

# Cisco Networking Academy Program

## Sponsored Curriculum Offerings

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| Title                 | Fundamentals of Java Programming Language   | Fundamentals of UNIX  | Fundamentals of Voice and Data Cabling Course  | Fundamentals of Web Design  | IT Essentials I: PC Hardware and Software   | IT Essentials II: Network Operating Systems  |
|-----------------------|---|---|--|---|---|--|
| Sponsor               | Sun Microsystems  | Sun Microsystems  | Panduit  | Adobe Systems Inc.  | Hewlett-Packard Company   | Hewlett-Packard Company  |
| Overview              | Introduction to Java programming teaches students how to use the Java language's object-oriented technologies to solve business problems. | Prepares students to perform basic entry level UNIX operator skills and UNIX operating system commands. Maps closely to first course in Sun's Academic Initiative Solaris learning path. This course will help prepare students for the Sun Sys Admin I course. | For students interested in the physical aspects of voice and data network cabling and installation. Focuses on cabling issues related to data and voice connections and provides an understanding of the industry and its world-wide standards, types of media and cabling, physical and logical networks, as well as signal transmission. | Focuses on the overall production processes surrounding web site design with particular emphasis on design elements involving layout, navigation and interactivity. | Introduces students to information technology and data communications. Students will develop the necessary skills to enter this field by building a computer, installing the operating system, adding peripherals, connecting the computer to a local area network and to the Internet. | Intensive introduction to multi-user, multi-tasking networking operating systems. Overviews the characteristics of Linux and Windows NT, 2000, and XP operating systems. Students will learn about installation procedures, security issues, back-up procedures, and remote access. An excellent pre-cursor to CCNA. |
| Prepares Students for | <ul style="list-style-type: none"> <li>• <b>Sun Certified Programmer for Java 2 Platform</b> certification exam</li> </ul>                | <ul style="list-style-type: none"> <li>• UNIX version 1.2 (8/02) combined with IT II version 2.0 (1/03) will help prepare students for the <b>CompTIA Linux+</b> certification exam.</li> </ul>   | <ul style="list-style-type: none"> <li>• <b>BICSI Registered Installer, Level 1</b></li> </ul>   | <ul style="list-style-type: none"> <li>• <b>Web Design Apprentice (CWDSA)</b> certification sponsored by the World Organization of Webmasters (WOW)</li> </ul>      | <ul style="list-style-type: none"> <li>• <b>CompTIA A+</b> certification exam</li> </ul>  | <ul style="list-style-type: none"> <li>• IT II version 2.0 (available 1/03) combines with IT Essentials I version 2.0 (1/03) to help prepare students for the <b>CompTIA Server+</b> certification exam.</li> </ul>  |
| Course Length         | 70 hours minimum*<br>* Some schools may prefer to tech this course over one year.   | 70 hours minimum  | 70 hours minimum   | 70 hours minimum*   | 70 hours minimum*   | 70 hours minimum*  |

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| Title              | Java  | UNIX  | Cabling  | Web Design   | IT Essentials I and II  |
|--------------------|---|---|--|--|---|
| Computer Equipment | <p>Same as the minimum requirements for the current configuration of the CCNA lab:</p> <ul style="list-style-type: none"> <li>Instructor has workstation running Windows 9X to view the curriculum.</li> <li>All students have individual access to a workstation running Windows 9X to view the curriculum, with a student-computer ratio of 1:1.</li> <li>Workstations are at least 64 MB Intel machines with Pentium processor; workstations are networked.</li> </ul> | <p><b>Economy Equipment Option</b></p> <ul style="list-style-type: none"> <li>Instructor has workstation running Sun OS and access to another workstation running Windows 9X to view the curriculum</li> <li>All students have access to a workstation running Windows 9X to view the curriculum with a student -computer ratio of 1:1.</li> <li>In addition to workstations for viewing the curriculum, the students will have access to a hands-on lab. We recommend using one of these three options: <ul style="list-style-type: none"> <li>A lab of workstations running Solaris 8 with a student-computer ratio of 2:1.</li> <li>Or, these Solaris 8 machines can be ½ of your workstations configured as dual boot machines running both Windows 9X and Solaris 8 (see compatibility below).</li> <li>Or, you may choose a to have separate access to a lab of Sun workstations running live Solaris 8 with a student-computer ratio of 2:1.</li> </ul> </li> <li>Workstations are 64 MB Intel machines with Pentium processor and are networked.</li> </ul> | <p>Same as the minimum requirements for the current configuration of the CCNA lab:</p> <ul style="list-style-type: none"> <li>Instructor has workstation running Windows 9X to view the curriculum.</li> <li>All students have individual access to a workstation running Windows 9X to view the curriculum, with a student to computer ratio of 1:1.</li> <li>Workstations are at least 64 MB Intel machines with Pentium processor; workstations are networked.</li> </ul> | <p>Both platforms</p> <ul style="list-style-type: none"> <li>64 MB of RAM to run one application at a time, 128MB of RAM to run, at most, two applications concurrently.</li> <li>Color Monitor with 256-color (8-bit) or greater video card.</li> <li>800x600 or greater monitor resolution.</li> <li>CD-ROM drive.</li> </ul> <p>PC-specific</p> <ul style="list-style-type: none"> <li>Windows 98, NT 4.0 (SP6) or 2000.</li> <li>300Mhz processor or higher.</li> <li>500MB of available hard-disk space for all applications.</li> </ul> <p>Mac-specific</p> <ul style="list-style-type: none"> <li>PowerPC®-based Macintosh® computer.</li> <li>Mac OS software version 9.0.4.</li> <li>500MB of available hard-disk space.</li> <li>500MB of available hard-disk space for all applications.</li> </ul> | <p>Your Academy will need two different sets of computer equipment: one for viewing curriculum and the other for hands-on labs.</p> <p>Minimum Requirements for Viewing the Curriculum (same as the minimum requirements for the current configuration of the CCNA lab)</p> <ul style="list-style-type: none"> <li>Instructor has workstation running Windows 9X to view the curriculum.</li> <li>All students have individual access to a workstation running Windows 9X to view the curriculum, with a student-computer ratio of 1:1.</li> <li>Workstations are at least 64 MB Intel machines with Pentium processor; workstations are networked.</li> </ul> <p>Minimum Requirements for Hands-On Labs</p> <ul style="list-style-type: none"> <li>It is recommended that all equipment, whether new or used, be from the same vendor to allow for a better student and instructor experience.</li> <li>Student-computer ratio for the labs is 2:1.</li> </ul> <p><b>IT Essentials I</b></p> <p>(1) Printer (networked) for every 5 students<br/> (12) Computer System ATX 300W Mini Tower</p> <ul style="list-style-type: none"> <li>ATX 300W Mini Tower</li> <li>Newer Intel or AMD Processor</li> <li>Thermal Grease</li> <li>128Mb, SDRAM</li> <li>Floppy Drive</li> <li>Hard Drive</li> <li>CD-ROM</li> <li>Modem</li> <li>NIC, 10/100 PCI</li> <li>Motherboard</li> <li>Ball Bearing Fan &amp; Heat Sink</li> <li>Video Card</li> <li>Sound Card</li> <li>Ribbon Cables</li> <li>Mouse</li> <li>Keyboard</li> <li>Monitor</li> </ul> <p><b>IT Essentials II</b> (in addition to the equipment above)</p> <ul style="list-style-type: none"> <li>Server (we recommend HP tc2100 PIII-1.13)</li> <li>Printer (we recommend HP LaserJet 2200n)</li> </ul> |

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|---------------------------|--|---|--|--|--|
| Software / Materials      | <ul style="list-style-type: none"> <li>• Java 2 Platform Standard Edition and the Java 2 Platform Standard Edition Documentation.</li> <li>• BlueJ Java Development Tool. BlueJ is an integrated Java environment specifically designed for the teaching of java programming.</li> </ul> | <ul style="list-style-type: none"> <li>• INTEL/Solaris 8 (Intel Platform)</li> </ul>  | <p><b>Required</b></p> <ul style="list-style-type: none"> <li>• Core Kit: copper components, racks and ladder rack, cable management, cabling tools</li> <li>• Core Test Kit : 620 LAN Cablemeter, 2 NetBlink kits, 110 Multimeter, 620 LAN Cablemeter</li> <li>• Core Consumables: copper jack/plugs and cable, raceway, cable ties, labels</li> </ul> <p><b>Optional</b></p> <ul style="list-style-type: none"> <li>• Fiber Kit: fiber termination kit, fiber enclosure, additional fiber tools</li> <li>• Fiber Consumables: fiber connectors, fiber optic cable, fiber optic patch cables</li> </ul> | <ul style="list-style-type: none"> <li>• Adobe GoLive 6.0*</li> <li>• Adobe Illustrator 10*</li> <li>• Adobe LiveMotion 2.0*</li> <li>• Adobe Photoshop 7*</li> <li>• Adobe Premiere 6.0*</li> </ul> <p>* Or current version; for Macintosh and Windows.</p> | <p><b>IT Essentials I:</b></p> <ul style="list-style-type: none"> <li>• (12) Microsoft® Windows® 98 2nd Edition</li> <li>• (12) Microsoft® Windows® 2000</li> <li>• (12) Linux OS (Red Hat 7.0 or higher)</li> <li>• (12) Computer Repair Tool Kit</li> <li>• Screwdrivers: # 2 Phillips, 1/8" flat head</li> <li>• Hex socket drivers: 1/4", 3/16"</li> <li>• Needle nose pliers</li> <li>• (12) Volt Meter</li> <li>• (12) ESD Mat with ground cord</li> <li>• (24) Misc: ESD wristband, safety glasses, lab supplies</li> </ul> <p><b>IT Essentials II:</b></p> <ul style="list-style-type: none"> <li>• (12) Microsoft® Windows® 2000 Server*</li> <li>• (12) Linux OS (Red Hat 7.0 or Higher)</li> <li>• Optional: HP Openview - Node Manager</li> </ul> <p>* Many educational institutions already have site licenses for this network operating software.</p> |
| Software / Materials cost | <p>Downloads are available at no cost.</p> <ul style="list-style-type: none"> <li>• Java 2: <a href="http://java.sun.com/j2se/">http://java.sun.com/j2se/</a></li> <li>• BlueJ: <a href="http://www.bluej.org">http://www.bluej.org</a></li> </ul>                                       | <p>U.S. education pricing for the complete media pack is currently \$29.95* per school (reduced from \$75) \$29.95 offer is good through 6/30/02.</p> | <p><b>Required</b></p> <ul style="list-style-type: none"> <li>• Core Kit: \$4400</li> <li>• Core Consumables: \$1250</li> <li>• Core Test Kit: \$415</li> </ul> <p><b>Optional</b></p> <ul style="list-style-type: none"> <li>• Fiber Kit: \$2790</li> <li>• Fiber Consumables: \$975</li> </ul> <p>* Based on 16 students</p>   | <ul style="list-style-type: none"> <li>• \$1,850 for a 35-seat, non-concurrent license, one set of media and documentation and two-year maintenance (including upgrades) for each of the products.</li> </ul>  | <p>Academies which have offered A+ courses may already have some of the equipment listed above.</p> <p>Components may be purchased locally. Prices may vary across the country. See cost calculator for further detail.</p> <p>Red Hat Linux may be downloaded at no cost from <a href="http://download.com.com/3000-2035-7659758.html?legacy=cnet">http://download.com.com/3000-2035-7659758.html?legacy=cnet</a>.</p>  |

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|------------------------|---|---|---|---|---|---|
| Current Version        | Version 1.0   | Version 1.1<br>(1.2 releases 8/02)  | Version 1.0   | Version 1.2   | Version 1.0<br>(2.0 releases 1/03)  | Version 1.0<br>(2.0 releases 1/03)  |
| Support                | SC parent Academies provide ongoing support. Support includes but is not limited to mentoring main contacts and instructors, communication, data analysis on quality, continuing education and virtual visits. Annual support costs are based upon a cost-recovery model and may vary between SC parent Academies. A virtual helpdesk which provides curriculum, assessment and program support is available through the Cisco Networking Academy Management Site (CNAMS) 24 hours a day. |   |   |   |   |   |
| Instructor Training    | 8 days*   | 5 days*   | 5 days*   | 6 days*   | 5 days*   | 5 days*   |
|                        | * Orientation required for new Academy instructors (3 days or 24 hours remotely) is in addition to course training.<br>Costs for both orientation and course training are set by each RA-SC in accordance with their cost-recovery plan.  |   |   |   |   |   |
|                        | Registered Academy instructors and administrators as well as those with temporary limited access to the CNAMS may utilize the following planning materials for the sponsored curriculum offerings by going to the links below.  |   |   |   |   |   |
| Cost Calculator        | <a href="http://cisco.netacad.net/cnacs/prot-doc/cost_calculator_java.xls">http://cisco.netacad.net/cnacs/prot-doc/cost_calculator_java.xls</a>   | <a href="http://cisco.netacad.net/cnacs/prot-doc/cost_calculator_unix.xls">http://cisco.netacad.net/cnacs/prot-doc/cost_calculator_unix.xls</a> | <a href="http://cisco.netacad.net/cnacs/prot-doc/cost_calculator_cabling.xls">http://cisco.netacad.net/cnacs/prot-doc/cost_calculator_cabling.xls</a> | <a href="http://cisco.netacad.net/cnacs/prot-doc/cost_calculator_web.xls">http://cisco.netacad.net/cnacs/prot-doc/cost_calculator_web.xls</a>           | <a href="http://cisco.netacad.net/cnacs/prot-doc/cost_calculator_it.xls">http://cisco.netacad.net/cnacs/prot-doc/cost_calculator_it.xls</a>                   |   |
| FAQs                   | <a href="http://cisco.netacad.net/cnacs/prot-doc/break_news/jpl_faq.html">http://cisco.netacad.net/cnacs/prot-doc/break_news/jpl_faq.html</a>   | <a href="http://cisco.netacad.net/cnacs/prot-doc/break_news/unix_faq.html">http://cisco.netacad.net/cnacs/prot-doc/break_news/unix_faq.html</a> | <a href="http://cisco.netacad.net/cnacs/prot-doc/break_news/fvdc_faq.html">http://cisco.netacad.net/cnacs/prot-doc/break_news/fvdc_faq.html</a>       | <a href="http://cisco.netacad.net/cnacs/prot-doc/break_news/web_fund_faq.html">http://cisco.netacad.net/cnacs/prot-doc/break_news/web_fund_faq.html</a> | <a href="http://cisco.netacad.net/cnacs/prot-doc/break_news/itessential_faq.html">http://cisco.netacad.net/cnacs/prot-doc/break_news/itessential_faq.html</a> | <a href="http://cisco.netacad.net/cnacs/prot-doc/break_news/itessential_faq.html">http://cisco.netacad.net/cnacs/prot-doc/break_news/itessential_faq.html</a> |
| Additional Information | Course outlines and demos are available on Cisco's public web site. Go to <a href="http://www.cisco.com/warp/public/779/edu/academy/overview/curriculum/">http://www.cisco.com/warp/public/779/edu/academy/overview/curriculum/</a> , then select the curriculum of your choice.  |   |   |   |   |   |
| Questions              | You may contact your SC parent Academy or the Sponsored Curriculum team ( <a href="mailto:sponscurr@cisco.com">sponscurr@cisco.com</a> ) with questions related to SC offerings.  |   |   |   |   |   |