

Chemistry Secondary Education Graduation Requirements (52 Hrs)

(Certification in Science with designation in Chemistry)

Chemistry Courses (28)

CHEM 231 General Chemistry (4) Fall
CHEM 232 General Chemistry II (4) Spring
CHEM 331 Inorganic Chemistry (4) Spring
CHEM 341 Organic Chemistry I (4) Fall
CHEM 342 Organic Chemistry II (4) Spring
CHEM 355 Introduction to Analytical Chemistry (2) Fall
CHEM 371 Physical Chemistry I (4) Fall
CHEM 494 Chemistry in Context (2) Fall

Math (4)

MATH 231 Calculus 1 (4)

Supporting Courses (20)

PHYS 221 OR 231 Introductory Physics I (4) Fall
PHYS 222 OR 232 Introductory Physics II (4) Spring
BIO 461 General Biochemistry (4) Spring
**this is the same course as Chem 461 but must be registered under the Biology course number for licensing purposes
CHOOSE 1: ENVR 221 (4), ASTR 305 (4) OR GEOL 221 (4)
SCI 325 Middle School Science Methods (2) **Fall Only**
SCI 321 High School Science Methods (2) **Spring Only**
****SCI 321** must be taken the school year before you plan to student teach (example. If you take SCI 321 in Spring 2015, you would student teach the following Fall 2015 or Spring 2016)

Highly Recommended:

CHEM 294 Chemistry Colloquium (2) **Sophomore Year- 1 credit per semester**

Science lab hours count towards your gen. ed. requirement.

MAT Program:

Those interested in pursuing an Accelerated Masters in Teaching as an undergraduate can complete **either** the Chemistry Education track of courses listed above **OR** the traditional Chemistry major track with the addition of Biology 461(see note above), a choice of either Geology 211, Environmental 211, or Astronomy 305 and Science 321 and 325 (listed above under supporting courses). Either track of Chemistry coursework may be chosen to meet the MAT requirement but a hybrid of Chemistry courses between the two tracks cannot. All Education coursework remains the same regardless of what track is chosen.

Please see the Science Education Coordinator with questions and for scheduling or email her at betsy.leong@wheaton.edu