Yu-Ju Kuo* (yjkuo@iup.edu) and Rick Adkins (fadkins@iup.edu). Establishing an interdisciplinary cohort to increase females and minorities in mathematics.

The Scholarship-Creating Opportunities for Applying Mathematics (S-COAM) program at Indiana University of Pennsylvania (IUP) has been funded by the NSF S-STEM program since 2010 (Award No. DUE 0966206 & DUE 1259860). The S-COAM program provides financial support, mentoring, and professional development opportunities to STEM undergraduates majoring or minoring in mathematics and graduate students in the M.S. in Applied Mathematics program at IUP with emphasis of increasing the number of females and minorities completing their degrees. Since 2010, the program has funded 64 different students including 28 females and five minorities. Among 21 currently funded undergraduates, there are 12 female students and two are minorities. Among ten female undergraduate students who graduated prior to Fall 2013, five continued into their master’s or Ph.D. programs. In this presentation, we will share our recruiting efforts, cohort activities, and female students’ feedback for the program, as well as identify effective strategies based on the literature research and the program assessments. (Received September 16, 2013)