Internship Opportunities

Internships give a student helpful experience and professional connections to start a career. This experience is desirable for a resume. Apply early for internships and seek consulting on how best to interview. Prince George’s Community College (PGCC) offers many services that can help. For additional information, talk to Engineering Advisement.

Employers who offer internships are:

National Aeronautics and Space Administration (NASA)
National Institutes of Health (NIH)
National Institute of Standards and Technology (NIST)
Department of Energy
Department of Interior
Department of Agriculture
Department of Transportation
Department of Defense

Supporting the Student

PGCC works toward the betterment of all students willing to achieve this goal. To that end, PGCC offers a number of support structures in a learning-centered environment to aid the student. For specific programs (such as the STEM Collegian Center) designed for science and engineering, see Engineering Advisement.

A number of Learning Labs, Mentoring Programs, and Collegian Centers are available at PGCC. Various mentoring programs provide one-on-one faculty mentoring to the student. The learning labs are available for students to learn in a group environment with assistance from mentors. The collegian centers provide the students with numerous activities to enhance their peer interactions as well as mentoring. Many engineering students have ensured a successful collegiate experience at PGCC by participating in the STEM center.

The Tutoring & Writing Center provides support for a number of courses at PGCC and many of the tutors are faculty members.

Evening classes are available for many courses at PGCC and many of the tutors are faculty members.

Small class sizes and commitment to the success of the student are hallmarks of PGCC.

Transfer scholarships are available. Ask Engineering Advisement for up-to-date information.

For additional information about the engineering program, contact the Department of Physical Science and Engineering at Prince George’s Community College. Chesapeake Hall Room 100
301-322-0420
http://academic.pgcc.edu/psc (department)
http://academic.pgcc.edu/~sjohnson/engineering.html
http://academic.pgcc.edu/scc (STEM collegian center)

For information on scholarships, grants, and work/study, visit the college web site at http://www.pgcc.edu/financialaid

Prince George's Community College web site offers many web links to aid any student (regardless of what college she is attending) in her prospective college career. Visit the student section at http://www.pgcc.edu/student.html

For additional information on application to the school, class registration, schedules, and costs, visit the college web site at http://www.pgcc.edu

For Engineering Advisement Contact:
Scott Johnson (301)-386-7536 or Rocco Mennella (301)-322-0443 or E-mail: sdjohnson@pgcc.edu

For information on scholarships, grants, and work/study, visit the college web site at http://www.pgcc.edu/financialaid

Computer Engineering
Civil Engineering
Aerospace Engineering
Nuclear Engineering
Environmental Engineering

Electrical Engineering
Bioengineering
Mechanical Engineering
Optical Engineering
Chemical Engineering

PRINCE GEORGE'S COMMUNITY COLLEGE

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Great Career Choice!

A career choice in engineering is a choice in learning, professionalism, and citizenship. With a thorough understanding of engineering, you can more fully grasp the world around you, establish a respected professional career, and design and create the dream products of tomorrow. Engineering is many disciplines in one.

Engineering is history. The history of failure and success is the method engineers use to advance the field. Engineering is art. The act of design and creation defines an engineer. Engineering is business. Design within a reasonable budget is a key goal of engineers. Engineering is science, not just one area of science, but all of them!

Why be an engineer? To reach your full potential as a professional and a citizen.

Engineering is not just for engineers; engineering backgrounds have enhanced numerous successful men's and women's careers such as Presidents, lawyers, managers, actors, actresses, medical doctors, and the like. Engineers have designed everything from the Pyramids to the pencil, from the airplane to the toy car a child plays with; from large to small creations.

The engineering program at Prince George's Community College is designed to give a thorough engineering education for the freshman and sophomore years. Our philosophy is to train a complete engineer who is versatile in engineering and any other field he may wish to pursue. Come join us!

**Engineering Courses**

Engineering program consists of the core program:

- EGR 101: Introductory Engineering
- EGR 102: Statics
- EGR 203: Circuit Analysis
- EGR 205: Introductory Numerical Methods

And the supplemental program depending on your final major:

- EGR 201: Dynamics
- EGR 202: Mechanics of Materials
- EGR 206: Thermodynamics
- EGR 244: Digital Logic Design
- EGR 245: Electronic and Digital Circuit Laboratory

with support courses including the following courses:

- CHM 101, 102, 103: General Chemistry with Laboratory
- PHY 103, 203, 204: General Physics (calculus-based)
- MAT 241, 242, 243: Calculus
- MAT 245: Linear Algebra
- MAT 246: Differential Equations
- MAT 250: Mathematics of Discrete Structures
- CHM 201, 202, 204: Organic Chemistry with Laboratory
- BIO 113, 114: Principles of Biology
- BIO 201: Microbiology
- BIO 209: Cell Biology
- BIO 225: Introduction to Biotechnology
- CIS 121, 122: Computer Science (calculus-based)
- MUS 115, 116: Music Theory (Music Engineering)

A pre-engineering program (1-year) consists of the following program:

- CHM 101, 102, 103: General Chemistry with Laboratory
- MAT 135: College Algebra
- MAT 136: Trigonometry and Analytic Geometry
- EGL 101: Composition I: Expository Writing
- CIS 101: Computer Literacy
- CIS 113: Computer Programming

Other core requirements need to be met to get an associate degree in engineering. All courses in the engineering program are transferable to area colleges. However, for transferring options, please meet with Engineering Advisement and your college(s) of choice for the last two years of your degree.

**Excellent Prospects**

Great salaries!
Excellent benefits!
Stable job prospects!

Your most important career decision should not be about the money you will make, but whether you enjoy the work. However, any person would wish to be assured they would have a reasonably comfortable life in their chosen profession. A background in engineering will help you achieve that goal.

Historically, from ancient Egypt until present-day society, engineers have had salaries and benefits substantially above the median income wherever they may live. Employment prospects in both good times and bad times have always been excellent for engineers.

The challenging training that an engineer receives is transferable to a number of jobs besides engineering, giving the engineer the confidence that she will remain employed throughout her lifetime.