

OUR UNIQUE ENVIRONMENT

Founded in 1903, Western Michigan University rapidly grew from a regional teachers college to an internationally regarded institution of higher learning. With over 25,000 students, Western Michigan University is one of the 100 largest universities in the nation. The U.S. News & World Report names Western Michigan University among the top 100 public institutions and the Midwest's top 30.

The Department of Chemistry has faculty members who are internationally recognized in their areas of expertise. Undergraduate and graduate students who work on research projects with the Department of Chemistry faculty members receive excellent mentoring and training. State-of-the-art instrumentation and facilities are available for research and training of students at various levels of education.

We invite you to visit the department and meet our faculty to learn more.



WESTERN MICHIGAN UNIVERSITY

Department of Chemistry
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WESTERN MICHIGAN UNIVERSITY

WESTERN MICHIGAN UNIVERSITY DEPARTMENT OF CHEMISTRY

MASTER OF ARTS IN CHEMISTRY

with a concentration in

**EDUCATION
or
BUSINESS**



WESTERN MICHIGAN UNIVERSITY

MASTER OF ARTS IN CHEMISTRY BEGINS IN FALL 2012

CONCENTRATION IN EDUCATION

The student is required to elect fifteen (15) hours in the field of Chemistry and nine (9) hours of graduate training in Science Education. Select course from the following sequence:

CHEM 5070 – Ethical Chemical Practice
CHEM 5200 – Instrumental Methods

Either of:

CHEM 5150 – Inorganic Chemistry
CHEM 5500 – Biochemistry I
CHEM 5700 – Medicinal Chemistry

Two Credits of:

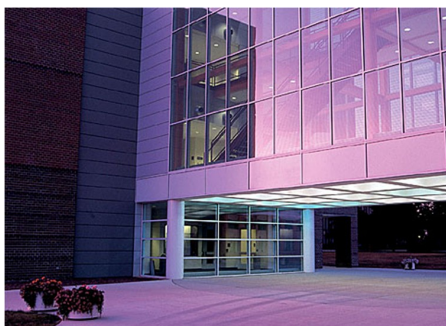
CHEM 5980 – Readings in Chemistry

Four Credits (of any combination) from:

CHEM 5900 – Independent Study in Chemistry
CHEM 5990 – Special Projects in Chemistry

Education Track Courses

SCI 6150 – Historical and Philosophical Foundations
SCI 6160 – Models of Learning and Teaching
SCI 6260 – Curriculum Studies in Science Education



CONCENTRATION IN BUSINESS

The student is required to elect fifteen (15) hours in the field of Chemistry and nine (9) hours of graduate training in Business. Select course from the following sequence:

CHEM 5070 – Ethical Chemical Practice
CHEM 5200 – Instrumental Methods

Either of:

CHEM 5150 – Inorganic Chemistry
CHEM 5500 – Biochemistry
CHEM 5700 – Medicinal Chemistry

Two Credits of:

CHEM 5980 – Readings in Chemistry

Four Credits (of any combination) from:

CHEM 5900 – Independent Study in Chemistry
CHEM 5990 – Special Projects in Chemistry

Business Track Courses (Select 3 Courses)

ACTY 6010 – Financial Accounting
ECON 6010 – Basic Economic Analysis
FIN 6020 – Corporate Finance
FIN 6120 – Financial Management
MGMT 6170 – Managing Human Resources and Behavior
MGMT 6140 – Business Process Management



Readings, Special Projects and Independent Study may be completed with any faculty member in the Department of Chemistry. Topics include:

- Analytical techniques including x-ray spectroscopy, mass spectrometry, optical spectroscopy and electrochemistry.
- Atmospheric chemistry
- Aquatic chemistry
- Biochemistry
- Biofuels
- Chemical education
- Computational chemistry
- Environmental chemistry
- Nanoscale science
- Protein chemistry
- Supramolecular chemistry
- Synthetic organic chemistry
- Synthetic inorganic chemistry

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