Computer Programming and Information Technology (HEGIS 5103) see College Catalog

ASSOCIATE OF OCCUPATIONAL STUDIES DEGREE; 64 Semester Credits Required for Graduation

1ST SEMESTER
- Fundamentals of Computer Technology
- Computer Architecture
- Telecommunications Concepts
- Programming Languages Concepts
- Freshman Skills Seminar
- Information Literacy

2ND SEMESTER
- Web Design
- Client-Specific Relational Databases
- Server-Specific Relational Databases
- Object-Oriented Design
- College Math
- Elective Professional Course I

3RD SEMESTER
- Systems Analysis and Design
- Career Development Seminar
- English Composition I
- Arts and Sciences Elective
- Elective Professional Course II
- Elective Professional Course III

4TH SEMESTER
- Advanced Math for Computer Programmers
- English Composition II
- Elective Professional Course IV
- Elective Professional Course V
- Programming Externship

Elective Professional Courses
(Any Five Courses from the following):
- Object Oriented Languages with Visual Basic
- Unix Operating System and Shell Programming
- Database Management Systems
- ASP .NET Applications Development
- Concepts of Computer Graphics
- Introduction to Web Publishing
- 3-D Design Applications
- Advanced Web Publishing
- Automated Office Administration

Web Development Focus
Graphic Design Focus

OCCUPATIONS: Computer Programmer; System Analyst; Programmer-Analyst; Web Developer; Desktop Publisher; Graphic Designer; Visual Image Developer; Layout Artist
ASSOCIATE OF OCCUPATIONAL STUDIES (AOS) DEGREE PROGRAMS:
- Computer Programming and Information Technology
- Network Administration and Security

CERTIFICATE PROGRAMS:
- Computer Support Specialist
- Internet Client-Server Application Development
- PC Client-Server Programming

PARTIAL LIST OF INTERNSHIP SITES:
- ABC Computer Services, Inc.
- Asterix Consulting, Inc.
- Brooklyn Community Housing
- Burgess Group
- Castle Company
- Career Academy of New York
- Compu Smart Services Corp.
- Computerlinks
- Davis & Gilbert LLP
- EGT Network
- Gouverneur Healthcare Services
- Highbridge Internet Café
- New Computech, Inc.
- MIROTECH
- MoxNet, Inc.
- Moya Solutions Inc
- PC Solutions
- PSC Community Services, Inc.

PLACEMENT STATISTICS

<table>
<thead>
<tr>
<th>Division of Computer Technology</th>
<th>Graduation Date - Placement Rate(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Programming &amp; Info. Tech., Associate of Occupational Studies Degree Program</td>
<td>May-11 49%</td>
</tr>
<tr>
<td>Network Administration and Security, Associate of Occupational Studies Degree Program</td>
<td>May-11 61%</td>
</tr>
<tr>
<td>Computer Support Specialist, Certificate Program</td>
<td>May-11 50%</td>
</tr>
</tbody>
</table>

As reported by ASA’s Career Services Department: September 2011.