

# INTELLIGENT COURSE SCHEDULER



## The Problem

We discovered that a majority of university students encountered difficulties when selecting and scheduling their courses.

- ✗ Difficulty retrieving degree information
- ✗ No course recommendations
- ✗ Lack of interactive planning



## The Solution: Interactive Degree Planner



### Drag and Drop

A remarkably simple experience for adding and reorganising courses.



### Track Degree Progress

Automatically checks course prerequisites and availability, major/minor requirements, and degree requirements to help the student schedule.



## User Testing

We asked students to test our product and acted on their feedback to improve user experience



## Define



### Problem Scope

Using expert interviews, surveys and a university wide poll we narrowed down the scope of the problem



80% of students preferred a website as their platform of choice for course scheduling



84% of students choose elective courses based on personal interest



65% of course selections are influenced by relevance to degree



## Intelligent Search System for Degree Planner



### Concept Awareness

We ensured that our search understands general concepts and ideas so that students can find courses based on their interests



### Enhanced Indexing

We developed a superior search ranking, retrieval and filtering system.



### Question and Answer

We used AI to answer common degree planning questions, making degree planning less confusing



## Deep Learning

The scheduler uses a deep neural network to provide reasoning for course recommendations. Degree recommendations constantly improve as more students schedule their degrees.

## Create Impact

For the first time, students have a complete system which helps them to find the courses they are interested in, schedule their entire degree, and ask questions. All without the help of university staff.

