



## Chemistry

### ■ What Is Chemistry?

Chemistry is the study of material on the molecular level; how molecules are structured, how they react with each other and under what conditions, how can they be modified and how does each modification affect physical properties. Chemistry affects everything from food to medicine, from pollution control to paint formulation, from permanent-press clothes to kitchen counter tops. Most of the work of chemistry is done in research, applications or quality control laboratories.

Many who study chemistry do so as preparation for a career in medicine or pharmacology.

This program provides you with the first 2 years toward completion of a bachelor's degree in chemistry.

### ■ Success Factors

You should have good math and problem-solving skills, enjoy science, and be detail oriented. You should also enjoy hands-on work and have a high tolerance for unpleasant odors.

### ■ Career Possibilities

A bachelor's degree is the minimum educational requirement for many beginning jobs in chemistry. Although your career opportunities are somewhat limited without an advanced degree, you can start your career in testing and inspecting, quality control or as chemical research technician. You may, like many chemistry graduates, also enter medical, dental, veterinary or allied health professional schools.

While a master's degree is sufficient for some jobs in applied research, you will need your PhD for college teaching, independent research and for advancement to administrative research and management positions.

### ■ Majoring In Chemistry

This program provides the first 2 years of study for a baccalaureate degree in chemistry.

We assume you have a strong high school background in both math and science, including two years of algebra and one year of plane geometry, chemistry, and biology. If you don't, you may be required to take preparatory courses before entering the program.

You should be able to complete this program in 2 years, attending full-time fall, winter and spring quarters. You will need another 2 years of full-time study to complete your bachelor's degree.

Chemistry is a rigorous course of study. To avoid carrying heavy course loads you may wish to consider taking your English and elective courses during the summer quarters. This is especially true if you choose the 2 year language series (18 credit hours).

## ■ Program Requirements

You should check with your academic advisor every quarter *before* you register for classes. Two years is really a short time to squeeze in all of your degree requirements. We cannot offer every course every quarter. If you miss taking a prerequisite for a required course, or don't take a particular course the only quarter it is offered during the year, you can jeopardize your ability to complete your degree on time.

<b>CORE COURSES</b>	<b>Cr. Hrs.</b>
First Year Chemistry I, II, III .....	12
First Year Chemistry Lab I, II, III.....	3
Organic Chemistry I, II, III.....	12
Organic Chemistry Lab I, II, III .....	4
English Composition I, II.....	6
Intermediate Composition.....	3
Survey of the History of Science.....	3
Calculus and Analytic Geometry I, II, III.....	15
General Physics I, II, III.....	12
General Physics Lab I, II, III.....	3
Foreign Language .....	15-18
Social Science electives .....	9
Fine Arts/History/Literature elective.....	3
TOTAL.....	100

## ■ Advantages & Special Opportunities

The Clermont campus is on 92 wooded acres located in Batavia, Ohio, in the heart of Clermont County. We are relatively small and our faculty to student ratio is low. You will find our small class size and personal interaction with your instructors create the ideal learning environment. Parking is convenient and at no additional charge. Plus, our tuition is the lowest of the UC colleges.

## ■ Admissions

UC Clermont College is an open admissions campus. If you have your high school diploma, GED, or its equivalent, we will admit you. We accept applications all year long and you may start any quarter. Financial aid takes 6-8 weeks to process. We recommend that you apply at least 10 weeks prior to your desired attendance.

You should plan to start pre-chemistry in the fall quarter because the basic series of foundation courses required for this program starts in the fall and continues sequentially through the spring.

## ■ For More Information, Contact:

Enrollment & Student Services  
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Batavia OH 45103

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1-866-446-2822  
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[Clermont.Information@uc.edu](mailto:Clermont.Information@uc.edu)



We are converting to semesters in fall 2012. For complete details on how this may affect you, visit [www.uc.edu/conversion](http://www.uc.edu/conversion).