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**CIS Information Technology Security level 1 Certificate (3503)**

Career and Technical Education Degrees and Certificates

#1	<p>CIS Information Technology Security level 1 Certificate Student Learning Outcome</p> <p>Demonstrate technical job-performance and workplace skills.</p>
	<p>Courses in the degree plan that address this outcome</p> <p>ITSC 1305 - Introduction to PC Operating Systems</p> <p>Introduction to personal computer operating systems including installation, configuration, file management, memory and storage management, control of peripheral devices, and use of utilities. Basic computer skills are required.</p>
	<p>Assessment Measure for this Outcome</p> <p>Concept and hands-on skill performance on final exam and all the lab assignments will be used to appropriately assess the total set of knowledge, skills, and abilities of the students for ITSC 1305.</p>
	<p>Achievement Target for this Measure</p> <p>70% of assessed students will achieve a passing score on final exam and all lab assignments for the ITSC 1305 - Introduction to PC Operating Systems.</p>
	<p>Findings</p> <p>Fall 2010</p> <p>84% of students achieved a passing score on the final exam.</p> <p>72% of students achieved a passing score on all the lab assignments.</p>
	<p>Related Action Plans</p> <ul style="list-style-type: none"><li>• Develop rubrics to assess the lab assignments.</li><li>• Develop a test blue print for the final.</li><li>• Early Alert and Gateway to College Alerts are strictly followed starting Spring 2009.</li><li>• Offer an on-campus class to accommodate the students whose learning styles do not respond well to on-line classes.</li></ul>
#2	<p>CIS Information Technology Security level 1 Certificate Student Learning Outcome</p> <p>Demonstrate technical job-performance and workplace skills.</p>



	<p>Courses in the degree plan that address this outcome</p> <p>ITSY 1300 - Fundamentals of Information Security</p> <p>Basic information security goals of availability, integrity, accuracy, and confidentiality. Vocabulary and terminology specific to the field of information security are discussed. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning and administrative controls is also discussed.</p>
	<p>Assessment Measure for this Outcome</p> <p>Concept and hands-on skill performance on the final exam and final project will be used to appropriately assess the total set of knowledge, skills, and abilities of the students for ITSY1300.</p>
	<p>Achievement Target for this Measure</p> <p>70% of assessed students will achieve a passing score on final exam and final project for the ITSY 1300 Information Technology Security course.</p>
	<p>Findings</p> <p>Fall 2010 74% of students achieved a passing score on the final project. 74% of students achieved a passing score on the final exam.</p>
	<p>Related Action Plans</p> <ul style="list-style-type: none"><li>• Develop rubrics to assess the lab assignments</li><li>• Develop a test blue print for the final</li><li>• Early Alert and Gateway to College Alerts are strictly followed starting Spring 2009</li><li>• Offer an on-campus class to accommodate the students whose learning styles do not respond well to on-line classes.</li></ul>
#3	<p>CIS Information Technology Security 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</p>



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	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>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 assessed students will have a passing score on the concept- and hands-on skill performance final project in 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"><li>• Create rubrics to assess the hands-on skill performance assessments and test blue prints for the concept assessments in this course.</li><li>• Offer an on-campus class to accommodate students unable to travel to remote site (Kelly ATC)</li><li>• Expand seating capacity beyond current fourteen (15) to twenty (20)</li></ul>