

**NET Gain: Producing More Nnurses, Engineers, and Teachers  
A Group of SUS LBR Issues Totaling \$40,218,859**

**Nursing** In 2003, 1,882 qualified applicants were turned away from SUS BSN programs while the need for additional registered nurses will reach 623,000 by 2012. The eight SUS colleges of nursing will develop a two-pronged approach to increase the number of (1) BSN graduates and (2) nurse educators to prepare more future nurses.

The Request: \$13,857,000  
The Outcome: 253 more BSN students in traditional programs;  
253 more BSN students through accelerated programs designed for students with degrees in fields other than nursing;  
74 more MSN advanced nurses as nurse educators;  
10 more Master's Certificate prepared nurse educators; and  
25 more Ph.D.s as future nurse educators in Florida.

**Engineering** Focusing and increasing production of engineering graduates in certain critical areas of state need will lead to high wage jobs, diversifying Florida's economy, and attracting and retaining new companies to the state. The nine SUS engineering schools will work collaboratively to develop a set of retention strategies and to create high-potential, niche programs that will lead to a substantial increase in engineering and computing graduates. Strategies will include improvements in teaching of mathematics, chemistry and physics at the lower division; special engineering courses at the freshmen level; and special advising to engineering freshmen and transfer students.

The Request: \$15,000,000  
The Outcome: 700 additional engineering graduates by 2010-2011 by increasing enrollment and the retention of engineering majors.

**Teacher Production** All of Florida's state-approved teacher education programs will produce approximately 6,409 teachers in 2005-06, with the SUS institutions producing approximately 4,884. However, the Florida Department of Education projects the need for 30,861 new teachers in 2006-07. This gap is especially felt in critical shortage areas such as math, science, and special education. SUS colleges of education will take a two-pronged approach to increase the numbers of graduates by (1) developing accelerated programs such as Educator Preparation Institutes and Master's of Arts in Teaching programs, and (2) enhancing current teacher education programs. Enhancements to current programs will include marketing funds, employing recruiters, and paying stipends to support students to complete programs.

The Request: \$11,361,859  
The Outcome: 977 additional completers (above normal growth) in 2006-07, which is a 20 % increase above normal growth, with approximately 1,000 more completers above normal growth each year thereafter.