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Alexandra Kurepa* (kurepa@ncat.edu), Department of Mathematics North Carolina A&T, Greensboro, NC 27411. *The Math S-STEM Program for Attracting and Retaining Scholars in the Mathematical Sciences.*

The goal of this program is to increase the number of underrepresented students in: pure mathematics, applied mathematics (with tracks in mathematical biology, mathematical economics, computational mathematics), and statistics. This paper discusses the development of a cohort of undergraduate and graduate students into a faculty-mentored learning community in mathematics. It describes the success of the project in improving student learning and the resulting effect on the cohort. The program that was developed at NCA&T includes student support and enrichment activities, such as: structured problem and study sessions, lecture series, and academic and professional career guidance and advising. In addition, it offers and facilitates exposure to research work and internship opportunities. (Received September 22, 2010)