

Computer Science

Toms River Center

2 Year Program

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Those trained in computer science can specialize in a number of different areas (see “Related Job Titles” below). They can be programmers, software engineers or website designers. They may work individually or on a team, as a member, team leader or project manager. They may be involved with developing e-businesses or may specialize in web development.

Related Job Titles

Applications Engineer
Data Scientist
Java Developer
Product Designer
Software Developer

Security Engineer
UX Designer
Systems Engineer
Solutions Architect

Career Ladder

Workers in these fields usually begin as assistant members of a technical staff, or as trainees. They can then advance to team leader or project management. Generally, they are expected to put in as much time as is necessary to complete a task.

Skills You Will Learn

- Use a variety of applications software
- Object-oriented software design
- Program in a high level language
- Produce a production software package
- Advanced web site development
- Use graphics animation packages
- Install and use a relational database
- Write a procedure

Preferred Skills for Career Field:

You should:

- Like to analyze problems and propose solutions
- Be detail oriented and self-disciplined
- Have the ability to compose/write explanations and instructions for your work
- Be able to express yourself clearly, both written and orally

Continuing Education

An Associate or Bachelor Degree in Computer Science (with a concentration in one’s desired field) or the equivalent experience is necessary for most jobs. A Bachelor Degree is usually required for advancement.

Ocean County College
Rutgers University
New Jersey Institute of Technology
Art Institute of Philadelphia
Richard Stockton University

An articulation agreement is in place with Ocean County College, enabling students to receive college credits upon successful completion of the course.