

Course Paths

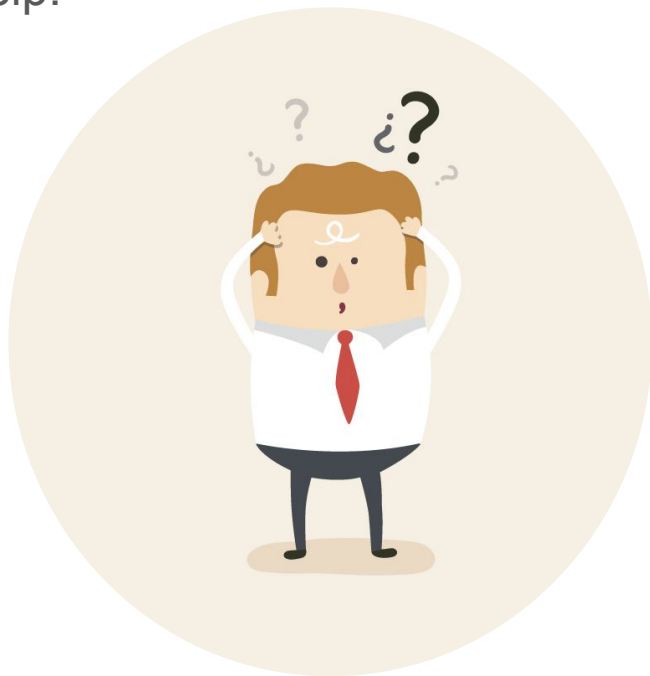
Ellie, Emma & Becca

Agenda

- Outline problem
- Introduce background and context
- Implementation plan
- Our solution
- Questions and feedback

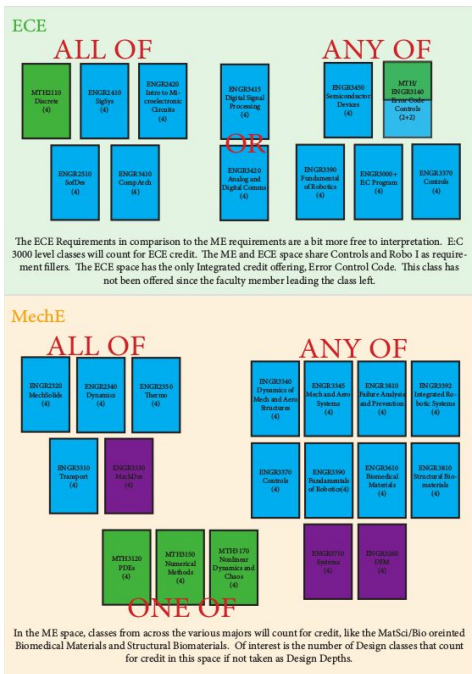
The Problem

Creating a 4-year course plan is hard! Especially if you aren't yet sure of your major... We want to help!

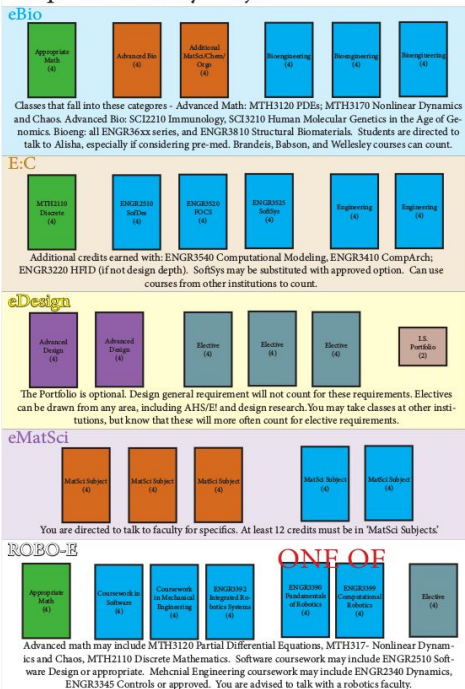


Current Solutions

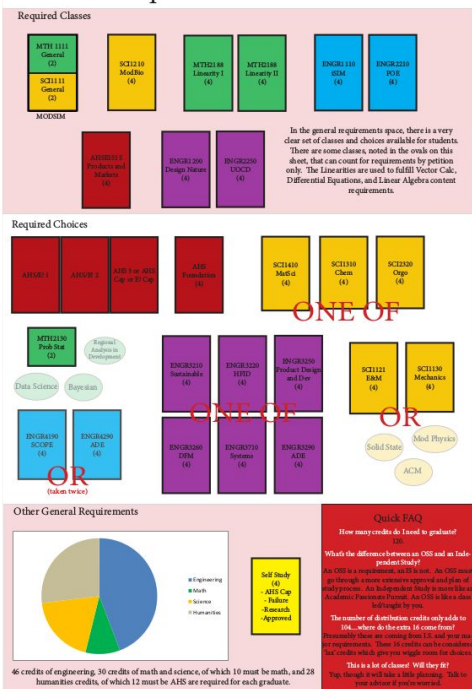
Requirements by Major



Requirements by Major



General Requirements

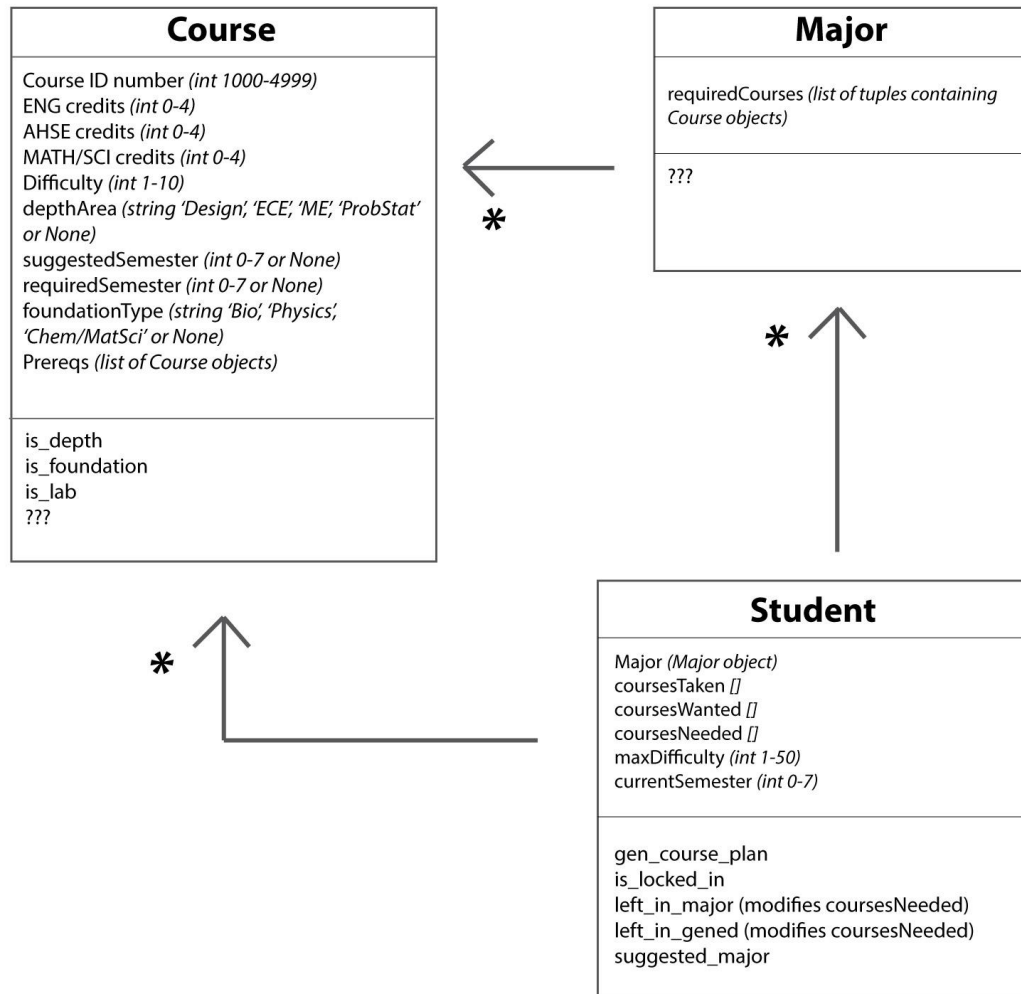


How it will work!

Pandas to structure data

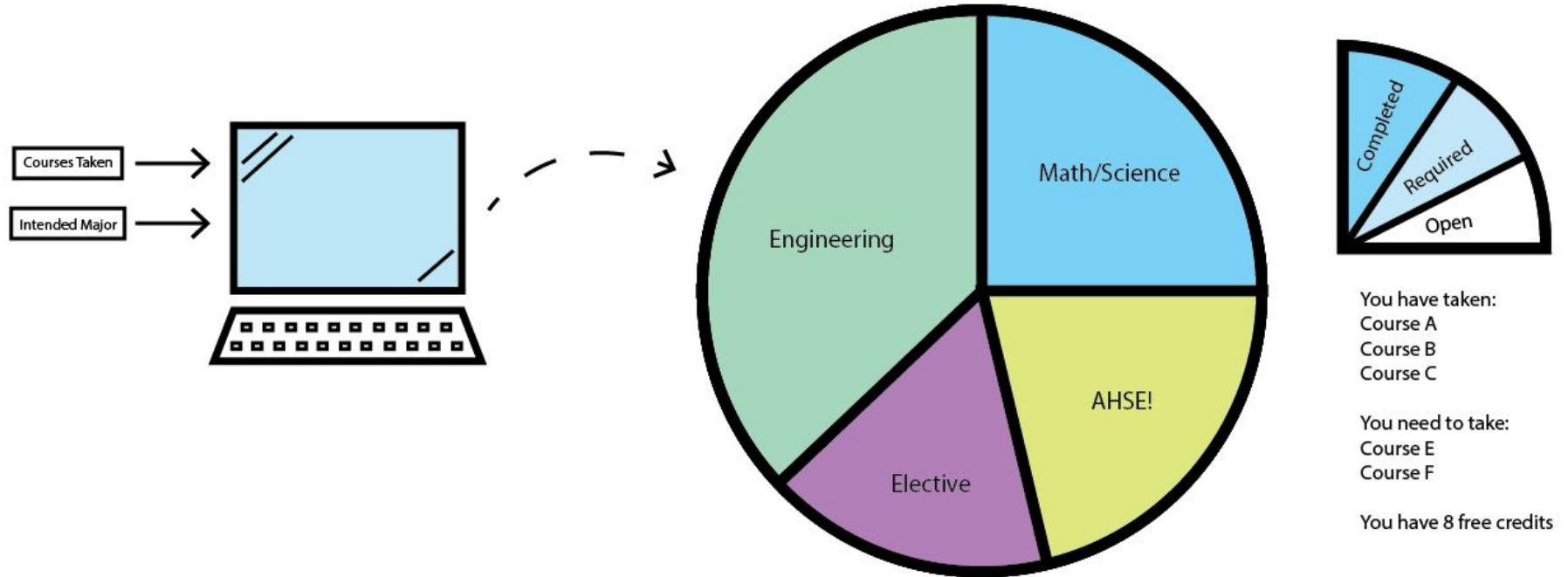
TKinter to display it

UML diagram:

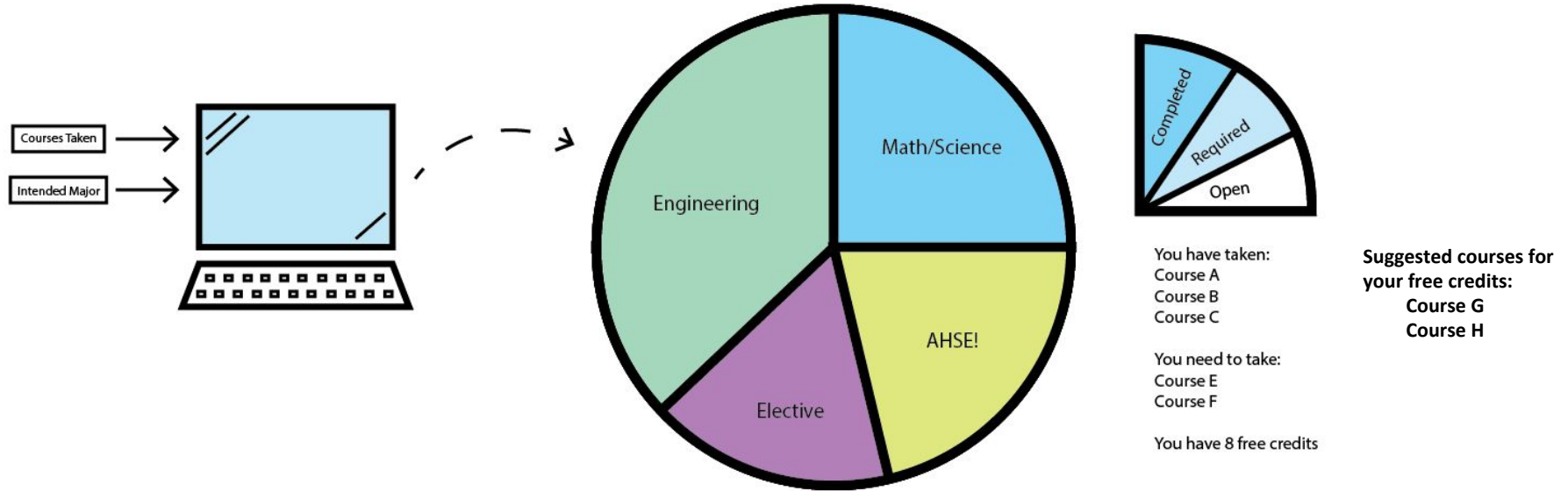


Q: Should general requirements (ie Intro Bio, Phys foundation) live in the Major class or in a list outside of any class?

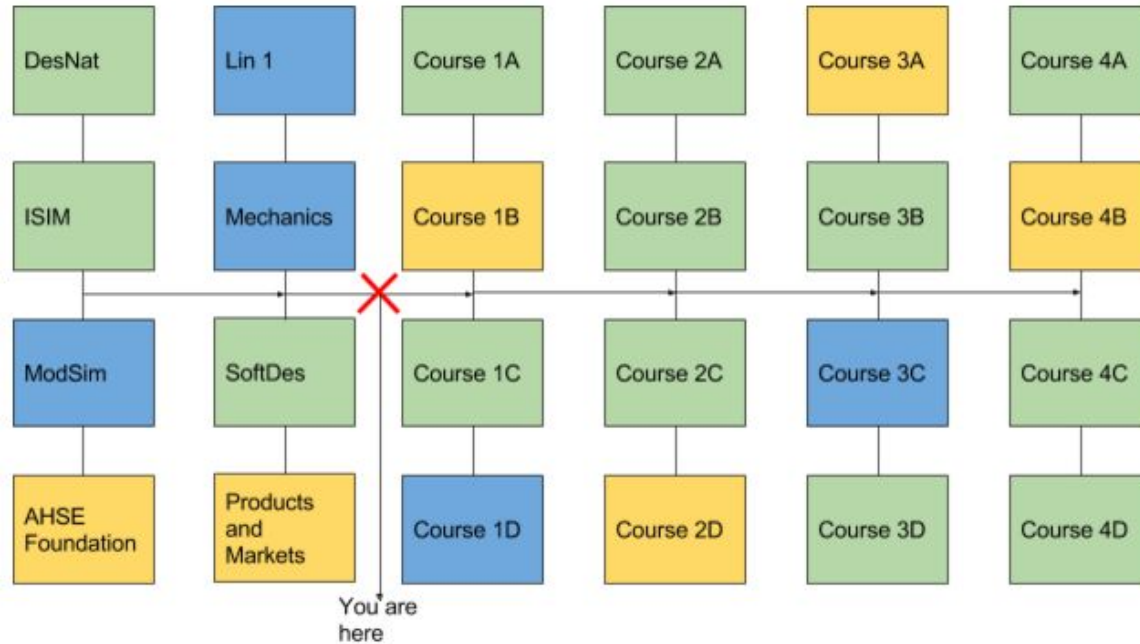
Our Solution



Secondary Solution



Final Solution



Challenges

- How do we deal with courses that are not offered on a regular basis? (special topics courses and courses offered sporadically)
- What are the most important factors for us to consider in the recommendation algorithm?
 - Difficulty of course
 - Suggested semester
 - Coloring balance
 - Other things?
- What would be the most intuitive way for the user to input data?
 - Check List?
 - Text Input?
 - Something Else?
- What is the best way to display the data for the user to read?
 - Pie Chart?
 - Option Tree?
 - Chronological Flow Chart?