COMPUTER SCIENCE

From Study to Skills

The computer science major at Rutgers-Camden includes two programs: the Bachelor of Science (B.S.) program and the Bachelor of Arts (B.A.) program. The programs have substantially different natural science and mathematics requirements. The B.S. degree is intended for students planning to pursue careers and/or graduate studies in science and engineering. The B.A. degree has less natural science and mathematics requirements, thus allowing students greater opportunity to develop a breadth of knowledge in other disciplines such as the arts, humanities, social sciences, and business.

Employment opportunities exist for Computer Science majors in nearly all sectors of the economy due to the widespread use of computers. Some possibilities are: computer manufacturers and software companies, corporations, laboratories and pharmaceutical companies, hospitals and healthcare organizations, and educational institutions.

Related Fields: Biology, Business, Chemistry, Engineering, Mathematics, Physics

Skills and Abilities

Investigative Skills - Students will learn to design systems, understand operating systems, mathematical skills, concentrate on details, and organization.

Analytical Thinking - Students will develop strong problem solving skills, abstract and formal reasoning, advanced quantitative abilities, and practice systemizing and statistical analysis.

Communication Skills - Students will use written and oral communication skills, work independently, and practice team collaboration.

Internships

Rutgers-Camden Computer Science students are encouraged to apply for internships. Some opportunities are:

- Aptagen LLC
- Bandwave Systems
- Campbell Soup
- Converse
- Engineered Arresting Systems Corporation
- HRcomputes
- IT Intern, Subaru of North America
- K-Tron Pitman
- Lockheed Martin
- Miles Technologies
- Milspray Military Technology
- Parkeon Inc
- Tri State Treatment Connections
- U.S. Department of Homeland Security
- Viridity Energy, Inc
- Woodrow Wilson Teaching Fellowship
What Careers are Available for Computer Science Majors

The following are samples of first jobs of Rutgers-Camden Computer Science majors:

Software Engineer, L-3 Communications
Software Developer, Sauper Associates
Infrastructure Specialist, The Boeing Company
Data processing & Programmer, NJ Department of the Treasury
Quality Assurance Specialist, Defense Contract Management Agency

Computer Scientist, CECOM
Computer Systems Analyst, Delaware Investments
Assistant Project Manager, Miles Technologies
Jr. Unix Enterprise Security Consultant, Xacta

Graduate School Options

While many Computer Science majors choose to go directly into the workplace after graduation, others will decide to pursue a graduate degree. Rutgers-Camden Computer Science majors have earned Master's and Doctorate level degrees in Computer Science as well as Business Administration, Education, Engineering, Law, and Library & Information Science. Here are just some of the programs that Rutgers-Camden alumni have pursued:

Brown University, Computer Science
John Hopkins University, Computer Science
Monmouth University, Engineering Technology
Rutgers University: Finance, Information Technology & Informatics, Education, Computer Graphics
Seton Hall University, Management

University of Illinois, Computer Science
University of Pittsburgh, Physics & Astronomy
Yale University, Biomedical Engineering

Resources

American Association for Artificial Intelligence
www.aaai.org

IEEE Computer Society
www.computer.org

International Webmasters Association
www.iwanet.org

Internet Society
www.internetsociety.org

Association for Computing Machinery
www.acm.org

Join the student chapter of The Association for Computing Machinery
Consider joining STEM Scholars or Q-STEP.
Assist a faculty member with their research.
Visit RaptorLink for internship opportunities in your field of interest.
Connect with professionals on LinkedIn.

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