Biomedical Engineering Proposal

Tuition Income Analysis

The purpose of this analysis is to compare a conservative estimate of the annual tuition income to the University from the proposed program to the annual cost of program (\$366,000 in its steady state). This analysis shows that the program will not absorb funds from the University budget, but instead is expected to have a positive contribution to the budget. It must be clarified that this proposal does not request that the tuition income (or any part of it) be returned to the program.

Cost of Semester Credit Hour in 2006-2007: Illinois residents: \$243.00

Out of state students: \$607.50

A. Assumptions for Worse Case Analysis

Number of students: 80
Percentage of students paying tuition: (50%)
Number of students paying tuition: 40

Out of state students paying tuition: 24 students (60%) Illinois residents paying tuition: 16 students (40%)

Credit hours per semester per student: 10

B. Worse Case Annual Tuition Income

Tuition income from Illinois residents: $16 \times 20 \times $243.00 = $77,670$ Tuition income from out of state hours: $24 \times 20 \times $607.50 = $291,600$

Total worse case annual tuition income: 77,670 + 291,600 = \$369,270

C. Analysis Based on the Statistics of Existing MS Programs in the College of Engineering

Percentage of students paying tuition: 75% Percentage of out of state students: 80%

Assuming the same statistics for the proposed program the annual tuition

income would be: \$641,520

This is a more realistic estimate considering the graduate student demographics in Science and Engineering on the SIUC campus.

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D. Other Factors

The analysis above does not include the credit hours expected to be generated at no additional cost in the Summer Semesters from thesis work, and special investigation work (BME 592) for which the students will register and pay tuition.

Also not included are the credit hours expected to be generated by the BME courses from majors in other MS, professional or Ph.D. programs. It is expected that the number of these credit hours will be comparable to the number of credit hours estimated to be generated by the BME majors.

Another important financial benefit for the University is the anticipated increase in overhead recovery associated with the expansion of funded research in the area of biomedical engineering. It is well documented that the federal funds committed for research in biomedical engineering are substantially higher than the funds available for any other research area.

The assumptions and projections used in the analysis above are exactly the same as those presented in the proposal. The analysis here is focusing on the impact of the proposed program on the SIUC budget. The analysis in the proposal is structured to respond to the IBHE format and is focusing on the productivity of the program, as defined by IBHE.