McMicken Undergraduate STEM Experiences

Note: If you have any questions, please ask the Undergraduate Program Director, Mihaela Poplicher, at mihaela.poplicher@uc.edu

Mathematics/Statistics majors (who have paid the A&S STEM fee) have the opportunity to receive some financial support from the McMicken Undergraduate STEM Funds, through the Department of Mathematical Sciences.

Four broad categories of funding will be available, based upon availability of funds:

1. Awards for Professional Development;
2. Travel Grants;
3. Student Summer Fellowships;

ELIGIBILITY: Essentially all math/stats majors (who have paid the STEM fee) are eligible, if they have done/ are doing work above and beyond the standard requirements and/or have very good results in their course work. More specifically:

- The student must be a Math/Stats Major and enrolled in at least 1 math/stats course at the time the request is submitted;
- For summer funding/ fellowships, the student must have been a Math/Stats Major and enrolled in at least 1 math/stats course in the Spring semester (previous the Summer for which funding is requested). In addition, students supported in the Summer are expected to either be enrolled in at least 1 math/stats course (could be individual study) over the Summer, or to continue in the Fall as a math/stats major enrolled in at least 1 math/stats course. A student graduating in the Spring semester will not be eligible for a Standard Request, Travel Funding, or Summer Fellowship to support them in the Summer after graduation;
- The student must have and maintain a Major GPA of at least 3.00;
- The student must have a math/stats faculty supervising his/her work.

Standard Requests/ Special Activity: Will be usually in the amount of $250-$350 per student and preference will be given to Math/Stats Majors with achievement in early math/stats professional development. Such achievements include, but are not limited to:

- having passed 1 or more actuarial exams during undergraduate study;
- participating in both the VTRMC & Putnam Competition;
- having passed at least 3 math/stats courses at 3000 level or higher (Capstone not included), while maintaining a GPA of 3.25 or higher (students may apply when they register for these 3 higher-level courses, but the funds will be available when the courses are completed).

**Travel to Conferences and Workshops:** Math/Stats Majors who travel to Conferences and Workshops may apply for travel support. Preference will be given to those who take an active part (by presenting, having a poster presentation, actively engaging in a workshop, etc). The amount of funding will be generally around $300-$500 and will be decided based on need and circumstances.

**Student Summer Fellowship:** For a limited number of students, fellowships (up to $3000 per student) will be awarded on a competitive basis, depending on the availability of funds. The fellowships are intended to support undergraduate research for students working over the summer on research projects supervised by math/stats faculty. These funds can be used for the WISE Program (or similar programs).

**Awards for Research Excellence:** These awards ($$500$$-$1000 per student) are for math/stats Majors whose research accomplishments have been outstanding in math/stats. Priority will be given to students in their last 2 years of undergraduate work. Most of these awards will be presented at the annual awards day for the Department of Mathematical Sciences. The research of the student must be associated with math/stats topics (this includes Capstone and Individual Study) or a formal mentoring program such as WISE.

**Application Procedure:** Send your application at any time during the year, but at least 2 months before the proposed activity starts to

mihaela.poplicher@uc.edu

Please include:

- your name, your M#, your GPA for the Math/Stats Major, your email;
- the list of math/stats course you have taken, with your grades, and your professors;
- a couple of paragraphs describing your proposed activity, including a budget, if needed (for instance, for travel support); don’t forget to mention if your activity is funded through other means (for instance: you go to an Undergrad Conference that pays for your registration and lodging); for “professional development awards”: reference the courses you plan to take;
- the name(s) of the math/stats faculty you work with, including their emails. Please advise them that they might be asked for a recommendation on your behalf.

All requests for funding will be assessed by the Undergraduate Program Committee and you will get a timely response (usually within a couple of weeks).