



CIS Cisco Certification Preparation Level I Certificate

Career and Technical Education Degrees and Certificates

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| #1 | <p>CIS Cisco Certification Preparation Level 1 Certificate Student Learning Outcome</p> <p>Demonstrate technical job-performance and workplace skills.</p> |
| | <p>Courses in the certificate plan that address this outcome</p> <p>ITCC 1401 - Cisco Exploration 1 - Network Fundamentals</p> <p>A course introducing the architecture, structure, functions, components, and models of the Internet. Describes the use of OSI and TCP layered models to examine the nature and roles of protocols and services at the applications, network, data link, and physical layers. Covers the principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations. Build simple LAN topologies by applying basic principles of cabling; perform basic configurations of network devices, including routers and switches; and implementing IP addressing schemes. Basic computer skills are required.</p> |
| | <p>Assessment Measure for this Outcome</p> <p>Concept and hands-on skill performance assessments will be used to appropriately assess the total set of knowledge, skills, and abilities of the students for ITCC1401.</p> |
| | <p>Achievement Target for this Measure</p> <p>70% of students will achieve a passing score on the concept- and hands-on skill performance final project for ITCC 1401 - Cisco Exploration 1 - Network Fundamentals course.</p> |
| | <p>Findings</p> <p>Fall 2010 69% of students achieved a passing score on the final project.</p> |
| | <p>Related Action Plans</p> <ul style="list-style-type: none">• Create rubrics to assess the hands-on skill performance assessments and test blue prints for the concept assessments in this course.• Offer an on-campus class to accommodate students unable to travel to remote site (Kelly ATC)• Expand seating capacity beyond current fourteen (15) to twenty (20) |
| #2 | <p>CIS Cisco Certification Preparation Level 1 Certificate Student Learning Outcome</p> <p>Demonstrate technical job-performance and workplace skills.</p> |



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| | <p>Courses in the certificate plan that address this outcome</p> <p>ITCC 2408 - Cisco Exploration 3 - LAN Switching and Wireless</p> <p>Identify and correct common network problems, and configure, verify, and troubleshoot wired- and wireless networks and switch configurations including VLANs, VLAN Trunking, Inter-VLAN routing, VTP, RSTP, and security.</p> |
| | <p>Assessment Measure for this Outcome</p> <p>Concept and hands-on skill performance assessments will be used to appropriately assess the total set of knowledge, skills, and abilities of the students for ITCC2408.</p> |
| | <p>Achievement Target for this Measure</p> <p>70% of students will achieve a passing score on the concept and hands-on skill performance final project for ITCC 2408 - Cisco Exploration 3 - LAN Switching and Wireless.</p> |
| | <p>Findings</p> <p>Fall 2010 100% of students achieved a passing score on the final project.</p> |
| | <p>Related Action Plans</p> <ul style="list-style-type: none">• Create rubrics to assess the hands-on skill performance assessments and test blue prints for the concept assessments in this course.• Offer an on-campus class to accommodate students unable to travel to remote site (Kelly ATC).• Expand seating capacity beyond current fourteen (15) to twenty (20). |
| #3 | <p>CIS Cisco Certification Preparation Level 1 Certificate Student Learning Outcome</p> <p>Demonstrate technical job-performance and workplace skills.</p> |
| | <p>Courses in the certificate plan that address this outcome</p> <p>ITCC 2410 - Cisco Exploration 4 - Accessing the WAN</p> <p>Configure and implement networks, to include basic WAN serial connection, PPP and Frame Relay, NAT, DHCP, DNS, VLANs, and router and switch security.</p> |
| | <p>Assessment Measure for this Outcome</p> |



ALAMO
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| | Concept and hands-on skill performance assessments will be used to appropriately assess the total set of knowledge, skills, and abilities of the students for OTCC2410. |
| | Achievement Target for this Measure 70% of students will achieve a passing score on the final project for ITCC 2410 - Cisco Exploration 4 - Accessing the WAN course of a C or better. |
| | Findings Fall 2010 71% of students achieved a passing score on the final project. |
| | Related Action Plans <ul style="list-style-type: none">• Create rubrics to assess the hands-on skill performance assessments and test blue prints for the concept assessments in this course.• Offer an on-campus class to accommodate students unable to travel to remote site (Kelly ATC).• Expand seating capacity beyond current fourteen (15) to twenty (20). |