The SURGE Program at UT Arlington:
Scholarships for Undergraduates to Reach Goals in Education

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The SURGE Program: Basic Facts

- Funded by the National Science Foundation
- Budget of $483,000 over four years
- Managed by five mathematics faculty at UT Arlington
- Supports two cohorts of 13-15 undergraduate mathematics majors for up to three years per student
- Students selected based on financial need and potential to complete an undergraduate mathematics degree with the help of SURGE
Objectives of the SURGE Program

- Provide scholarships of up to $10,000 per student per year

- Mentor students to complete the degree and enter the STEM workforce or graduate school

- Enhance student support programs in mathematics to benefit all mathematics majors and increase the number of undergraduate mathematics degrees awarded per year at UT Arlington from 20 to at least 30 in three years
UT Arlington Mathematics Majors

• About 100 mathematics majors (out of 19,000 undergraduates and 78 majors)
  • 50% transfer in from community colleges
  • 25% enter with AP/college credit from high school
  • 25% undecided upon entering UT Arlington

• Most begin as mathematics majors in the second-year mathematics curriculum. Therefore the SURGE Program brings in mostly sophomores.
Support/Mentoring of SURGE Students

- Student Chapter of the MAA
- Faculty mentoring (2-3 students per faculty mentor)
- Peer mentoring by graduate students
- Speakers from local industries
- University support programs
MAA Activities

- Bi-weekly lunch meetings of mathematics majors
- Speakers, panel discussions, meet-the-faculty dialogues
- Participation in mathematics conferences and contests
  - Texas Undergraduate Mathematics Conference
  - Texas Section Meeting of the MAA
  - Mathfest
  - Putman Problem Seminar
- Fundraiser reviews for lower-division math courses
Monthly Schedule: Wednesdays 12 - 1

- Week 1: MAA Student Chapter meeting
  - Invited speaker,
  - Panel discussion, or
  - Meet-the-faculty dialogue

- Week 2: Small group student-mentor lunches

- Week 3: MAA Student Chapter meeting

- Week 4: SURGE Program special activity
  - Math technology seminar,
  - Interactive group discussion, or
  - University support program presentation