CPR Report Submitted!

Thank you for submitting a Comprehensive Program Review Report. Below is the information you sent on August 22, 2006. *Please note* this is a *temporary* web page and *cannot* be bookmarked. You may wish to print this page for your records. You will also receive confirmation via email.

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5	**Institution:**	Columbus State University
6	**Review Status:**	Non-triggered Review
7	**Degree level:**	Bachelors
8	**Degree acronym:**	BS
9	**Degree/Major:**	BS in Computer Science
10	**CIP Code:**	11010101
11	**College, School/Division:**	College of Science
12	**Department:**	TSYS Department of Computer Science
13	**CPR Plan followed:**	Yes
14	**Future institutional plans for program:**	Expand and enhance
15	**Supplemental file:**	CS BS Exec-Sum.doc
16	**File Type:**	MS Word
17	**CPR Web site:**	aa.colstate.edu/assess/cprtbl.htm

Columbus State University
TSYS Department of Computer Science
Bachelor of Science in Computer Science
Comprehensive Program Review
Executive Summary
November 2005

The **TSYS Department of Computer Science** offers a Master in Applied Computer Science degree program with concentrations in Software Development or Information Assurance; a Bachelor of Science degree program with concentrations in Computer Systems or Applied Computer Science; an Associate of Applied Science degree in Computer Science; a Minor in Computer Science; and a Certificate in Data Processing.

The **BS in Computer Science - Systems Track** provides the student with skills required to compete in today's computing environment and to be able to adapt to tomorrow. Much effort is expended ensuring that the program is viable and current, focusing on the newer technologies and emphasizing applications of current methods for the design and engineering of software systems.

The **BS in Computer Science - Applied Track** gives the student a rigorous education in computer science with particular attention and practice given to mainframe business applications. This program was initiated by a joint study agreement with the IBM Corporation, and was expanded by funding from the Intellectual Capital Partnership Program (ICAPP). It is particularly geared to the large system computing needs of the companies that dominate the local economy.

In conjunction with the Mission Statement of Columbus State University, the Department of Computer Science will serve the educational needs of students of the university in the area of computing and the specific educational needs of the businesses and industries in our community. Computing will continue to play a larger part in the educational experience of each student at Columbus State University, and the Department of Computer Science is committed to playing a leadership role in this process. The department will also maintain programs for its majors that are current, viable, and applicable to the computing technologies and the technologies of the present and future. And because we serve the community in which we live, we will maintain contact with the computing entities of our region, and strive to provide the educational opportunities needed to keep those entities viable for the future.

The Department of Computer Science is committed to:
- educating students to think critically and creatively in a technological environment
- fostering the highest ideals of ethics, especially pertaining to electronic interaction
- providing the strongest and most current instruction in the areas of computing and technology

- serving to meet the educational needs of the community and region in the areas of computing and technology through collaboration, vision, and foresight
- striving to help Columbus State University meet its commitment to foster its centers of excellence, especially in the areas of science, mathematics, and technology education and regional economic and community development.

Conclusions about the Program's Quality and Productivity
An analysis and interpretation of the Self-Study completed by the faculty of the TSYS Department of Computer Science for the 2005 – 2006 Columbus State University Comprehensive Program Review has led to the following conclusions.

The TSYS Department of Computer Science provides a high quality program to its students.
- ❖ Quality indicators categorized at the levels of *Very Strong or Above Average* include:
  - o quality of teaching,
  - o quality of the curriculum,
  - o quality of faculty,
  - o quality of facilities,
  - o quality of research and scholarship, and
  - o quality of service.
- ❖ Quality indicators categorized at the level of *Satisfactory* include:
  - o student selectivity, academic achievement, and satisfaction.
- ❖ No quality indicators were categorized at the level of *Below Average or Very Weak*.

Productivity in the Bachelor of Science in Computer Science is strong but can be improved.
- ❖ Productivity indicators categorized at the levels of *Very Strong or Above Average* include:
  - o enrollment of students in the program,
  - o annual degree production,
  - o efficiency & clarity of the program's course requirements.
  - o position of program's annual degree productivity among comparable USG Programs,
  - o program's responsiveness to state needs and employer demand for program graduates, and
  - o program's contribution to achieving CSU's Mission.
- ❖ Productivity indicators categorized at the levels of *Satisfactory* include:
  - o program completion efficiency and graduation rate,
  - o frequency and sequencing of course offerings required for program completion,
  - o enrollment in the program's required courses,
  - o diversity of program's majors and graduates, and
  - o cost effectiveness of instructional delivery in the program's department.

❖ No productivity indicators were categorized at the level of ***Below Average or Very Weak***.

List of Recommendations for Improving Program Quality
The quality of the Bachelor of Science in Computer Science is above average and quite strong in almost all areas. Efforts need to be made to improve the quality of students through recruitment and scholarship opportunities for exceptional students. The faculty need to continue enhance the quality of instruction. Changes scheduled for Fall 2006 are expected to significantly improve the quality of the B.S. program.

List of Recommendations for Improving Program Productivity
 Demand for the Bachelor of Science in Computer Science is still high although there is a perception that jobs are limited. Recruitment efforts need to be expanded, especially in areas that will attract more students from underrepresented groups.

Conclusion About the Program's Viability at CSU
The faculty of the TSYS Department of Computer Science has concluded that the Bachelor of Science in Computer Science is viable. Support of the program should be increased to better serve the needs of the community.

Summary Recommendation and Supporting Rationale
The Bachelor of Science in Computer Science should be expanded. Resources should be applied to increase the quality of the Bachelor of Science in Computer Science programs and to increase enrollments to meet the needs of industry. More efforts need to be made to recruit and retain better students in the program.