

# 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 wide spread 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  
Comverse  
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  
Patent Examiner, US Patent & Trademark Office  
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](http://www.aaai.org)

### **IEEE Computer Society**

[www.computer.org](http://www.computer.org)

### **International Webmasters Association**

[www.iwanet.org](http://www.iwanet.org)

### **Internet Society**

[www.internetsociety.org](http://www.internetsociety.org)

### **Association for Computing Machinery**

[www.acm.org](http://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.

### **Career Center**

Room 006 Campus Center, Lower Level  
326 Penn Street  
Camden, NJ 08102  
856.225.6046  
[careercenter@camden.rutgers.edu](mailto:careercenter@camden.rutgers.edu)  
<http://cc.camden.rutgers.edu>