Computer Networking & Information Technology @ CCSF
An Introduction
Come Be A Part Of Our Network
50 Phelan Avenue, Science Hall room 147, (415) 452-5323, cnit@ccsf.edu

2,100+ students/yr
21 faculty

CISCO
Networking Academy

IT Academy Program

JUNIPER NETWORKS

CompTIA

CNIT Student

CNIT Alumni

CalWomenTech
Student Paths

- **Academic Certificate**
  - (12 to choose from)

- **Industry Certification**
  - (CompTIA, Cisco, Microsoft, and others)

- **Individual Courses of Interest**
  - (66 courses → ½+ available online or in blended formats)

- **Transfer to a 4-year College**
  - (receive transfer credit on select courses)

- **A.S. Degree**
  - (6 concentrations)
A.S. degree in C.N.I.T.
6 possible concentrations

4 CNIT core classes (12 units)
1) Computer Hardware – 103
2) Networking – 106/201E
3) Security – 120
4) Internet Basics & HTML – 131

(1) Computer Technical Support
(2) Internet & Web Development Techniques
(3) Network Security
(4) Wireless Networks
(5) Cisco Networking
(6) Microsoft Windows

Note: 60 total units from
• General ed
• Electives
• Major (21-22 units)
1. **Fundamentals of Technical Support**  
   — Introductory problem solving of applications, hardware, and operating systems

2. **Computer Technician**  
   — Identifying, installing & configuring operating systems & hardware for improved performance

3. **Computer Technical Support**  
   — Of a typical workplace environment: Hardware, Software & OS

4. **Fundamentals of Networking**  
   — Basic knowledge and skills for local & wide area networks & the Internet

5. **Windows Networking**  
   — Preparation for entry-level network manager & tech support positions

6. **Wireless Networking**  
   — Installation & configuration of secure wireless network devices

7. **Network Security**  
   — Detection & protection, reducing vulnerabilities & defending systems

8. **Routing & Switching (Cisco)**  
   — LAN/WAN training for CCNA, Network+ & network administrator positions

9. **Web Site Development Techniques**  
   — Creation & operation of interactive web sites

10. **E-Commerce Systems Development**  
    — Skills to design, develop & support commercial Internet sites & databases

11. **LAMP Fundamentals**  
    — Skills to work in an open source environment with Linux and Apache servers, MySQL, and PHP/Perl

12. **LAMP Administration**  
    — Administer a Linux server, configure an Apache web server, install a MySQL Database, and use PHP/Perl
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<thead>
<tr>
<th>Vendor</th>
<th>Certification</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>Microsoft</strong></td>
<td><strong>MCTS</strong></td>
<td>Microsoft Certified Technology Specialist</td>
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<tr>
<td></td>
<td><strong>MCITP</strong></td>
<td>Microsoft Certified Information Technology Professional</td>
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<tr>
<td><strong>Cisco</strong></td>
<td><strong>CCENT</strong></td>
<td>Cisco Certified Entry Networking Technician</td>
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<td><strong>CCNA</strong></td>
<td>Cisco Certified Network Associate</td>
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<tr>
<td><strong>Juniper</strong></td>
<td><strong>JNCIA-Junos</strong></td>
<td>Juniper Networks Certified Internet Associate-Junos</td>
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<tr>
<td>Vendor neutral</td>
<td><strong>A+</strong></td>
<td>Certifies entry-level computer service technician competency</td>
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<tr>
<td></td>
<td><strong>Network+</strong></td>
<td>Certifies basic understanding of networking</td>
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<tr>
<td></td>
<td><strong>Security+</strong></td>
<td>Certifies basic understanding of network &amp; system security</td>
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<tr>
<td>Vendor neutral</td>
<td><strong>CISSP</strong></td>
<td>Certified Information Systems Security Professional</td>
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<td></td>
<td><strong>CEH</strong></td>
<td>Certified Ethical Hacker certification</td>
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<td></td>
<td><strong>IPv6</strong></td>
<td>Certified IPv6 knowledge by Hurricane Electric</td>
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For More Information

- [www.ccsf.edu/cnit](http://www.ccsf.edu/cnit)
  - Degree & Certificates
  - Industry Certifications
  - Course Descriptions
  - Information for Students
  - Faculty & Staff
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