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Galen E. Turner III* (gturner@LaTech.edu), Mathematics and Statistics, Louisiana Tech University, Ruston, LA 71272, and **James D. Nelson, Kelly B. Crittenden** and **Alicia Boudreaux**. *Increasing Student Success in Engineering and Science through a Freshman Enrichment Program.*

Louisiana Tech University's College of Engineering and Science (COES) has implemented an NSF-supported Freshman Enrichment Program (FrEP) to help meet our overall goal of increasing the number of STEM (Science, Technology, Engineering, and Mathematics) graduates prepared to successfully enter the workforce. Approximately half of the students who enroll in the COES at Louisiana Tech must complete one or more preliminary mathematics courses prior to enrolling in Calculus, which often leads to a full year delay in graduation. In addition, a weak mathematics background, frequently coupled with poor study and time management skills, causes many students to fall further behind - ultimately resulting in withdrawal from the university or a change to a non-STEM degree program. As part of the FrEP, students enroll in a five-week program during the summer before their freshman year. This program consists of a college algebra course and enrichment topics including study skills, time management, career decision making and acclimation to the University. Experience to date indicates significant increases in retention when compared to previous cohorts. These students also have displayed more confidence, positive attitudes, respect, and a greater understanding of the demands of college life. (Received September 20, 2007)