

INTERACTIVE VISUALIZATION FOR DEGREE NAVIGATION

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Pain Points

- Searching for courses to take is time consuming
- Want to find courses that are interesting, fit our requirements, and are not too difficult

Third and Fourth Years - 18 Credits	Complete	CIP	Missing	Applied Courses
6 credits from PSYC Module Courses	✓			PSYC304 (6, 2020S, 77)
6 credits from Non-PSYC Module Courses	✓			CPSC344 (3, 2019W, 87); CPSC444 (3, 2020W, 86)
6 credits from Any Cognitive Systems module courses numbered 300 or above	✗		6	None

Pain Points

- Difficult to visualize requirement connections between courses

CPSC 444 Advanced Methods for Human Computer Interaction

Design and evaluation methodologies and theories; formal models of the user including visual, motor, and information processing; advanced evaluation methods including laboratory experiments and field studies; HCI research frontiers.

This course is eligible for Credit/D/Fail grading. To determine whether you can take this course for Credit/D/Fail grading, visit the [Credit/D/Fail](#) website. You must register in the course before you can select the Credit/D/Fail grading option.

Credits: 3

Pre-reqs: [CPSC 344](#) and one of [STAT 200](#), [STAT 203](#), [STAT 241](#), [STAT 251](#), [BIOL 300](#), [COMM 291](#), [ECON 325](#), [ECON 327](#), [FRST 231](#), [GEOG 374](#), [KIN 206](#), [KIN 371](#), [POLI 380](#), [PSYC 218](#), [PSYC 278](#), [PSYC 366](#), [SOCI 328](#).

CPSC 344 Introduction to Human Computer Interaction Methods

Basic tools and techniques, teaching a systematic approach to interface design, task analysis, analytic and empirical evaluation methods.

This course is eligible for Credit/D/Fail grading. To determine whether you can take this course for Credit/D/Fail grading, visit the [Credit/D/Fail](#) website. You must register in the course before you can select the Credit/D/Fail grading option.

Credits: 3

Pre-reqs: One of [CPSC 210](#), [EECE 210](#), [EECE 309](#), [CPEN 221](#).

Solution

A interactive visualization to help students determine the course path to their degree

- Visualize course options to satisfy requirements and showcase connections to pre-requirements
- Allow comparisons between courses in terms course attributes (past averages, # of pass, # of fail)

Why I want to do this project?

- We are the users
- Real use and benefits