

Directions: Complete columns A-D initially. Then, complete columns D&E at the end of the assessment cycle in the spring. Be brief in your descriptions and explanations. Focus on your top 4 to 5 outcomes only.

Department: Manufacturing and Engineering Division	Department Chair: Nancy Wilson
Degree Program: Drafting and Design Technology	Degree Type: Certificate and Associate Degree
Academic Year: 2006-2007	

Mission of Degree Program:

A. Student Learning Outcomes (4-5)	B. Assessment Methods	C. Expected Results (Targeted Objective)	D. Actual Results Obtained (Completed at the end of assessment cycle in the spring)	E. Use of Results (Complete at the end of assessment cycle in the spring)
Students completing the program must demonstrate: <i>Be brief with your descriptions.</i>	List what methods you plan on using to measure the outcome.	List what intended result you expect to see. Make it measurable.	<i>When you assessed and measured your outcome, what results did you find?</i>	<i>Now that you have your results, how do you intend to use these results to improve this degree program?</i>
1. Successful work in design and production teams	1. Demonstrations and team evaluations	1. 90% of all graduates will achieve a "B" or better on the team rubric.	1. 9 of 10 (90%) graduates achieved a "B" or better on the team rubric in DDT 236	1. No changes are required.
2. A working knowledge of all Computer Aided Drafting and Design (CADD) software applications	2. Demonstrations, written exams and practical lab observations	2. 90% of all graduates will achieve a "B" or better in all CAD classes.	2. 35 of 42 (83.3%) students in DDT 104 and DDT 127 achieved a "B" or better average overall.	2. The results were based on the DDT student completing the classes not on just graduates.
3. How to draw and interpret comprehensive blueprints in either mechanical or architectural drafting	3. Demonstrations and practical lab observations	3. 90% of all graduates will achieve a "B" or better on their top ten blueprint designs	3. 23 of 28 (82.14%) students in DDT 114 and DDT 116 achieved a "B" or better average overall.	3. The results were based on the DDT student completing the classes not on just graduates.
4. Apply engineering principles and controls to a personal design project	4. Final project in either mechanical or architectural drafting	4. 90% of all graduates will achieve a "B" or better on their final project in DDT 236.	4. 12 of 14 (85.7%) students in DDT 236 achieved a "B" or better average overall.	4. The results were based on the DDT student completing the classes not on just graduates.

Directions: Complete columns A-D initially. Then, complete columns D&E at the end of the assessment cycle in the spring. Be brief in your descriptions and explanations. Focus on your top 4 to 5 outcomes only.

Department: Manufacturing and Engineering Division	Department Chair: Nancy Wilson Principal Completer of Form: D. Perry
Degree Program: Geographical Information Systems (GIS)	Degree Type: Short Certificate C29
Academic Year: 2006-2007	

Mission of Degree Program:

A. Student Learning Outcomes (4-5)	B. Assessment Methods	C. Expected Results (Targeted Objective)	D. Actual Results Obtained (Complete at the end of assessment cycle in the spring)	E. Use of Results (Complete at the end of assessment cycle in the spring)
Students completing the program must demonstrate: <i>Be brief with your descriptions.</i>	List what methods you plan on using to measure the outcome.	List what intended result you expect to see. Make it measurable.	<i>When you assessed and measured your outcome, what results did you find?</i>	<i>Now that you have your results, how do you intend to use these results to improve this degree program?</i>
1. Knowledge or cartography, data acquisition techniques and methods of bas map development	1. Demonstration, written exams and practical lab observations	1. 85% of all graduates will attain a "B" or better in GIS 201	1. 5 of 5 (100%) students in GIS 201 achieved a "B" or better average overall.	1. Increase the number students in the program.
2. Knowledge of map projections, map scales, types of thematic maps and map accuracy	2. Demonstration, written exams and practical lab observations	2. 85% of all graduates will attain a "B" or better in GIS 202	2. 3 of 3 (100%) students in GIS 202 achieved a "B" or better average overall.	2. Increase the number students in the program.
3. Understanding of remote sensing, physics, data sources, visual images, image enhancement and filtering; geo-referencing; multi-spectral classification; data import and export; and GIS integration	3. Demonstration, written exams and practical lab observations	3. 85% of all graduates will attain a "B" or better in GIS 203	3. GIS 203 not offered during the year.	3. Increase the number students in the program.
4. How to use ArcObjects and System Query Language to design and/or modify GIS tools and commands, create new GIS tools, automate GIS operations, and integrate ArcGIS software with other software applications.	4. Demonstration, written exams and practical lab observations	4. 85% of all graduates will attain a "B" or better in GIS 204	4. 2 of 3 (67%) students in GIS 204 achieved a "B" or better average overall.	4. Increase the number students in the program. One student has large effect on percentage.