

Course Visualizer Tool

Initial Plan 23/7/2023

ENGR302 Team L

Customer: Karsten Lundqvist.

Hours involved: 900.

Delivery date: Mid-October (?)

Deliverable: A web-based course visualizer.

Project Objective:

To develop an interactive web application that will serve both course coordinators and students, enabling streamlined access to and organization of course information.

Key Deliverables:

- Web app accessible for course coordinator and students.
- Course coordinator can optionally login as an admin to perform the one-click import of an existing course calendar into the system.
- Students / public view: Able to view and filter the courses.
- Show course graph (dependencies and prerequisites) using arrows.
- Have print to PDF functionality [[example](#)].

Bonus Deliverables:

- Since we will import all the university courses, we should provide a way to filter down to a particular branch of the school.
- Remove/disable a course and see the flow down effect of what courses are still accessible.
- Mobile capability.

Clarification Needed:

- Does the course calendar PDF format change each year?
- Is there a better data source to pull from?

Project Risks:

- Changes in course calendar PDF format may require adjustments in the system.
- Any delays in receiving client clarifications may push back the delivery date.

Next Steps:

- Feedback on the proposal.
- Confirm project resources.
- Finalize project timeline.

Potential Mockup:

<https://www.figma.com/file/gFwzx4zNKY36ANcpegBmtM/ENGR302?type=design&node-id=0%3A1&mode=design&t=F6CKPoDo4mg2W8OW-1>

