

# CHEMISTRY (M.S.)

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## Master of Science. Major in Chemistry.

1. Thesis option: General M.S. requirements apply. At least one credit must be earned in CHEM 501 Seminar.
2. Non-thesis option: A minimum of 30 credits in course work is required and must be divided among the following:
  - a. 20 credits in chemistry courses numbered 500 or above (including one credit in CHEM 501 Seminar);
  - b. 10 credits in chemistry courses numbered 400 or above, or related courses numbered 300 or above. A written and/or oral examination that covers graduate course work must be taken during the final semester in residence.

Please see General Requirements for Graduate Students in Chemistry (<https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/sci/chem/graduate/generalrequirementsanddepartmentaloliciesforgraduatestudentsinchemistry.pdf?la=en&hash=A8ACCB76A132285973DA95219B99890EA090149>) for details and program requirements on earning the Master of Science in Chemistry degree.

1. The student will be able to design methods for investigating chemical questions and hypotheses; generate and record quantitative and qualitative data; and generate conclusions based upon evidence supported by results.
2. The student will be able to demonstrate specialized knowledge in a chemical subdiscipline.
3. The student will be able to identify complex scientific problems by searching and reviewing the scientific literature.
4. The student will be able to investigate chemical problems using experimental and theoretical methodologies.
5. The student will be aware of, and adhere to, ethical behavior intrinsic to the scientific process of knowledge generation.
6. The student will be able to communicate research results to knowledgeable, but not necessarily expert, audiences.
7. The student will be able to convey the major tenets of chemical work orally and in writing to students, peers and the lay public.