

## An Advising Guide to General Chemistry at Seattle University

The general chemistry series is a year-long sequence of courses:

- CHEM 1500 (4cr) / CHEM 1501 (1cr) – General Chemistry I & Lab
- CHEM 1510 (4cr)/ CHEM 1511 (2cr) – General Chemistry II & Lab
- CHEM 1520 (4cr) – General Chemistry III (no lab)
  - alternate option: CHEM 1590 (5cr) – Research-Focused General Chemistry III (by application)

Prerequisites:

- CHEM 1500 – **1 year high school chemistry or an introductory college chemistry course**<sup>1</sup>; placement<sup>2</sup> into precalculus (MATH 1021) or higher
- CHEM 1510 – C<sup>-</sup> or higher in CHEM 1500/1501 and MATH 1021
- CHEM 1520 – C<sup>-</sup> or higher in CHEM 1510; completion of 1511

*Notes on prerequisites:*

1. Students who do not meet the prior chemistry prerequisite should take the prep course CHEM 1000 (1cr) in the fall. See below for more information.
2. The math prerequisite for General Chemistry I is *placement* into MATH 1021 or higher. However, students who intend to move on to General Chemistry II should note that *completion* of MATH 1021, or placement into a higher math course, is a prerequisite for CHEM 1510. Students who enter Seattle University calculus-ready have fulfilled the math prerequisites.

**When the courses are offered:**

|           | Fall             | Winter           | Spring           | Summer | Fall          |
|-----------|------------------|------------------|------------------|--------|---------------|
| Series 1: | CHEM 1500/01 (5) | CHEM 1510/11 (6) | CHEM 1520 (4)    |        |               |
| Series 2: | CHEM 1000 (1)*   | CHEM 1500/01 (5) | CHEM 1510/11 (6) | x      | CHEM 1520 (4) |

*\*Only necessary if the student does not meet the prior chemistry prerequisite.*

**Getting ready for CHEM 1500:** Students often report that it has been a few years since they last took a chemistry course. Students are also coming into general chemistry with varying math and chemistry backgrounds. To help you “warm up” for CHEM 1500, the faculty have set up free review/practice modules using the online learning system ALEKS. This is the same electronic homework platform you will use in general chemistry, so you get an advance opportunity to find out how it works. ALEKS is an adaptive system that quizzes you to determine what you already know, and then it gives you questions to work on that confirm and develop your existing knowledge. Taking some time to review and practice this summer will help to set you up for success in CHEM 1500.

**CHEM 1000 – Preparatory Chemistry Tutorial:** Students who do not meet the CHEM 1500 prerequisite for prior chemistry at the high school or college level should enroll in CHEM 1000 in the fall quarter. CHEM 1000 is a one-credit course (graded CR/F) that introduces some of the foundational terms, concepts, and skills encountered in general chemistry. Independent online work is supplemented with weekly class sessions and study groups.

To request registration in CHEM 1000, submit a WISE form. See the right-hand side of this page for the form link: <https://www.seattleu.edu/scieng/advising/advising-and-support/registering-for-classes/>

More information about summer review and CHEM 1000 will be available on the chemistry department [website](#).

**Completing the general chemistry series:** All colleges recommend that you complete the entire sequence of general chemistry at one institution. If you plan to complete the sequence elsewhere, consult with your professor and academic advisor. Not all general chemistry courses are equivalent.

**Advanced Placement:** 5 credits granted for CHEM 1500/1501 with a score of 4 or 5. Students who score 5 may request an exam to also receive credit for CHEM 1510; contact the department by week 3 of fall quarter.