

**2007-2008 PLANNING/OUTCOMES DOCUMENT**

<b>Name of person(s) completing form:</b>	Peter Messier	<b>Curriculum/Department:</b>	Surveying Technology
<b>Purpose/Mission Statement:</b>		<b>Vision Statement: (3-5 years)</b>	
<p>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.</p>		<p>To be the Surveying Technology Program of choice in Western North Carolina, portions of Eastern Tennessee, and Northeast Georgia, 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.</p>	
<b>Program Strengths:</b>		<b>Program Weaknesses:</b>	
<p>The program has the encouragement and support of the surveying profession in North Carolina and of the SCC 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.</p>		<p>The program has significant modern equipment in place, it lacks only a very few minor equipment and software items to make it current in technology pertinent to land surveying practice in far Western North Carolina. Field scanning equipment would be needed to make the program state-of-the-art from a state-wide or national perspective.</p>	
<b>Program Opportunities:</b>		<b>Program Threats:</b>	
<p>Due to economic development and growth in WNC the demand for surveyors is significant. In addition, NCA&amp;T University has established 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.</p>		<p>Interest in surveying as a career is relatively low compared to other technical fields. Many potential students are unaware or have very little understanding of this career path and the opportunities it provides. If current recruitment and advertising efforts are not maintained, a drop off in enrollment could develop and pose a threat to the long term viability of the program.</p>	

Goal #	Values for Teaching	College Goals	2007-2008 Department Outcomes/Goals	Success Criteria (e.g. outcomes, enrollment increases)	Plan of Action (including resources needed)
1	3 4 6	1 2 7	Retain current majors and recruit new majors in the Surveying Technology Program.	At least 60% of those identified as Surveying Technology majors in fall 2007 will continue studies through spring 2008 taking into account those graduating in fall 2007. In addition, the number of new enrollees will be equal to or greater than 10% the current enrollment in program.	<ul style="list-style-type: none"> <li>• Monitor enrollment and admission of surveying majors.</li> <li>• Provide effective advising and support to existing and new surveying students.</li> <li>• Visit at least 4 high schools (trig or geometry classes) during the 2007-2008 academic year, seek out career fairs and display at appropriate conferences.</li> </ul>
2	1	1 2 5	Students will exhibit proficiency in standard field data measurement and collection systems	75% of the students to attain a grade of B or better in SRV110, SRV111 and SRV 240 as a result of their abilities to: <ul style="list-style-type: none"> <li>- set-up and operate a total station instrument</li> <li>- correctly observe horizontal and vertical data</li> <li>- collect data and record it in both manual and digital formats</li> </ul>	<ul style="list-style-type: none"> <li>• Provide lecture material, equipment, and class &amp; laboratory assignments that will equip and challenge at least 75% of the students to attain a grade of B or better in Surveying I, II, and Topo/Site Surveying.</li> <li>• Monitor the results of course grades for SRV 110, SRV 111, and SRV 240.</li> </ul>
3	1	1 2	Students will understand and know how to apply the Minimum Standards of Practice for Land Surveying mandated by NCAC 21-56.16 of the NC Board of Examiners for Engineers and Land Surveyors and in NCGS 47-30	75% of the students will receive a grade of B or better in SRV 210, SRV 220, and SRV 230 as a result of their abilities to: <ul style="list-style-type: none"> <li>- perform proper research for the definition of the boundaries of a parcel of land and to arrive at the correct limits of ownership</li> </ul>	<ul style="list-style-type: none"> <li>• Provide lecture material, software, and class &amp; laboratory assignments that will equip and challenge at least 75% of the students to attain a grade of B or better in Surveying III, Surv. Law, and Subdiv. Planning.</li> <li>• Monitor the results of course grades for SRV 210, SRV 220, and SRV 230.</li> </ul>

				<ul style="list-style-type: none"> <li>- perform traverse surveys and level circuits that meet the minimum closure requirements</li> <li>- prepare plats, maps, and descriptions that meet the minimum requirements.</li> </ul>	
4	1 2 6 7	1 2	Current students and graduates will be satisfied with the skills they are acquiring or have acquired in this program.	90% of students and graduates surveyed will indicate they are satisfied with the skills they are acquiring or have acquired in this program.	<ul style="list-style-type: none"> <li>• Monitor the results of the survey of students and graduates as part of the annual program review process.</li> </ul>
5	6 7	1 5 6	Employers will be satisfied with the entry-level skills of current students and graduates from this program who work for them.	85% of employers surveyed will indicate they are satisfied with the entry-level skills of students from this program.	<ul style="list-style-type: none"> <li>• Monitor results of the survey of employers as part of the annual program review process.</li> </ul>

<b>Budget Item Description: (Budget items requested from college funds)</b>	<b>Current Year Budget (Total Request):</b>	<b>Ongoing Operational Budget:</b>	<b>Expansion Budget:</b>
Supplies - stakes, nails, rebars, ink cartridges, water resistant paper, ID caps, and tick & insect repellent.	\$8,395	\$680	\$7,715
Equipment - Upgrade AutoCAD to Release 2008, GPS-VRS Upgrade, total station calibrations, astro observation equipment, precise level, plus miscellaneous smaller field and office equipment.	\$8,743	\$1,500	\$7,243
Travel - local and regional surveyor meetings, NCSS Conv., TAPS Conv., VAS Conv., high school visits, and misc. local travel on SCC business.	\$4,390	\$3,340	\$1,050
Program Accreditation - deciding whether or not to pursue, based on input from NCA&T and other NC Community Colleges who offer surveying.	\$0	\$0	\$0
Other/Expansion - pipe & cable locator, mirror stereoscope w/parallax bar, and half the cost of computer lab to be shared with CIV.	\$16,980	\$0	\$16,980
<b>TOTALS (includes 6.5% sales tax)</b>	<b>\$38,508</b>	<b>\$5,520</b>	<b>\$38,508</b>