# Network Administration and Security

(HEGIS 5104) see College Catalog

ASSOCIATE OF OCCUPATIONAL STUDIES DEGREE; 61 Semester Credits Required for Graduation

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### 1st Semester
- Fundamentals of Computer Technology
- Computer Architecture
- Telecommunications Concepts
- Programming Languages Concepts
- Freshman Skills Seminar
- Information Literacy

### 2nd Semester
- Client-Specific Relational Databases
- PC Hardware & Operating Systems
- Microsoft Windows Client Technology
- English Composition I
- College Math

### 3rd Semester
- Systems Analysis and Design
- Implementing Network Security I
- Microsoft Windows Server Technology
- Career Development Seminar
- Elective Professional Course I
- Elective Professional Course II

### 4th Semester
- Arts and Sciences Elective
- English Composition II
- Elective Professional Course III
- Elective Professional Course IV
- Network Administration Externship

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### Elective Professional Courses
(Any Four Courses from the following):

<table>
<thead>
<tr>
<th>Cisco Focus</th>
<th>Security Focus</th>
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<tbody>
<tr>
<td><strong>Server-Specific Relational Databases</strong></td>
<td></td>
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<tr>
<td><strong>UNIX Operating System and Shell Programming</strong></td>
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<tr>
<td><strong>Microsoft Windows Technologies</strong></td>
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<tr>
<td><strong>Implementing Directory Services</strong></td>
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<tr>
<td><strong>Management of Cisco Networking Environments</strong></td>
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<tr>
<td><strong>Web Design</strong></td>
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<tr>
<td><strong>Introduction to Wireless Networking</strong></td>
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<td><strong>Management of Complex Networking Environments</strong></td>
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<tr>
<td><strong>Implementing Network Security II</strong></td>
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</tbody>
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**Occupations:** Computer Support Specialist; Computer Systems Administrator; Desktop Support Technician; Network Security Specialist; Network/Server Administrator; PC Technician; Systems/Network Administrator; Technical Support Specialist
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

For required program disclosure information, please visit our website at www.asa.edu/disclosure.asp

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 Cafe
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>
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</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.