

Capitol College



Capitol is preparing a new generation of engineers who are as talented in business and information technology skills as they are in designing and problem solving—a necessity as the nature of the profession evolves and broadens.

MAIN CAMPUS: Prince George's County

ACADEMIC PROGRAMS PROVIDED IN THE FOLLOWING MARYLAND

COUNTIES: Anne Arundel, Baltimore City, Baltimore, Calvert, Caroline, Carroll, Cecil, Charles, Dorchester, Frederick, Harford, Howard, Kent, Montgomery, Queen Anne's, Saint Mary's, Somerset, Talbot, Washington, Wicomico

HEADCOUNT FALL 2006: 780

CARNEGIE DESIGNATION: Special Focus Institutions—Other technology-related schools

Capitol College is the only independent college in Maryland dedicated to engineering, computer sciences, information technologies, and business. Founded in 1927, Capitol College is a regionally accredited institution offering associate, bachelor's, and master's degrees, as well as professional development training and certificates. The college's 52-acre campus is located in Laurel, Maryland, a suburban setting midway between Washington, D.C., and Baltimore. Full-time undergraduate students are eligible for a five-year tuition lock and a job guarantee. All graduate-level degrees are available online, supported by software that delivers live, real-time lectures.

Capitol College guarantees its qualified bachelor's degree graduates placement in a high-technology or information technology job with a competitive salary within 90 days of graduation.

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At a Glance

Capitol College blends academic excellence with practical learning experiences that prepare students for a range of challenging and competitive careers. Capitol College remains committed to its mission through collaborations with business and government agencies, such as the NASA-supported Space Operations Institute and the National Security Agency.

WORTH NOTING: Capitol College is one of the few institutions to offer a bachelor's degree in network security. It's also one of a select number of colleges that has been designated a Center of Academic Excellence in Information Assurance Education by the National Security Agency.



**Michael T. Wood,
President**

CAPITOL COLLEGE

Solutions for Maryland

The pay is good and the work is plentiful, but young adults are looking the other way when it comes to careers in engineering. That's a serious problem for a State that takes pride as a technological force in the global economy.

Capitol College is collaborating with government agencies, private industries, and nonprofit organizations to meet the demands of Maryland businesses. As a partner with several groups, Capitol is reaching out to young students, introducing them to engineering career possibilities so they will eventually join the profession.

Many young students, especially women and minorities, shy away from engineering because of the perceived difficulty of a math- and science-heavy curriculum. Capitol and NASA Goddard Space Flight Center began in 1992 their six-week-long NASA Pre-Engineering Program for minority high school students. High school graduates get accustomed to college life and take courses that prepare them for the rigors of their first year as an engineering student. And with the support of Perkin Elmer Fluid Sciences, Capitol began introducing Hispanic high school students to the profession during a one-week-long session, Raising Hispanic Awareness of Engineering. Teenagers in grades 9-11 have come to Capitol to build rockets, meet engineers, and visit workplaces—all to get a taste of what engineering is about.

Through its affiliation with the FIRST robotics competition, Capitol has hosted the regional kick-off to the event, bringing dozens of high school robot-building teams on campus to prepare for the competition. Designing and building robots lets students work hands-on with engineers and the tools engineers use.

Capitol, like many organizations, knows the core of the problem runs deeper. Students need the basic math and engineering founda-

tions as early as possible to prepare for the advanced-level courses required during the first year as a college student. As a partner with Project Lead the Way, Capitol is supporting efforts to integrate engineering concepts into middle- and high-school curricula. Capitol College professors are training high school teachers in areas such as digital electronics so they can then teach their own students.

Once students decide to become engineers, the next step is helping them develop not just their technical aptitude, but also skills in communication, leadership, and interpersonal relations. The engineers of today must be competent as complete professionals. Capitol is preparing a new generation of engineers who are as talented in business and information technology skills as they are in designing and problem solving—a necessity as the nature of the profession evolves and broadens.

