

Capstone Team Charter

Duke Registrar

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Purpose and goal

We aim to understand how past student class enrollment and completion data can help guide current students in class selection. The goal is to create a system for current students to see what classes past students took in each major and the order and combination of those classes to facilitate course load planning.


Time commitment



Time commitment hours will be flexible depending on our project schedule. We assume that it will be 5 hours per week.

- Weekly meetings with manager (1h) 
- Weekly student meeting (1h)
- Optional meeting with Dataiku (1h)
- Individual data analysis (2h)

Team culture

- For active participation and deep involvement, we believe that having a calm and relaxing environment is a key to succeed in the project. 
- While we are not trying to change the way other people work and think, we take responsibility and ownership of the project.
- With this culture, we hope that anywhere can be an amicable and easygoing spot since all works should be done remotely due to Covid-19.

Deliverables

- Pattern exploration
 - Graduation requirements versus. Potential exploratory “pathways”
 - Order of classes
 - Class combinations
 - Prerequisites, major requirements, etc.
 - Grade difference at major-level, course-level...
 - Course combinations resulting in higher/lower grade at major-level or term-level
- Recommendation tool at course, grade, or degree completion level
- Subject to change based on definition of project

Desired end result



- User interface that allows undergraduate students to log into a dashboard that compares their academic pathway with the academic pathways of other students in particular majors who have already graduated.
- The interface is able to recommend courses to consider based on courses completed and the current major or the major under consideration.

Team member and roles



- Individual contributors
- TBD once the project is specified in detail
- Aim to occasionally rotate roles to ensure that all members have experience in different roles

Supporting resources



- Duke Registrar
- Project manager
- Dataiku
- MIDS faculty

Reporting plan and meeting expectations



- Report during weekly meetings
- Be on time

Links

- Duke registrar website
- Duke undergraduate students



Formality of signature

Name	Vanessa Tang	Sangseok Lee	Yiran Chen
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