Department of Mathematics of the Penn State University runs a yearly semester-long intensive program for undergraduate students from across the USA seriously interested in pursuing career in mathematics. MASS is held during the fall semester of each year. For most of its participants, the program is a spring board to graduate schools in mathematics. The participants are usually juniors and seniors.

The MASS program consists of three core courses (4 credits each), Seminar (3 credits) and Colloquium (1 credit), fully transferable to the participants’ home schools. The core courses offered in 2013 are:

Number Theory in the Spirit of Ramanujan (G. Andrews),
Winding number in topology and geometry (and the rest of mathematics) (J. Roe),
Elements of functional analysis. (B. Kalinin).

Applications for fall semester of 2013 are accepted now.

Financial arrangements:
Successful applicants are awarded Penn State MASS Fellowship which reduces their tuition to the in-state level. Applicants who are US citizens or permanent residents receive NSF MASS Fellowship which covers room and board, travel to and from Penn State and provides additional stipend. Applicants with outstanding previous record are awarded additional MASS Merit Fellowship. Participants who significantly exceed expectations during the program will be awarded MASS Performance Fellowships at the end of the semester.

For complete information, see http://www.math.psu.edu/mass
e-mail to mass@math.psu.edu
or call (814)865-8462