

# Multiple Class Sections Based on Prior Experience

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# Motivation

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- > 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

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- > **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

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- > **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

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- > 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!**