

NTID
Applied Computer Technology Outcomes Assessment
Plan and Report for AY 2005-2006*

Program Goal: Provide students with job entry skills to acquire a variety of positions in the computer field as PC Support technicians, Network/Network Security technicians or Web Development technicians.

Critical Outcomes for all Students		Assessment of Outcomes		Timeline		Results	
Domain/Task/ Capability	Performance Criteria/ Benchmarks	Instrument/ Opportunity	Assessment of Performance	Develop	Collect	Summarization of Results	Use of Results
1. PC Tech Support (General Technical)	<p>a. <i>Building, Configuring and Maintaining a PC</i>: students will be able to correctly diagnose faults, remove faulty items, install items, and restore to working condition a personal computer.</p> <p>b. <i>Managing and Maintaining an Operating System</i>: students will be able to install, configure, diagnose and maintain operating systems, drivers and application software.</p>	<p>a. To be assessed through hands-on exam at the end of the 0805-217 PC Hardware II course.</p> <p>b. To be assessed through hands-on exam at the end of the 0805-215 PC Operating Systems course.</p>	<p>a. Given a PC with at least 3 random faults, (80% of) all students will be able to perform at a level of 2 or 3 in every measureable category.</p> <p>b. Given the written description of the required configuration of an operating system with its directories and file structures, (80% of) all students will be able to correctly perform a variety of functions including OS installation and configuration, application program installation and management,</p>	<p>a. 20051 and 20052</p> <p>b. 20052 and 20053</p>	<p>a. At the end of each quarter the 0805-217 course is offered starting in 20052.</p> <p>B. At the end of each quarter the 0805-215 course is offered starting in 20053.</p>		

			creation and management of directories and file structures, partitioning and preparation of storage media.				
2. Networking (General Technical)	a. <i>Client Server Network:</i> Students will be able to connect, configure, administer, secure and troubleshoot a multi-platform client-server network that supports file and print sharing.	a. To occur through a hands-on exam at the end of 0805-226 Client/Server Networks.	a. Given the resources and functional/performance specifications, (80% of) all students will be able to connect, configure, manage, secure and troubleshoot a small intranet client/server network.	a. Fall 20051	a. Each quarter the 0805-226 course is offered starting in 20053		
3. Web Development (General Technical)	a. <i>Web page Development:</i> Students will be able to create a multi-page Website using X(HTML) that contains text formatting, graphics, links, forms, tables and style sheets.	a. To occur through a hands-on exam at the end of the 0805-252 Web Development course.	a. Given a written specifications of what students are to develop, (80% of) all students will be able to create a Web site with given criteria using X(HTML).	a. Fall 20051	a. Each quarter the 0805-252 course is offered starting in 20051		Results collected in 20051 were used as a pilot to test the criteria given to student to see if those were appropriate. As a result of the results, minor adjustments were made in our measures.
Program Concentrations: Additional Technical Outcomes							
PC Tech Support (Technical)	a. <i>Tech Support :</i> Students will	a. To occur through a hands-on	a. Given a multiplatform simulated	a. Winter 20052	a. Each quarter the 0805-		

	be able to support a multi-platform PC business environment including peripherals.	final project at the end of 0805-337 Server Management and Security or 0805-350 Computer Interfacing	business environment, 85% of the students will be able to demonstrate that they can support the repair and maintenance of all computers and computer related peripherals.	& Spring 20053	337 and 0805-350 courses are offered after Spring 20053		
Networking and Cyber Security (Technical)	<p>a. <i>Networking:</i> Students will be able to install, configure, administer and troubleshoot a small LAN/WAN environment including servers.</p> <p>b. <i>CyberSecurity:</i> Students will be able to secure a LAN/WAN environment.</p>	<p>a. To occur through a hands-on final project at the end of the 0805-337 Server Management and Security course.</p> <p>b. To occur through a hands-on final project at the end of the 0805-338 Firewall and IDS course.</p>	<p>a-b. Given a LAN/WAN environment, 85% of the students will be able to demonstrate they can install, configure, administer, secure and troubleshoot the network.</p>	<p>a-b. Winter 20052 & Spring 20053</p>	<p>a-b. Each quarter the 0805-337 and 0805-338 courses are offered after Spring 20053</p>		
Web Development and Database (Technical)	<p>a. <i>Web Development:</i> Students will be able to develop a web page and load it from a client onto a server.</p> <p>b. <i>Database:</i> Students will be able to develop a simple database and link it to a web page.</p>	<p>a. To occur through a hands-on final at the end of the 0805-323 Advanced Web Development course.</p> <p>b. To occur through a hands-on final at the end of the 0805-321 Database Integration course.</p>	<p>a. Given specifications for a webpage 85% of the students will be able to develop the webpage to correct specifications and load it to a server.</p> <p>b. Given the specifications for the database to be linked to the webpage, 85% of the</p>	<p>a-b. Winter 20052 & Spring 20053</p>	<p>a-b. a. Each quarter the 0805-323 and 0805-321 courses are offered after Spring 20053</p>		

			students will be able to create the database and link it correctly.				
Other:							
Student Satisfaction	Graduating students will indicate overall satisfaction with program and courses.	Student Satisfaction Survey	80% of students will indicate they are "very satisfied" or "satisfied" on 2 survey questions: one related to overall program satisfaction and one related to satisfaction with courses.	2005-2006	2006-2007		
Job Placement	Graduates will be employed in the field.	NCE Placement Data	90% graduates will be employed in the field.		Annually		
Co-op Work Experience	Students will demonstrate technical competency on co-op job.	Co-operative Supervisor Evaluation	80% students will achieve a score of 3 or above (5-point scale) on overall student job performance statement on Co-op Supervisor Evaluation.		Annually, beginning AY 2006-07		
Comments:							
*The curriculum was modified during AY 2004-05 and the Outcomes Assessment Plan was revised accordingly and is reflected here. Data will be collected and reported for students who enter the modified program beginning AY 2005-06.							
/ssl Rev: 02/16/2006							