

**DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING
PROGRAM REVIEW
FEBRUARY 1, 2007**

PART III. REVIEW AND REFLECTION ON INSTITUTIONAL DATA

A. Each department or school should review the data (found at oir.memphis.edu under the “Program Review” tab) for:

1. Clarity and accuracy of the data from a departmental perspective;

The BSCP program planning data summary is listed twice at http://oir.memphis.edu/pgms/pgm_choose.html. The BSCP data under Electrical Engineering is incorrect and should be deleted, but the information under Computer Engineering appears OK.

2. Areas of department pride; and

Our number of BS graduates in computer engineering has steadily increased since the program’s inception except for AY 2005-2006. We more than doubled the number of our MS graduates from AY99-00.

3. Areas of department concern, i.e., decrease in enrollments, faculty productivity, graduation rates.

Overall undergraduate enrollment is an area of concern. Our enrollment appears to be concentrated in the freshman and senior years with very low numbers in the sophomore and junior years.

We have replaced a freshman EECE course for computer engineering majors with a COMP course which will lower our overall credit hour production but may increase the overall efficiency of both COMP and EECE resources.

Analysis of Academic Data and Trends
Appendix A

No.	Indicators of Success/Quality	Analysis/Comments
1	Degrees Granted During the Last Six Years (Graduates and Undergraduates)	BSCP degrees granted has steadily increased since the programs inception except for AY 2005-2006. Number of AY04-05 graduates for BSCP and BSEE combined is approximately the same as the BSEE total for the recent peak year AY01-02.
2	Profile of Departmental Instructional Activities	More TAs and adjuncts have been used to support faculty release time given the significant increase in externally supported research.
3	Research and Artistic Productivity, Publications	Calendar year 2006 was an all-time record for research awards. Previous research expenditures were historically around \$400K-500K per year. Our awards in 2005 increased to \$2.2M and \$2.8M in 2006.
4	Enrollments	Total EECE undergraduate enrollment is down approximately 20% as compared to high since AY00. PhD headcount is flat, but we have increased the overall quality and the number of US citizens in our graduate programs.
5	Average Time to Degree	Many of our undergraduates pursue study part time or do not enter the program ready for Calculus I in the first semester; therefore, limiting their ability to graduate within four years.
6	Student Persistence	Persistence to graduation is a problem. Minority persistence appears to be a very significant issue. EECE has a significantly higher percentage of undergraduate, minority students than the other engineering disciplines. This is an opportunity for national recognition if we could increase the percentage of minority students that graduate.