

Chemistry Accredited Major Requirements (60)

Foundation Courses

- CHEM 101 - Introductory University Chemistry I
- CHEM 102 - Introductory University Chemistry II

3 units from:

MATH 134 - Calculus for the Life Sciences I
MATH 144 - Calculus for the Mathematical and Physical Sciences I _____

3 units from:

MATH 136 - Calculus for the Life Sciences II
MATH 146 - Calculus for the Mathematical and Physical Sciences II _____

3 units from:

PHYS 124 - Particles and Waves
PHYS 144 - Newtonian Mechanics _____

3 units from:

PHYS 126 - Fluids, Fields, and Radiation
PHYS 146 - Fluids and Waves
PHYS 181 - Relativity, Electricity and Magnetism _____

Senior Courses

- BIOCH 200 - Introductory Biochemistry
- CHEM 211 - Quantitative Analysis I
- CHEM 213 - Quantitative Analysis II
- CHEM 241 - Introduction to Inorganic Chemistry
- CHEM 261 - Organic Chemistry I
- CHEM 263 - Organic Chemistry II

3 units from

CHEM 282 - Atomic and Molecular Structure
CHEM 371 - Energetics of Chemical Reactions _____

15 units from

Any of the following courses:

(with no more than 6 units total from CHEM 299, CHEM 399, CHEM 401, CHEM 403, and CHEM 499):

CHEM 282 - Atomic and Molecular Structure
CHEM 299 - Research Opportunity Program in Chemistry
CHEM 305 - Environmental Chemistry II
CHEM 313 - Instrumentation in Chemical Analysis _____
CHEM 333 - Inorganic Materials Chemistry
CHEM 343 - Advanced Inorganic Chemistry
CHEM 361 - Organic Chemistry _____
CHEM 371 - Energetics of Chemical Reactions
CHEM 373 - Physical Properties and Dynamics of Chemical Systems
CHEM 398 - Molecular Spectroscopy _____
CHEM 399 - Research Experience in Chemistry
CHEM 401 - Introduction to Chemical Research
CHEM 403 - Chemical Research _____
CHEM 460 - Contemporary Organic Chemistry
CHEM 461 - Qualitative Organic Analysis
CHEM 499 - Advanced Chemical Research and Training _____

6 units from

CHEM at the 400-level _____

Notes

1. Some courses appear in more than one requirement. Students may not use the same course to satisfy more than one requirement.
2. CHEM 299 can be taken twice; CHEM 399 can be taken up to four times.
3. The Major in Chemistry - Accredited Option degree program is accredited by the Canadian Society for Chemistry.

- COMM
- COMM
- IND
- BO__
- BO__
- BSBS
- BSFS
- BSSS
- LAB