

## **Chemistry & Biochemistry**

<u>Overview</u>

## Academics & Admissions

**Programs** 

**Minors** 

- **Courses**
- Faculty

## Courses

- Chem 101: Chemical Concepts
- <u>Chem 103: Survey of Chemistry I</u>
- Chem 104: Survey of Chemistry II
- <u>Chem 105: General Chemistry I</u>
- Chem 106: General Chemistry II
- <u>Chem 107: General Chemistry Honors Recitation I</u>
- <u>Chem 108: General Chemistry Honors Recitation II</u>
- <u>Chem 113: Survey of Chemistry Laboratory I</u>
- <u>Chem 114: Survey of Chemistry Laboratory II</u>
- <u>Chem 115: General Chemistry Laboratory I</u>
- <u>Chem 116: General Chemistry Laboratory II</u>
- <u>Chem 121: Fundamentals of Organic Chemistry</u>
- <u>Chem 201: Environmental Chemistry I</u>
- <u>Chem 202: Environmental Chemistry II</u>
- <u>Chem 221: Elementary Organic Chemistry I</u>
- <u>Chem 222: Elementary Organic Chemistry II</u>
- <u>Chem 225: Elementary Organic Chem. Laboratory I</u>
- <u>Chem 226: Elementary Organic Chem. Laboratory II</u>
- <u>Chem 227: Organic Chemistry Honors Recitation I</u>
- <u>Chem 228: Organic Chemistry Honors Recitation II</u>
- <u>Chem 251: Introduction to Individual Research</u>
- <u>Chem 271: Biochemical Concepts</u>
- <u>Chem 293: Introductory Special Topics in Chemistry</u>
- <u>Chem 314: Quantitative Analysis</u>
- <u>Chem 319: Chem & Phys Methods of Forensic Chem</u>
- <u>Chem 331: Physical Chemistry I</u>
- Chem 332: Physical Chemistry II
- <u>Chem 334: Biophysical Chemistry</u>
- Chem 337: Physical Chemistry Laboratory I
- Chem 340: Introduction to Astrochemistry
- Chem 351: Individual Research
- Chem 373: Intermediate Biochemistry
- Chem 381: Chemistry for Teachers I
- <u>Chem 382: Chemistry for Teachers II</u>
- Chem 383: Chemistry for Teachers III
- <u>Chem 393: Intermediate Special Topics in Chemistry</u>
- <u>Chem 401: Inorganic Chemistry</u>
- <u>Chem 402: Inorganic Chemistry Laboratory</u>
- Chem 415: Computer Methods in Chemistry
- Chem 421: Recitation in Organic Chemistry I
- <u>Chem 422: Recitation in Organic Chemistry II</u>
- Chem 423: Organic Analysis
- <u>Chem 441: Forensic Chemistry Senior Research</u>
- <u>Chem 451: Senior Individual Research</u>
- Chem 459: Forensic Science Internship
- <u>Chem 463: Senior Research and Discovery</u>
- <u>Chem 469: Introduction to Instrumental Analysis</u>
- <u>Chem 470: Forensic DNA Analysis</u>

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- Chem 471: Biochemistry I
- <u>Chem 472: Biochemistry Laboratory</u>
- Chem 473: Biochemistry II
- <u>Chem 512: Advanced Instrumental Analysis</u>
- <u>Chem 513: Principles of Analytical Chemistry</u>
- <u>Chem 514: Fundamentals of Electrochemistry</u>
- Chem 519: Chemical Separations
- <u>Chem 524: Principles of Organic Chemistry</u>
- <u>Chem 525: Organic Spectroscopy and Spectrometry</u>
- Chem 527: Adv. Organic Chem., Structure Mechanism
- <u>Chem 528: Adv. Organic Chem., Structure Synthesis</u>
- <u>Chem 529: Stereochemistry</u>
- Chem 530: Advanced Organic Synthesis
- <u>Chem 531: Advanced Physical Chem., Quantum Chem.</u>
- <u>Chem 532: Chemical Thermodynamics</u>
- Chem 534: Physical Biochemistry
- Chem 535: Principles of Physical Chemistry I
- <u>Chem 536: Advanced Phys. Chem., Reaction Dynamics</u>
- <u>Chem 538: Principles of Physical Chemistry II</u>
- <u>Chem 544: Chemical Applications of Group Theory</u>
- Chem 545: Chemical Literature
- <u>Chem 546: Chem for High School Science Teacher I</u>
- Chem 547: Chem. for High School Science Teacher II
- Chem 548: Workshop-Middle School Science Teachers
- <u>Chem 550: Safety in the Chemical Laboratory</u>
- <u>Chem 554: Analytical Environmental Chemistry</u>
- <u>Chem 556: Research Methods in STEM Education</u>
- Chem 563: Applied Spectroscopy
- Chem 580: Molecular Biochemistry I
- Chem 581: Molecular Biochemistry II
- <u>Chem 593: Advanced Special Topics in Chemistry</u>
- <u>Chem 617: Research Methodology in Chemistry I</u>
- Chem 651: Research Experience in Chemistry
- <u>Chem 659: Masters Seminar</u>
- Chem 697: Thesis
- <u>Chem 700: Introduction to Graduate Research</u>
- <u>Chem 701: Advanced Inorganic Chemistry I</u>
- <u>Chem 702: Advanced Inorganic Chemistry II</u>
- Chem 703: Inorganic Techniques
- Chem 705: Seminar in Chemistry
- <u>Chem 715: Selected Topics in Analytical Chemistry</u>
- <u>Chem 716: Mass Spectrometry Fundamentals</u>
- <u>Chem 717: Internship Seminar in College Chemistry</u>
- <u>Chem 718: Research Methodology in Chemistry II</u>
- Chem 722: Organic Techniques
- Chem 725: Selected Topics in Organic Chemistry
- Chem 733: Selected Topics in Physical Chemistry
- Chem 741: Selected Topics in Inorganic Chemistry
- Chem 750: Area Seminars
- <u>Chem 759: Doctoral Seminar</u>
- Chem 761: Quantum Chemistry
- Chem 762: Theory of Molecular Structure
- <u>Chem 765: Bioinorganic Chemistry</u>
- Chem 771: Biochemistry I
- <u>Chem 772: Biochemical Techniques</u>
- Chem 773: Biochemistry II
- <u>Chem 774: Selected Topics in Biochemistry</u>
- Chem 776: Nucleic Acid Chemistry
- <u>Chem 777: Protein Structure</u>

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## <u>Chem 796: Doctoral Thesis</u>

<u>Chem 797: Dissertation</u>

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