

Computer Science

TECH PREP

Toms River Center

2 Year Program

Mr. Mike Clarke

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

Related Job Titles

Software Development	Database Developer
Network Engineer	QA Engineer
Web Developer	E-business Architect
Hardware Technician	Project Manager
Systems Analyst	Programmer/Analyst
Technical Support	Systems Operator

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

- Install operating systems
- Install related software/drivers
- Use a variety of applications software
- Modular software design
- Program in a high level language
- Produce a production software package
- Elementary web page development
- Use graphics animation packages
- Install and use a relational database
- Write a procedure

Continuing Education

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

Ocean County Vocational Technical School
Ocean County College
Brookdale Community College

Worker Requirements

You must:

- 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

A Tech Prep agreement is in place with Ocean County College, enabling students to receive twelve college credits upon successful completion of the course.

Revised 8/8/06