

# Community College of Philadelphia

## Geographic Information Systems

### *Map Your Way to a Successful Career*

Have you ever used an Internet site that gives you driving directions and helps you find a nearby restaurant? Have you used the Web to track when a package will arrive? Then you have used Geographic Information Systems in your daily life. If you would like to work in this field that turns maps into super sources of information, the GIS program is for you.

GIS, a critical component of geospatial technology, is an emerging new field that is growing quickly and offers many opportunities. Working with geospatial technology, you use computers to bring together many types of data for display on a map. You might create a map that shows bicycle routes and cycle shops in a city, map locations to analyze crime or predict areas that are at risk of floods.

*In September 2004, the U.S. Secretary of Labor announced a series of investments totaling nearly \$6.4 million to address the workforce needs of the geospatial technology industry.*

– U.S. Department of Labor, Employment and Training Administration.

The education and hands-on experience you receive at the College in the Geographic Information Systems program is also more affordable than professional development seminars or a four-year institution.

The program provides:

- preparation to enter an exciting, emerging industry

- hands-on sessions utilizing up-to-date computer hardware and software
- theory and skills to manage GIS projects
- enrichment activities

The skills you learn in this program prepare you for the following careers:

- GIS technician
- surveying specialist
- database technician

#### **Career Paths**

The U.S. Departments of Labor and Education list geospatial technology on their Career Voyages Web site as an emerging industry, expected to have high growth and high demand. The geospatial industry is one of 14 areas included in the federal High Growth Job Training Initiative. These career fields are considered vital to the economy.



# Geographic Information Systems at Community College of Philadelphia

The city of Philadelphia uses GIS extensively and has received several awards for its GIS activities. GIS is also used by surrounding Philadelphia suburbs and in major universities in the area.

According to the American Society for Photogrammetry and Remote Sensing, the geospatial industry includes jobs that students can prepare for through an associate's degree program.

GIS information is used in areas including businesses, government, colleges and universities.

## Salaries

For entering GIS technicians: Salaries range from \$31,028 to \$45,848 with an average salary of \$34,801.

For experienced GIS managers/coordinators: Salaries range from \$51,850 to \$81,516 with an average salary of \$69,528.

– figures from [www.geospatialcareers.net](http://www.geospatialcareers.net)

## The Geographic Information Systems Program

The Geographic Information Systems program, part of the Center for Law and Society, provides essential GIS theory and practical knowledge. The program also allows students to explore interests in specialized areas.

The A.A.S. in Geographic Information Systems teaches students to:

- understand the technical process behind GIS
- use basic GIS tools
- develop a portfolio of GIS work

## College Information

Visit the College Website at [www.ccp.edu](http://www.ccp.edu) to find out about:

### Academic Programs

[www.ccp.edu/site/academic/](http://www.ccp.edu/site/academic/)

### Admissions Process

[www.ccp.edu/site/prospective/admissions\\_process.php](http://www.ccp.edu/site/prospective/admissions_process.php)

### Transfer Agreements

[www.ccp.edu/site/prospective/transfer\\_agreements/](http://www.ccp.edu/site/prospective/transfer_agreements/)

### Financial Aid

[www.ccp.edu/site/prospective/financial\\_aid/](http://www.ccp.edu/site/prospective/financial_aid/)

### Scholarships and Awards

[www.ccp.edu/site/current/scholarships/](http://www.ccp.edu/site/current/scholarships/)

### College Life

[www.ccp.edu/site/current/student\\_life/](http://www.ccp.edu/site/current/student_life/)

### Directions to the College

[www.ccp.edu/site/locations/main.php](http://www.ccp.edu/site/locations/main.php)

- create and manage a GIS database
- design and complete GIS projects

The A.A.S. degree prepares graduates to apply for a job, utilize GIS knowledge in an existing job or pursue further education.

## Areas of Study

This curriculum includes courses in Geographic Information Systems, Spatial Data Analysis and Mapping, Problem Solving with GIS, Computer Cartography and Remote Sensing.

## 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 email **[admissions@ccp.edu](mailto: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.