Degree Program Student Learning Outcomes 2006-2007 (Midterm)
Bennett College for Women

Division Name	Academic Year
Natural & Behavioral Sciences and Mathematics	2006-2007
Degree Program Name	Degree Level
Computer Science	B.S.

Mission of Degree Program

The mission of the Bachelor of Science Program in Computer Science at Bennett College for Women is to instill the student with essential facts, concepts, principles, theories, and applications relating to computer science. Graduates of the program understand not only the theoretical foundations of the discipline but also how that theory influences and is applied in practice. The program provides a foundation that allows the student to study at graduate level and/or to work in industry, maintaining their skills in the rapidly changing field.

Student Learning Outcomes	**Assessment Methods**	**Expected Results**	**Actual Results Fall 2006**	**Use of Results 2006-2007**
Graduates with the B.S. in Computer Science should demonstrate knowledge and understanding of essential facts, concepts, principles, and theories relating to computer science.	Grades of comprehensive Final Exam in each of the major core courses Score of the major field achievement test in computer science which all computer science majors are required to take in their senior year.	100 % of majors will take one or more major core courses by the end of heir sophomore year and 80% of them will complete the courses with C or higher. 100% of seniors will take this exam and we expect performance to be lower than the national average; however, with a revision of the curriculum which is in progress, and a full implementation of the new curriculum will enhance the score to the national average by 2008.	70% of majors took at least one core course and 80 % of them complete the courses with C or higher 100% of seniors took the exam. The results are not known yet.	With a newly hired faculty, more upper level major courses (CS304, cs405, cs430, cs303) could be offered and 80 % of majors took at least one core course. Plant to complete the curriculum revision in this academic year.

Student Learning Outcomes	Assessment Methods	Expected Results	Actual Results 2005-2006	Use of Results 2006-2007
Graduates should be able to use the knowledge and understanding obtained from the major courses and other cognate courses in problem analysis, solution design and implementation of the solution.	Grade of the capstone course CS442 Senior project.	100% of seniors take this capstone course and 90% of them will complete with C or higher for the final product that is graded by a rubric developed by computer science area faculty.	100 % of seniors took this capstone course and 100% of them complete with C or higher grade.	The course will be offered in spring 2007. The two graduating seniors pre-registered.
	Evaluation from supervisor/mentor of internship program(s) student participated	80% of majors will participate an internship program and 100% of them will receive an evaluation that is equivalent B or higher (good ~ excellent)	Only one student participate an internship program. No formal documented evaluation provided to school	Information about various existing internship opportunities were given by the department to the majors/minors and Dr. Lee seeks REU program through BPC Alliance program
	Grades of major projects in upper level courses	100% of juniors and seniors will take upper level courses that require major project and 80% of them will get B or higher	100% of juniors and seniors took upper level courses that require major project and 80% of them got B or higher.	CS430 special topics : database design was offered 100% of senior took the course and 100% of them got B or higher.

Student Learning Outcomes	Assessment Methods	Expected Results	Actual Results 2005-2006	Use of Results 2006-2007
Graduates must become proficient in at least one higher-level language.	Grades of programming projects given in CS206 Computer Programming II	100% of sophomores will take CS206 and 70% of them will complete their programming projects with C or higher	One student took cs206 and did not pass	CS206 was not offered.
	Grades of programming projects given in CS303 Data structures classes.	100% of juniors will take CS303 and 90% of them will complete their programming projects with C or higher Each programming projects given in CS206 and CS303 will be graded by a specially designed rubric for the project.	No juniors took the course. One senior took the course and complete the programming project with B	One senior took the course and complete the programming project with A
Graduates should be able to make concise presentations about technical problems and their solutions.	Grades of term papers and presentations given in each major course.	100% of majors will give at least one presentation in their major courses and 90% of them will receive B or higher	CS442 senior seminar required to submit project proposal and at least two presentations for the course.	CS430 special topics: database design required to submit project proposal. Two seniors completed the course with A
	Grade of Project proposal and presentation for the capstone course CS442	100% of graduating seniors will submit project proposal and 90% will receive B or higher	Two seniors completed the CS442 course with B or higher.	

Student Learning Outcomes	Assessment Methods	Expected Results	Actual Results 2005-2006	Use of Results 2006-2007
Graduates should be able to work effectively as a member of a software development team	Grades of team projects given in each major courses	100% of majors will participate one or more team projects in major courses and 100% of them will receive B or higher in team work. Student's performance in a team will be assessed by the faculty and peer students based on a rubric developed by the faculty and the students in the course.	Only CS 442 had team project and two students took the course and passed B or higher in the team work. The project was assessed by the cs /math faculty and peers using the rubric developed by the cs faculty and the students in the course together.	CS430 Special topics had a team project and two seniors took the course and both of them received B or higher in team work. The project was assessed by the faculty and students made rubric
	Documented evaluation from supervisor/mentor of internship program(s) student participated	80% of majors will participate an internship program and 100% of them will receive an evaluation that is equivalent B or higher (good ~ excellent)	One student participated in an internship program, however, no documented evaluation was provided.	No student participated in any internship program.