CHEMISTRY (M.S.)(COMBINED B.S./M.S.)

Program Requirements
9 credits will be applied from the Undergraduate program

Chemistry Core Courses
Organic & Inorganic Chemistry Courses
Select 6 credits from the following:  6
- CHEM 520 Advanced Inorganic Chemistry
- CHEM 530 Advanced Organic Chemistry
- CHEM 532 Organic Synthesis
- CHEM 550 Organometallic Chemistry

Analytical & Physical Courses
Select 6 credits from the following:  6
- CHEM 534 Separation and Analysis
- CHEM 536 Nuclear Magnetic Resonance: Theory and Practice
- CHEM 540 Advanced Physical Chemistry
- CHEM 542 Quantum Chemistry and Spectroscopy
- CHEM 544 Chemical Thermodynamics and Electrochemistry
- CHEM 546 Chemical Spectroscopy
- CHEM 548 Chemical Kinetics

Chemistry Electives
Select 6 credits from the following:  6
- CHEM 525 Bioinorganic Chemistry
- CHEM 533 Biosynthesis of Natural Products
- CHEM 538 Drug Design in Medicinal Chemistry
- CHEM 570 Advanced Biochemistry
- CHEM 574 Protein Structure
- CHEM 575 Enzyme Kinetics and Mechanisms
- CHEM 576 Lipid Biochemistry
- CHEM 577 Nucleic Acid Biochemistry
- CHEM 590 Selected Topics Advanced Chemistry

Graduate Research Requirements
Graduate Research
CHEM 595 Graduate Research  3

Masters Thesis
CHEM 698 Master's Thesis  3
Submit the completed Thesis original and one copy to the Graduate Office. See Thesis Guidelines for details.

Elective Courses
Select 8 credits from the following:  8
- CHEM 420 Advanced Inorganic Chemistry
- CHEM 430 Advanced Organic Chemistry
- CHEM 440 Advanced Physical Chemistry
- CHEM 490 Selected Topics in Chemistry

Total Credits  32