

PLANNING/OUTCOMES DOCUMENT

Name of person(s) completing form:	Michael Deaver Ron Poor	Curriculum/Department:	Computer Engineering Technology
Purpose/Mission Statement:		Vision Statement: (3-5 years)	
<p>The Computer Engineering Technology curriculum provides the skills required to design, install, troubleshoot and maintain microprocessor based, computer controlled and networking equipment. Graduates qualify for skills required in Wide Area Networking, Process control/engineering in a manufacturing environment, Product Design, Robotics and automation.</p> <p>Graduates are also prepared for certification requirements in computer maintenance and network operating systems. Certified faculty provides instruction.</p>		<p>The Computer Engineering Technology students are learning the technical, applied and hands on skills for the next generation emerging video, voice, data communication and manufacturing technologies.</p> <p>Ours is a learning environment that allows students to experiment, make mistakes, learn, and have fun. We will cater for employer satisfaction by providing the skills required in the jobs of the 21st century.</p>	
Program Strengths:		Program Weaknesses:	
<p>Strong hands on approach to the learning process strengthens the students' understanding of the challenging subject areas. The Cisco networking curriculum is embedded in the program of study which gives our students an added advantage over similar majors at other institutions.</p>		<p>This is an equipment and supply intensive technical program, and is therefore costly to maintain. While it has received above average budget allocations(in comparison to other programs at the college), most of the funding must be spent for ongoing costs leaving little for expansion items in new and emerging technologies that would keep the graduates a step ahead of their peers.</p>	
Program Opportunities:		Program Threats:	
<p>The support of local business has allowed students to see the computer and networking world in action. In the past various companies have given us donations of old equipment, hopefully we will find another this year.</p>		<p>Lack of recruiting for the program. Even though the program numbers actually improved this semester, it is not what it has been or should be for Computer Engineering Technology.</p>	

Goal #	Values For Teaching	College Goals	2005-2006 Department Outcomes/Goals	Success Criteria (e.g. outcomes, enrollment increases)	Plan of Action (including resources needed)
1	6 9	1	Employers will be satisfied with the entry level skills of Computer Engineering program graduates	85% of employers surveyed will indicate they are satisfied with the entry-level skills of program graduates	<ul style="list-style-type: none"> • Monitor results of employer survey as conducted for the annual program review. Ascertain skills needed from advisory committee and other potential employers.
2	2 4 8	7 4	Majors in the program will demonstrate a satisfactory level of technical proficiency in Cisco training.	Final exam averages for local Cisco Academies will reflect a 15% increase in the average score of CET/EET test-takers at SCC.	<ul style="list-style-type: none"> • Monitor results of Cisco CCNA academy testing.
3	2 5 7 8	5 8 9	Obtain new and emerging technologies for the Computer Engineering curriculum, which will keep our graduates ahead of their peers.	Graduate survey results will indicate that 90% of graduates were satisfied with the technologies used in the program..	<ul style="list-style-type: none"> • Monitor results of graduate survey as conducted for the annual program review. Ascertain skills needed from advisory committee and other potential employers. • Research the Internet, and relevant magazines for new and emerging technology trends.
4	2 7 8	1 2 5 8	Increase the student standard certifications testing and passing rate by enabling well-prepared students to better access the certification process.	A 10% increase in certified graduates over previous years.	<ul style="list-style-type: none"> • Interface with business and industry, to obtain possible grants, sponsorships, supplies or equipment to help students reach their goals • Monitor results of graduate survey as conducted for the annual program review. Ascertain skills needed from advisory committee and other potential employers.

Budget Item Description: (Budget items requested from college funds)	Current Year Budget (Total Request):	Ongoing Operational Budget:	Expansion Budget:
Supplies- Integrated Circuits, circuit boards, electronic components, project boards, computer parts, Category 5 cable, RJ45 jacks, other networking components: to replace parts used, broken, or otherwise damaged in the course of a school year Lab computer hardware upgrades: additional RAM, larger hard drives, keyboards, optical mice, optical drives	~\$4,500	~\$4,500	
Equipment- 10 – New Dell workstations for the lab to replace existing Pentium 2 machines	~\$10,000	~\$10,000	
Travel-			
Program Accreditation- Certification training and testing	~\$500	~\$500	
Other- Operating system upgrades for the lab computers, a few other computer operating systems: to show the students differing versions of operating systems	~\$3,500	~\$3,500	
TOTALS	~\$18,500	~\$18,500	