

Course Name	Faculty Qualifications Needed	Related Disciplines	Acceptable Alternative Qualifications
CHEM 1000, 1001 Basic Chemistry and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 1030, 1031 General Chemistry for Non-Science Majors I and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 1040, 1041 General Chemistry for Non-Science Majors II and Laboratory.	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 1050 Concepts of Chemistry	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional or instructional experience in teaching introductory or preparatory chemistry at the college level, particularly with a focus on STEM student success. Demonstrated expertise in foundational chemistry topics—such as atomic structure, mole concept, bonding, gases, and thermochemistry—as well as experience developing curriculum that bridges high school and college-level STEM coursework, will also be considered. Experience with academic support programs or STEM bridge initiatives is highly relevant.
CHEM 1100, 1101 Fundamentals of Organic and Biological Chemistry	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 1110, 1111 General Chemistry I and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 1112, 1113 Honors General Chemistry I and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 1120, 1121 General Chemistry II and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry

CHEM 1122, 1123 Honors General Chemistry II and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 2010, 2011 Organic Chemistry I and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 2012, 2013 Honors Organic Chemistry I and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 2020, 2021 Organic Chemistry II and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 2022, 2023 Honors Organic Chemistry II and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 2100, 2101 Introduction to Analytical Chemistry and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 2500 Introduction to Pharmacology	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 3000 Introduction to Inorganic Chemistry	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry

CHEM 3185 Cooperative Education I	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 3186 Cooperative Education II	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 3187 Cooperative Education III	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 3200, 3201 Physiological Biochemistry and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 3210, 3211 Physical Chemistry I and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 3220, 3221 Physical Chemistry II and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 3410, 3411 General Biochemistry I and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 3420, 3421 General Biochemistry II and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry

CHEM 3500 Atmospheric Chemistry	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 3600, 3601 Organic Chemistry and Organic Survey Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 3710 Methods of Teaching High School Chemistry	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4005 Special Topics in Analytical Chemistry.	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4006 Special Topics in Biochemistry.	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4007 Special Topics in Inorganic Chemistry.	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4008 Special Topics in Organic Chemistry.	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4009 Special Topics in Physical Chemistry.	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry

CHEM 4100 Scientific Communications	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4200, 4201 Inorganic Chemistry I and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4210 Inorganic Chemistry II	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4320, 4321 Instrumental Analysis and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4400 Organic Reaction Mechanisms	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4420 Medicinal Chemistry.	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4500 Cancer Biochemistry and Biology.	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4505 Senior Project I	Master's or doctorate degree in Chemistry, or master's or doctorate degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry

CHEM 4506 Senior Project II	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4600 Spectroscopic Methods in Chemistry	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4610 Introduction to Polymer Chemistry I	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4611 Introduction to Polymer Chemistry I Laboratory	Earned Master's or Doctorate degree in Chemistry in the teaching discipline; or Master's or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Materials Science, Organic Chemistry, Chemical Engineering, Polymer Chemistry	Acceptable alternative qualifications include significant professional or research experience in polymer synthesis, polymer processing, or characterization techniques such as gel permeation chromatography, DSC, or FTIR. Experience supervising laboratory-based coursework in polymer science or conducting applied research in plastic materials, composites, or biopolymers will also be considered.
CHEM 4620, 4621 Introduction to Polymer Chemistry II and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4700, 4701 Biochemical Analysis and Laboratory	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4720 Student Teaching in Chemistry	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4830 Advanced Physical Chemistry	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry

CHEM 4910 Seminar	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4920 Seminar	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 4800 Advanced Pharmacology.	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry
CHEM 3001 Introduction to Inorganic Chemistry Lab	Master's or doctorate degree in Chemistry, or master's or doctorage degree with a concentration in the teaching discipline (minimum of 18 graduate semester hours in the teaching discipline).	Biochemistry, Materials Science, Forensic Science, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical chemistry, Chemist	Acceptable alternative qualifications include substantial professional experience as a doctor, engineer, researcher, teacher, forensic scientist, toxicologist, or relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in Chemistry