Chemistry

"The strong liberal arts tradition plus the personal attention I received from professors at Bethel gave me a broad background and the confidence to tackle problems from many perspectives. This emphasis gave me an advantage over my peers when I entered graduate school."

—Alice Deckert '84, assistant professor of chemistry, Allegheny College, Meadville, Pa.

Question

How will I know if this is the right major for me?

Answer

From the start, your faculty advisor will work with you to set up a course schedule and help you explore options available in chemistry as a major (or minor). Do you have a natural curiosity about how nature works and a strong desire to explore the unknown? Are you not content with pat answers but relish investigation and problem-solving? Do you enjoy laboratory work (an important component of Bethel's chemistry program)? If so, chemistry could be the ideal major or minor for you. You may also be well-suited for chemistry if you are interested in math and other scientific fields. Because of its broad impact, chemistry is often called the "central science." A degree in chemistry from Bethel College requires courses in physics and mathematical sciences as well. Once you've completed a chemistry degree, you'll find yourself ready to pursue a wide range of careers, including industrial chemistry, chemical physics, environmental chemistry, medicine or teaching, or to continue on to graduate school, as many Bethel chemistry graduates have done.

Question

What courses are required for a degree in chemistry from Bethel College?

Answer

- Chemistry I & II
- Organic Chemistry I & II
- Analytical Chemistry
- Instrumental Analysis
- Advanced Physical Chemistry
- Natural Science Seminar I & II
- General Physics I & II
- Calculus I
- Computers in the Sciences

Bethel

Seek. Serve. Grow.

Question

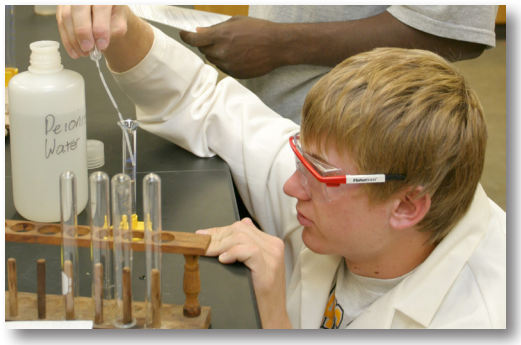
What kind of practical experience will I get?

Answer

We strongly believe in the importance of doing chemistry as part of learning chemistry. Using the facilities in Bethel's new state-of-the-art Krehbiel Science Center, you'll learn the techniques and instruments necessary for lab work. You will have the opportunity to become a lab assistant to further develop your skills. In addition, Bethel provides you with multiple opportunities to do on-campus research. Past projects have included studies of lead in area field crops, studies of the catalytic activity of manganese oxide, development of remote control spectroscopy and research on the reaction of glucosamine with DNA.

At Bethel, practical experience is not limited to campus. In recent years, students have completed internships and summer research programs at places such as:

- Argonne National Laboratory, Chicago
- Walt Disney World, Orlando
- University of Pittsburgh, Notre Dame University, University of Kansas, Iowa State University
- Hospira Parmaceuticals, McPherson, Kan.



Question

What can I expect after graduation?

Answer

With degrees in chemistry, Bethel College graduates have gone on to a variety of occupations, including:

- College professor
- High school teacher
- Medical doctor
- Pharmacist
- Biochemist
- Optometrist
- Industrial chemist
- Petroleum chemist
- Forensic chemist

Bethel chemistry alumni are currently working for places such as:

- Kodak, Rochester, N.Y.
- Johns Hopkins University, Baltimore, Md.
- Midwest Research Institute, Kansas City, Mo.
- Koch Industries, Wichita, Kan.
- National Cooperative Refinery Association, McPherson, Kan.
- University of Wisconsin-Madison

"The classes I had at Bethel and the close interaction I had with the Bethel faculty were excellent preparations for graduate school. I particularly appreciate the way that my professors pushed me to understand as much as I can about the fundamentals of science."

—Mark Ediger '79, professor of chemistry, University of Wisconsin-Madison

Bethel College

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