Chemical Technology
Develop Products for a Changing World

Do you have a natural curiosity about how things work and what they are made of? Do you like to perform experiments and work with laboratory equipment? The Chemical Technology program may be just the right fit. The program teaches chemistry skills for employment in a variety of different industries and provides an excellent foundation for future study.

Over the past 10 years, the running of industrial laboratories and manufacturing plants has fallen increasingly to technicians. As a chemical technician, you work with chemical engineers and chemists to develop, test and manufacture products, such as new foods, drugs or fabrics.

“In addition to performing routine tasks, many technicians, under the direction of scientists, now develop and adapt laboratory procedures to achieve the best results, interpret data and devise solutions to problems.”


The Chemical Technology program offers:
• hands-on learning using modern analytical instruments
• knowledge of inorganic, organic and analytical chemistry
• preparation to take the industry’s voluntary exam for chemical technicians

The College’s Chemical Technology program is recognized by the American Chemical Society as providing both the theoretical and practical aspects required for success. The well-equipped laboratories allow for hands-on experience and learning.

The program prepares you to work in a variety of areas:
• research, manufacturing and industrial labs
• governmental settings

The College is one of a few institutions in this region where you can prepare for a career as a chemical technician in two years.

Career Paths
According to the American Chemical Society’s Science Career Cornerstone Series, “Chemical technologists are at the heart of the operation in the chemical industry. They hold positions that were once only assigned to Ph.D.s and engineers.”

The Philadelphia region is one of the nation’s top technology hubs because of the presence of many pharmaceutical, bioscience and medical device companies, as well

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as multiple research and health care institutions.

The Chemical Technology Program
The Chemical Technology program prepares students to play a vital role in a diverse and expanding field. By providing students with a theoretical and practical foundation, graduates of this program are able to adapt to a changing workplace.

Salaries
Chemical technicians: $20.25/hr.


The College's transfer agreements with regional educational institutions also enable Chemical Technology graduates to transfer seamlessly and pursue a four-year degree in Chemistry.

This program provides the opportunity to learn to perform these tasks:
- design and implement experimental procedures
- establish analytical standards
- use specialized instruments for chemical identification
- test for quality, performance or composition of chemical compounds or materials
- compile and interpret data
- write reports and give presentations on experimental results
- suggest ways to improve existing products or processes

• oversee the implementation of safety guidelines established by the Occupational Health and Safety Administration (OSHA)

Areas of Study
This curriculum includes courses in General Chemistry, Organic Chemistry and Instrumental Chemistry.

Admission to the College
Prospective students are strongly encouraged to apply early prior to the start of a term in order to complete the appropriate steps for enrollment. For more information about admission to the College and important dates, including open house information, visit our Web site at www.ccp.edu, call 215-751-8010 or e-mail admissions@ccp.edu.