRODUCTION TO ENVIRONMENTAL CHEMISTRY	Three years of high school mathematics.
CHEM 115	HONORS CHEMISTRY FOR ALLIED HEALTH PROFESSIONS I	MATH 115 or MATH 119 (either may be taken concurrently). Honors College.
CHEM 121	ALLIED HEALTH CHEMISTRY I LECTURE	Proficiency in algebraic manipulations, exponentials, logarithms and graphical interpretation. Corequisite: CHEM 121L.
CHEM 121L	ALLIED HEALTH CHEMISTRY I LABORATORY	Corequisite: CHEM 121.
CHEM 131	GENERAL CHEMISTRY I LECTURE	Proficiency in algebraic manipulations and graphical interpretation. Corequisite: CHEM 131L.
CHEM 131L	GENERAL CHEMISTRY I LAB	Corequisite: CHEM 131.
CHEM 132	GENERAL CHEMISTRY II LECTURE	Proficiency in algebraic manipulations, exponentials, logarithms and graphical interpretation. Corequisite: CHEM 132L. Prerequisites: CHEM 131 & CHEM 131L.

CHEM 132L	GENERAL CHEMISTRY II LAB	Corequisite: CHEM 132.
CHEM 220	ANALYTICAL CHEMISTRY LECTURE	Corequisite: CHEM 220L. Prerequisites: CHEM 132 and CHEM 132L.
CHEM 220L	ANALYTICAL CHEMISTRY LAB	Corequisite: CHEM 220. Prerequisites: CHEM 132 and CHEM 132L.
CHEM 301	PROFESSIONAL ETHICS FOR SCIENTISTS	ENGL 102 or ENGL 190 or equivalent, and three courses in ASTR, BIOL, CHEM, ENVS, GEOL, PHYS, or PHSC of which at least two have laboratory.
CHEM 310	INSTRUMENTAL ANALYSIS	CHEM 220/CHEM 220L (CHEM 210), and CHEM 330 or CHEM 331.
CHEM 323	INORGANIC CHEMISTRY	CHEM 220/CHEM 220L (CHEM 210) and CHEM 331 or CHEM 330.
CHEM 330	ESSENTIALS OF ORGANIC CHEMISTRY	CHEM 132 and CHEM 132L.
CHEM 331	ORGANIC CHEMISTRY I	CHEM 132 and CHEM 132L.
CHEM 332	ORGANIC CHEMISTRY II	CHEM 331.
CHEM 345	PRINCIPLES OF PHYSICAL CHEMISTRY	CHEM 132 and CHEM 132L and (MATH 211 or MATH 273) and (PHYS 211 or PHYS 241).
CHEM 346	THEORETICAL FOUNDATIONS OF PHYSICAL CHEMISTRY	CHEM 345, MATH 274, PHYS 212 or PHYS 242.
CHEM 351	BIOCHEMISTRY I	CHEM 330 or CHEM 332.

CHEM 356	BIOCHEMISTRY LAB	CHEM 351 (may be taken concurrently).
CHEM 357	BIOCHEMISTRY II	CHEM 351.
CHEM 372	PHYSICAL CHEMISTRY LABORATORY	CHEM 220/CHEM 220L (CHEM 210), and CHEM 345 (CHEM 345 may be taken concurrently).
CHEM 391	SPECIAL PROBLEMS IN CHEMISTRY I	Instructor consent.
CHEM 392	SPECIAL PROBLEMS IN CHEMISTRY II	Instructor consent.
CHEM 393	SPECIAL PROBLEMS IN CHEMISTRY III	Instructor consent.
CHEM 394	SPECIAL PROBLEMS IN CHEMISTRY IV	Instructor consent.
CHEM 395	INTERNSHIP IN CHEMISTRY	CHEM 220/CHEM 220L (CHEM 210) and CHEM 332, 3.0 GPA overall and junior class standing.
CHEM 401	COMMUNICATION SKILLS IN CHEMISTRY	CHEM 220/CHEM 220L (CHEM 210), CHEM 332.
CHEM 461	ADVANCED LECTURE TOPICS	CHEM 345, CHEM 332 and instructor consent.
CHEM 462	ADVANCED LABORATORY TECHNIQUES	CHEM 332, CHEM 372 and instructor consent
CHEM 472	APPLICATIONS OF ENVIRONMENTAL CHEMISTRY	CHEM 220/CHEM 220L (CHEM 210); CHEM 330 or CHEM 332; or instructor consent.

CHEM 480	CHEMICAL TOXICOLOGY	CHEM 351, BIOL 200/BIOL 200L (BIOL 201), or instructor consent.
CHEM 491	RESEARCH IN CHEMISTRY	Instructor consent.
CHEM 499	HONORS THESIS IN CHEMISTRY	Instructor consent, and approval of student as departmental honors candidate.
FRSC 363	CHEMISTRY OF DANGEROUS DRUGS	CHEM 220/CHEM 220L (CHEM 210) and CHEM 332.
FRSC 367	FORENSIC CHEMISTRY	CHEM 220/CHEM 220L (CHEM 210) and CHEM 332.
FRSC 368	PROFESSIONAL PRACTICES IN FORENSIC SCIENCE	CHEM 220/CHEM 220L (CHEM 210), CHEM 332.
FRSC 401	FORENSIC SCIENCE CAPSTONE	FRSC 367.
FRSC 420	BODY FLUID ANALYSIS	BIOL 409 (may be taken concurrently).
FRSC 422	ADVANCED SEQUENCING METHODS	FRSC 420 and MATH 237, or instructor consent.
FRSC 440	FORENSIC SCIENCE, EMERGENCY MEDICINE, AND DEATH ANALYSIS	FRSC 367.
FRSC 467	FORENSIC ANALYTICAL CHEMISTRY	CHEM 220/CHEM 220L (CHEM 210); FRSC 367 (may be taken concurrently).