

PLANNING/OUTCOMES DOCUMENT

Name of person(s) completing form:	Joe Roman	Curriculum/Department:	Networking Technology
Purpose/Mission Statement:		Vision Statement: (3-5 years)	
<p>The mission of the Networking Technology program is to produce competent, qualified networking professionals who are ready to join the workforce and begin a successful career as network administrators.</p>		<p>To achieve a first class training program with state of the art facilities, which annually produces ten or more students who have not only met all statewide requirements for a degree in Networking Technology but are prepared to achieve national certification by various information technology programs, such as Cisco, Microsoft, and CompTIA.</p>	
Program Strengths:		Program Weaknesses:	
<p>One of the greatest strengths of the Networking program is its dedicated classroom that provides students the opportunity to work in a networking environment that can be left incomplete on a daily basis. An additional strength of the program is the faculty that teaches in this area, both within the program and ancillary to the program. The total number of faculty, which serves the program, is closer to six rather than just the two directly associated with the program. Most of these faculty members have numerous IT certifications and/or practical work experience.</p>		<p>An external factor that has significantly impeded growth of this program is the loss of jobs in the Information Technology area since the year 2000. The so-called "Dot Com" crash reduced the number of new jobs created in IT. Unfortunately there is little indication that economic conditions have improved such that there will be growth soon in both the IT industry and a corresponding increase in the program itself.</p>	
Program Opportunities:		Program Threats:	
<p>A new opportunity may exist in offering the Cisco Networking Academy Curriculum as a "blended distance learning" or hybrid class. This approach is new to the Cisco program and the result of improvements in equipment simulation programs.</p> <p>Also a Home Technology Integration (HTI) class is still a possibility. This includes the installation of home networking and entertainment systems and the integration of technology with the principal environmental systems of a house such as telecommunications, home security, HVAC, cable/satellite/broadband, and structured wiring.</p>		<p>The principal threats to the program are economic. Fortunately networking is one of the strongest areas for continued growth and job stability amongst the various IT fields. In many ways it is the foundation on which the other fields rely. Neighboring community colleges are either too distant or simply do not offer competing programs to be threats at this time. A nearby university offers a related but at this point complimentary program for advanced study.</p>	

Goal #	Values for Teaching	College Goals	2009-2009 Department Outcomes/Goals	Success Criteria (e.g. outcomes, enrollment increases)	Plan of Action (including resources needed)
1	3 4 6	1	Graduates will be employed within the field of networking or other information technology related areas.	Employment statistics as provided by Institutional Research and Planning Office should indicate 80% employment in field of Information Technology.	<ul style="list-style-type: none"> • Monitor results of survey of graduates as conducted as part of the annual program review. • Help students identify employment opportunities. • Encourage their resume preparation, and prepare them for interview process by classroom and individual contact.
2	1 2 6	1	Graduates should be satisfied with the skills they obtain in this program.	Achieve 80% satisfaction rate per surveys.	<ul style="list-style-type: none"> • Monitor survey results as part of the annual program review.
3	5 7 9	3	Maintain facilities and equipment to support a creative learning environment and reflect current industry standards.	Achieve 90% satisfaction level amongst graduates with the equipment and facilities of the Networking Technology program.	<ul style="list-style-type: none"> • Identify materials and equipment needed and budget accordingly. • Secure classroom resources as part of the budgeting process adequate to the needs of the students for learning the latest technologies.
4	1 2 5 6	1	Students will demonstrate the ability to design, install and test structured cabling systems.	All students will successfully cut, strip, install plugs and jacks and test their work or repeat the labs until they can successfully do so. The only exceptions being certain students with physical limitations.	<ul style="list-style-type: none"> • Provide a learning environment where students will: <ul style="list-style-type: none"> • Participate in cable labs in either NET 110 or NET 125. • Participate in laboratory exercises using industry standard cabling equipment to cut, strip, and crimp CAT5 cable. • Test their cables with various

					<p>testing equipment such as multimeters and Fluke network equipment.</p> <ul style="list-style-type: none"> • Monitor results of student performance.
5	1 2 5 6	1	<p>Students will demonstrate the ability to install network operating systems such as Windows and Linux.</p>	<p>All students will install and test client and server operating systems in the following classes: NOS 110, NOS 120, NOS 220, NOS 130, and NOS 230.</p>	<ul style="list-style-type: none"> • Provide a learning environment where students will: <ul style="list-style-type: none"> • Be assigned computers on which to install both client and server operating systems for Windows and Linux platforms. • Successfully network their computers with other computers in the classroom. • Successfully connect to the internet thru switches and routers. • Monitor results of student performance.
6	1 2 5 6	1	<p>Students will demonstrate the ability to configure switches and routers.</p>	<p>All students will configure switches and routers in the following classes: NET 126, NET 225, and NET 226.</p>	<ul style="list-style-type: none"> • Provide a learning environment where students will: <ul style="list-style-type: none"> • Participate in laboratory exercises using switches from various vendors to create and troubleshoot local area networks. • Participate in laboratory exercises using Cisco routers to create and troubleshoot local and wide area networks. • Monitor results of student performance.

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Goal	Criteria Results Be sure to utilize most current data available	End of Year Analysis (Goals achieved impact of equipment purchased, improvements to your program, contingencies, etc.) Describe how you used the results to improve your program
1.		
2.		
3.		
4.		
5.		
6.		