

HOPE COLLEGE FIRST-YEAR CHEMISTRY OFFERINGS

We offer two course sequences for general chemistry and the option to advance to organic chemistry to meet the needs of a variety of students:

General Chemistry

Chem 125 and 127: General Chemistry I and Lab (fall semester)

Chem 126 and 128: General Chemistry II and Lab (spring semester)

OR

Chem 131 and 132: Accelerated General Chemistry and Lab (fall only)

Chem 131/132 are accelerated general chemistry courses and cover the same material as the two-semester combination of Chem 125/127 and Chem 126/128.

Both sequences are designed for science majors, preparing you to take higher-level courses in chemistry and satisfy pre-health program requirements.

Organic Chemistry

Incoming first-year students with a 4 or 5 on the AP Chemistry exam may take Chem 221 and 225: Organic Chemistry I and Lab (fall semester) and Chem 231 and 256: Organic Chemistry II (spring semester).

CHOOSING A SEQUENCE

If you have an AP Chemistry score of 4 or 5, you are eligible to start at Hope with Chem 221/255 Organic Chemistry I. This may be of particular interest for students with excellent high school preparation in lecture and lab; you should contact Dr. Sanford at sanford@hope.edu for details about taking organic chemistry as a first-year student.

Consider taking Chem 131/132 if you meet two of the three following requirements:

- AP Chem score of 3+ or successful completion of 2 years of high school chem lecture and lab
- ACT Math score of 30+ or SAT Math score of 670+ (old) / 700+ (new)
- At least one semester of a calculus class (high school, AP, IB, dual enrollment)

If you successfully complete Chem 131/132, you will receive 4 additional credits for Chem 125/127.

If you do not meet at least two of the three above requirements, we recommend taking Chem 125/127 in the fall, then registering for Chem 126/128 for spring.

Both the accelerated and organic sequences provide more flexibility for scheduling advanced courses in chemistry and facilitate taking advantage of study abroad opportunities later in your Hope career.

If you are in the Day1: Watershed program, you will be registered for Chem 125, but will be registered for Chem 195: Watershed Lab in place of Chem 127.

WHAT TO TAKE AFTER YOUR FIRST YEAR

If you take Chem 131/132 in the fall, you can take Chem 331 and 332: Analytical Chemistry and Lab in the spring, followed by Organic Chemistry I the fall of your second year.

Typically students who take the two semester sequence of General Chemistry take Organic Chemistry I the next fall. Students who complete Organic Chemistry I and II are able to register for almost any upper-level chemistry course.

If you have any questions about which sequence is right for you, contact Dr. Sanford at sanford@hope.edu.