

Graduate level chemistry courses

| Commonly offered CHEM graduate courses and their schedule | | |
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| Course Number | Title | Semesters offered |
| CHEM 7001 | Introduction to Research | Every Fall |
| CHEM 8000 | Seminar in Chemistry | Every Fall and Spring |
| CHEM 8001 | Faculty Seminar | Every Fall |
| CHEM 8002 | Information Resources for Chemists and Biochemists (RCR course) | Every Spring |
| CHEM 8003 | Student Seminar | Every Fall |
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| CHEM 6170 | Inorganic Chemistry I | Every Fall |
| CHEM 6171 | Inorganic Chemistry II (Energy Conversion) | Spring, occasional (2023) |
| CHEM 6172 | Physical Methods in Inorganic Chemistry | Every Fall |
| CHEM 6181 | Chemical Crystallography | Spring every 2 nd year (2022, 2024 ..) |
| CHEM 6182 | Chemistry of the Solid State | Spring every 2 nd year (2023, 2025 ..) |
| CHEM 6183 | Organometallic Chemistry | Spring every 2 nd year (2022, 2024 ..) |
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| CHEM 6273 | Analytical Techniques for Chemistry and Biology | Irregular |
| CHEM 6281 | Mass Spectrometry | Irregular |
| CHEM 6288 | Analytical Separations | Irregular |
| CHEM 8823 | Proteomics: technologies and applications | Fall every 2 nd year (2023, 2025 ..) |
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| CHEM 6370 | Organic Reaction Mechanisms | Every Fall |
| CHEM 6371 | Applied Spectroscopy | Every Fall |
| CHEM 6372 | Physical Organic Chemistry | Every Spring |
| CHEM 6373 | Organic Synthesis | Every Spring |
| CHEM 6750 | Preparation and Reactions of Polymers | Every Spring |
| CHEM 6752 | Polymer Characterization | Fall 2022 |
| CHEM 6757 | Advanced Polymer Chemistry | Fall 2022 |
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| CHEM 6481 | Statistical Mechanics | Every Fall |
| CHEM 6485 | Computation Chemistry | Every Spring |
| CHEM 6491 | Quantum Mechanics | Every Fall |
| CHEM 6492 | Molecular Spectroscopy | Every Spring |
| CHEM 6785 | Nanoscale Science and Technology | Every Fall |
| CHEM 8843 | Special topics – Python for Data Science | Every Fall |
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| CHEM 6501 | Biochemistry I | Every Fall and Spring |
| CHEM 6502 | Biochemistry II | Every Fall and Spring |
| CHEM 6582 | Biophysical Chemistry | Every Spring |
| CHEM 6571 | Enzymology and Metabolism | Every Spring |
| CHEM 6572 | Macromolecular Structure | Every Fall |
| CHEM 6573 | Molecular Biochemistry | Every Fall |
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| CHEM 6760 | Biocatalysis and Metabolic Engineering | |
| CHEM 6762 | Protein Engineering | |
| CHEM 6765 | Drug Design, Development and Delivery | |