

# Bachelor of Science (B.S.) in Chemistry

## Required Chemistry Courses (52-54 cr)

1. One General Chemistry sequence chosen from the following:  
General Chemistry (CHE101-102)  
Chemistry: Principles and Applications (recommended) (CHE105-106)  
General Chemistry for Engineers (CHE107-108)
2. One Organic sequence chosen from the following:  
Organic Chemistry (CHE201-202)  
Contemporary Organic Chemistry (recommended) (CHE251-252)
3. The following Chemistry courses:  
Introduction to Analytical Chemistry (CHE214-215)  
Inorganic Chemistry (CHE321-322)  
Physical Chemistry Lecture (CHE319-320)  
Physical Chemistry Laboratory (CHE329-330)  
Introduction to Chemical Literature (CHE376)  
Chemistry of Biological Systems (CHE412)  
Instrumental Analysis (CHE413)
4. One additional 400 level, 3 credit hour lecture Chemistry course *except* CHE414 or CHE 481.

## Required Courses Outside Chemistry (27-28 cr)

5. General Physics (PHY107-108-158)
6. Calculus (MTH141-142-241)
7. One approved 200 level or higher lecture course in science or mathematics (including Chemistry).
8. One advanced Math course (ie. MTH242, MTH306, MTH309).

## General Education Requirements

See the "University at Buffalo Undergraduate Catalog" for remaining university requirements.

Total Required Hours in Chemistry 52-54  
Total Required Hours Outside Chemistry 27-28

**Course requirements may change. See your advisor for the most up-to-date information on your program of study.**