

pre-STEM Majors = Math-Based = Math Success is Key

Messages from Advisors

pre-STEM is Calculus based. HS courses → **Calculus**

Mastery for the next course is **B- or higher**.

The 4-yr graduation plans *begin @* calculus. Entering at a prior course (ie college algebra) adds a year.

Expect to use summers to catch-up or speed-up, *including summer before enrollment*. The cost of a year is \$70,000 (tuition/expenses/*lost wages*).

Support students' major choices with questioning:

- Do you want a career that uses calculus in the work?
- A major that requires calculus to progress in your classes but can lead to a career that uses less math?
- A major that requires 1 (or 2) semesters of calculus only?

Student Actions

Successful students join the **STEM** community

Follow your College and Major in Canvas, Email, Socials

See your advisor at least once/semester.

Join peer-led study groups. [Supplemental Instruction](#).

The work is hard because it's hard, not because of you!

Anticipate the workload. Have 10 hours/week for each math or science class. Assigned homework might take less time, but is rarely enough practice for mastery.

Build study stamina. Challenging topics mean that you don't get it right the first time. Expect to revise, recheck, repeat.

More than half of 4-yr students change their major. There are many well-paid careers you can pursue and subjects you have not yet experienced. Explore!