

## AP Chemistry/KAP Chemistry

KAP Chemistry and AP Chemistry are **college-level** chemistry courses. They are *second-year courses*—students should have successfully completed a chemistry course in their sophomore or junior years of high school. It emphasizes chemical understanding, both quantitatively and qualitatively, in a laboratory setting. Students should have successfully completed Algebra 2 and Biology. They should have completed Chemistry with a “B” or better average.



### KAP vs AP Chemistry

KAP Chemistry	AP Chemistry
2 High School Credits	1.5 High School Credits
12 Semester Hours college credit from Kenyon College	Depending on the school, typically 3-5 semester hours for a 3 or better on the AP test
Your grade follows you to college	Grade in course is only on High School transcript
Suggested for students who are in top 25% of class	
Already completed pre-Calc	Taking pre-Calc or Algebra 3 concurrently
2016-2017 cost: \$300	2016-2017 cost: \$95 for those taking the AP Test

### Common Questions:

#### What is the difference in the courses?

An outside observer would not be able to tell which students are KAP & which are AP. Most of the year, students don't see any difference. However, by state mandate, the course is KAP Chemistry, with AP Chemistry students sitting in. There is only one section (NMR & IR Spectroscopy) that Kenyon requires that is not currently a part of the AP curriculum.

#### Are the credits transferrable?

All Ohio public universities must accept KAP credits and must give *some* credit for a 3 or better on an AP test. Ohio private schools and both public and private schools outside of Ohio, commonly give college credit for both KAP & AP, but it varies by institution.

#### Why KAP?

Long before College Credit Plus, Kenyon College started KAP. They wanted college-readiness to be based on an entire year's work, not a single test.

#### Why AP?

If you **know** that you will be taking college chemistry, and you are interested in learning more chemistry, as a way of preparing for college chemistry, AP Chemistry is the place for you!

#### If I take KAP, can I still take the AP test?

Yes. Quite a few juniors do both. Seniors might, depending on where they decide to go to college.

**Do we do a lot of review for the AP test?**

Because, by state mandate, we must teach the College Credit Plus course, most review is outside of class. There will be a minimum of six review sessions before/after school; often there are more.

**Can I skip freshman chemistry & go straight into Organic chemistry in college?**

That is a personal decision. You will certainly have the content, but the first year of college has a **huge** learning curve. Many students, especially those for whom high school was easy, are not ready to jump into the demands of organic chemistry as college freshmen. Many universities have programs designed especially for students like you.

**I want to be an engineer. Is KAP right for me?**

Probably. Engineering programs require a year of college chemistry, even if the area of engineering isn't chemistry-based. KAP Chemistry gets that requirement out of the way, so you can focus on what you want to do.

**I want to go into the humanities. Is KAP right for me?**

Probably. Most schools requires students to take some sort of science. KAP Chemistry gets that requirement out of the way, so you can focus on what you want to do.

**I want to be a doctor. Is KAP right for me?**

Probably. You will need chemistry, and KAP Chemistry provides a great foundation.

**I am getting College Jumpstart Credits. Can I take KAP?**

Typically not. You should check with Mr. Woodford, but AP Chemistry is probably the best bet.

**From the syllabus**

Students will earn one and one-half credits of AP level laboratory science or two credits of College Credit Plus laboratory science. The course is taught as a "1 ½ block" course—students will alternate between single period and double period. The double period on alternate days will allow us to complete the more rigorous laboratory activities required by the AP curriculum. Classes will either be 48 minutes or 100 minutes in length, with an average of 375 minutes of class time each week. The classes are arranged so that students may take 2 AP Sciences in 3 class periods. A minimum of twenty-five percent of instructional time is dedicated to the lab activities.

Students will be able to earn college credit by scoring well on the AP Chemistry test **or** they may earn credit through Kenyon College by participating in the KAP program. The AP test will take place in early May; there is an additional fee for the AP test. Extra assignments will be required depending on which option a student chooses. Students should check with their colleges about which option the students should choose.

**About KAP...**

Students who will have junior or senior status will have the opportunity to apply for admission to the KAP (Kenyon Academic Partnership) program. The program allows students to get college credit while still in high school. Students will have an official transcript from Kenyon College. Students who wish to enroll in KAP courses must be strongly motivated and should have demonstrated

success in the subject areas they wish to pursue. Since KAP courses are demanding, readiness and willingness to work hard are essential for success. When students register for their courses, they must complete a separate application for the KAP program. The application includes a teacher recommendations and a transcript. There is an additional fee for KAP and additional coursework may be required. Students participating in the KAP program will receive **2 high school credits** and college credit for the **four** following Kenyon courses:

Chemistry 121 Introductory Chemistry Lecture (0.5 Kenyon units; 4 semester hours)

Chemistry 123 Introductory Chemistry Laboratory (0.25 Kenyon units; 2 semester hours)

Chemistry 124 Biophysical and Medicinal Chemistry (0.5 Kenyon units; 4 semester hours)

Chemistry 125 Biophysical and Medicinal Chemistry (0.25 Kenyon units; 2 semester hours)

**NOTE:**

Although there is a biological focus to the second semester Kenyon courses, the major chemical topics (equilibrium, atomic structure and bonding, kinetics) are the same as a traditional second-semester chemistry course. Students enrolled in KAP will have the same chemistry content as those enrolled only in AP Chemistry.

**About AP Chemistry...**

Students enrolled in AP Chemistry will earn **1.5 High School credits**.

Success on the AP test requires *significant effort outside of class*.

- **All students not enrolled in KAP are expected to take the AP Chemistry Test.** In *extremely rare* circumstances, a student may decide not to take the AP test—that student should expect an additional graded assignment on the day of the AP Test.

