

Community College of Philadelphia

Chemical Technology

Develop Products for a Changing World

Are you interested in science and 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

“Science technicians, such as biological and chemical technicians, play an important part in the research and development of new medicines.”

– U.S. Department of Labor,
*Occupational Outlook
Handbook, 2006-07 Edition*

plants has fallen increasingly to technicians. As a chemical technician, you work with chemists and chemical engineers to develop, test and manufacture chemical products. You might someday see a new food, drug or fabric on the market and know that your team helped to develop it.

The Chemical Technology program offers:

- hands-on learning using modern analytical instruments
- small class sizes, allowing for individualized instruction
- 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

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

hands-on experience and learning.

The program prepares you to work in:

- research labs
- manufacturing and industrial labs
- governmental settings

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

Career Paths

Technicians are qualified for positions in a research, production, technical service, environmental or governmental laboratory and assisting in research and development and quality control positions.

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.”



Chemical Technology at Community College of Philadelphia

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 as multiple research and health care institutions.

The Chemical Technology Program

This program prepares students to play a vital role in a diverse and expanding field. By providing students with a theoretical and practical foundation, graduates are able to adapt to a changing workplace.

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.

Salaries

Chemical technicians – \$18.35/hr*

*Median hourly earnings in May 2004, courtesy of Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook, 2006-07 Edition*

This program provides the opportunity to learn and 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

College Information

Visit the College Website at www.ccp.edu to find out about:

Academic Programs

www.ccp.edu/site/academic/

Admissions Process

www.ccp.edu/site/prospective/admissions_process.php

Transfer Agreements

www.ccp.edu/site/prospective/transfer_agreements/

Financial Aid

www.ccp.edu/site/prospective/financial_aid/

Scholarships and Awards

www.ccp.edu/site/current/scholarships/

College Life

www.ccp.edu/site/current/student_life/

Directions to the College

www.ccp.edu/site/locations/main.php

- suggest ways to improve existing products or processes
- oversee the implementation of safety guidelines established by the Occupational Health and Safety Administration (OSHA)

Students in counties where a similar community college program is not available may be able to attend at in-county rates.

Areas of Study

This curriculum includes courses in Inorganic and Organic Chemistry, Analytical Chemistry and Instrumental Chemistry.

Admission to the College

We accept students on an open enrollment basis, meaning that applications are accepted at all times of the year. For registration information, call **215-751-8010** or e-mail admissions@ccp.edu.

Affirmative Action Statement

Community College of Philadelphia is committed to the principles of equal employment and equal educational opportunity for all persons without regard to race, color, ancestry, creed, national or ethnic origin, age, sexual orientation/preference, religion, sex, disability or status as a disabled veteran or veteran of the Vietnam Era, in the administration of its educational programs, activities, or employment in accordance with applicable Federal statutes and regulations. Any questions regarding this statement should be directed to the Director, Office of Diversity and Equity located in room M2-36; telephone number 215-751-8039.