Are you interested in energy, environmental issues, transportation or manufacturing solutions? The Engineering Science program may be your answer. You can use this versatile program to earn an associate’s degree, get an excellent foundation for a bachelor’s degree, upgrade your job skills and prepare for an exciting career.

“As a group, engineers earn some of the highest average starting salaries among those holding bachelor’s degrees.”


Engineers play a role in almost everything around us, from cell phones and skateboards to skyscrapers and green technology. Engineers working behind the scenes make possible:

- the kitchen of your favorite restaurant
- the machinery that stitched your clothing
- the water in your shower or gas at your local station
- the places where you live, play and study

The Engineering Science program incorporates the latest thinking in engineering education and offers:

- an affordable two years toward bachelor’s and master’s degree programs
- laboratory courses that provide first-hand experience to learn about engineering work
- state-of-the-art facilities and equipment
- opportunities for informal mentoring
- field trips to university laboratories

The education and experience you receive from the College will prepare you to transfer seamlessly to a four- or five-year engineering program while saving you the cost of higher tuition for the first two years of your education.

Career Paths
Most engineering jobs, even entry level, require a bachelor’s degree. According to the U.S. Department of Labor’s Occupational Outlook Handbook, 2008-09 Edition, significant employment growth is expected in a number of specialties, including environmental, biomedical, civil and industrial engineering, through 2016.

The Engineering Science Program
Developed with input from Drexel University, the Engineering Science program provides an excellent foundation to pursue a bachelor’s degree in Engineering. It prepares graduates for several majors, including aerospace, chemical, civil, computer, electrical, industrial, mechanical and nuclear engineering.
engineeering. The most popular majors are electrical and mechanical engineering.

The program features two laboratory courses where future engineers get first-hand experience about what an engineer does on the job. You will work in teams on engineering design projects. While you are enhancing your math and physics skills, you are learning to use computers to gather information, design experiments and control equipment.

The A.S. program in Engineering Science teaches students:
- skills for solving problems and developing plans
- how to work in teams
- how to use computers for many different tasks
- critical thinking
- calculation skills
- engineering design

Salaries
Estimated annual median wages for engineering specialties, May 2008:

Biomedical: $77,400
Civil: $74,600
Electrical: $82,160
Environmental: $74,020
Industrial: $73,820
Mechanical: $74,920


The Engineering Science program has an excellent reputation and relationships with many universities and engineering schools worldwide. The College offers special agreements for easy transfer to engineering programs at Drexel and Temple universities and to the Biomedical Engineering program at Drexel University.

Areas of Study
This curriculum includes courses in Engineering, Physics and Math.

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.