Multiple Class Sections Based on Prior Experience
Motivation

> There is a total number of 1070 undergraduate degree recipients in Engineering

> 27% of B.S. degree recipients were women and 13% were underrepresented minorities

> Having more women and minority groups can make CoE a more inclusive environment.
Problem Statement

- Students step into college with different levels of experience in engineering courses
- Women and minorities are more likely to have less engineering classes in high school.
- Having classes with much more experienced students can be intimidating.
- Students may give up on pursuing an engineering degree due to lack of confidence.
Intervention

> Divide introductory courses into two sections based on prior experience (e.x. Math 124 and CSE 142)

> Set success in the class dependent on hard work and asking for help
Expected Results

- Confidence and community built among underrepresented groups
- Higher women and minority enrollment in college of engineering
- Better performance and grades for student with no prior experience.
Thank you!