PLANNING/OUTCOMES DOCUMENT

Name of person(s) completing form:	Peter Messier	**Curriculum/Department:**	Surveying Technology

Purpose/Mission Statement:	**Vision Statement: (3-5 years)**
To educate surveying technicians in the basic principles of Land Surveying, establish them in the techniques and procedures practiced by the Land Surveying profession, equip them to be productive surveying technicians upon graduation, and encourage them to pursue lifelong learning opportunities, higher degrees (if appropriate), and active participation in professional surveying associations. Above all, their experience in the Surveying Technology Program and SCC should inspire them to be productive and contributing professionals having concern for their fellow citizens and their community.	To be the Surveying Technology Program of choice in Western North Carolina and portions of Eastern Tennessee, up-to-date in it's teaching and equipment and expanding to meet the educational and technical needs of the land surveying, land information and land development communities in our earned market area.
Program Strengths:	**Program Weaknesses:**
The program has the encouragement and support of the surveying profession in North Carolina and of the SCC's administration. The curriculum is pertinent to today's practice of surveying. The program has qualified, experienced and enthusiastic faculty in major courses as well as support courses.	Although the program has a significant modern equipment in place, it lacks GPS and robotic technology that is currently in use in professional practice.
Program Opportunities:	**Program Threats:**
Due to economic development and growth in WNC the demand for surveyors is significant. Also, for this same reason, the demand for civil engineering technicians appears to exist as well. This provides the opportunity to expand the enrollment and offerings of the Surveying Technology Program and possibly add a Civil Engineering Technology Program. In addition, NCA&T University is establishing a 4 yr. Geomatics (Surveying) Program and has structured the curriculum to include many of the surveying courses available at NC Community Colleges and has a 2+2 option for those graduating from Surveying Technology Programs in the NCCCS.	Low entering enrollment poses a real threat to the long term viability of the program. Interest in surveying as a career is relatively low compared to other technical fields. Many students and potential students are unaware or have very little understanding of this career path and the opportunities it provides.

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	3 4 6 7 8	1 2 7	Retain current majors and recruit new majors in the Surveying Technology Program.	At least 80% of those identified as Surveying Technology majors in fall 2005 will continue studies through spring 2006. In addition, the number of new enrollees will equal to or be greater than 20% the current enrollment in program.	Monitor enrollment and admission of surveying majors. Provide effective advising and support to existing and new surveying students. Visit at least 4 high schools (trig or geometry classes) during the 2005-2006 academic year, seek out career fairs and display at appropriate conferences.
2	6 7	1 7	Determine the feasibility of offering a Civil Engineering Technology Program and a complement to Surveying Technology.	Have documented level of demand for a Civil Engineering Technology Program.	Conduct survey of regional firms, contractors and agencies relative need for Civil Engineering Technicians.
3	1 2 6 9	1	Majors in this program will demonstrate a satisfactory level of basic technical proficiency in this field.	90% of the students will demonstrate technical proficiency in this field by making a final grade of "C" or higher in the Surveying II and Surveying III courses taken during the 2005-2006 academic yr.	Continue to solicit feedback from the Advisory Committee regarding those skills that are most critical for technicians in the surveying field.
4	1 2 6 7	1 2	Students will be satisfied with the skills they are acquiring in this program. (Note: since program is an evening & weekend program in its third year since inception, no graduates are available yet to survey)	90% of students surveyed will indicate they are satisfied with the skills they are acquiring in this program.	Monitor the results of the survey of students as part of the annual program review process.
5	6 7	1 5 6	Employers will be satisfied with the entry-level skills of current students from this program who work for them.	95% of employers surveyed will indicate they are satisfied with the entry-level skills of students from this program.	Monitor results of the survey of employers as part of the annual program review process.

Budget Item Description: (Budget items requested from college funds)	Current Year Budget (Total Request):	Ongoing Operational Budget:	Expansion Budget:
Supplies - stakes, nails, flagging, marking paint, printer and plotter paper and ink cartridges.	$400	$400	
Equipment – 3 level rods, 1 prism pole w/bipod, 1 transit, 6 gammon reels, 1 power inverter, 1 recon grade GPS, 4 clinometers, 1 Suunto Tandem, 2 Dist-A-Lines, 1 laptop computer.	$6900	$6900	
Travel – local and regional surveyor meetings, NCSS Conv., TAPS Conv., VAS Conv., high school visits, misc. local travel on SCC business.	$2900	$2900	
Program Accreditation – Program not yet eligible to apply for accreditation - need first graduating class.	$0	$0	
Other – Leica Smart Station (a combined Real Time Kinematic GPS and Robotic Total Station).	$38520		$38520
TOTALS (includes 7% sales tax)	$48720	$10200	$38520