Visualizing UW Prerequisite Course Sequences

CSE 512: Final Project

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Unclear prerequisite info in course catalog

- Course catalog only shows latest prerequisite requirement, not all coursework required

- Degree planning information or course sequences only available on departmental websites.

- **Solution**: visualize course sequences with trees!

CSE 373, an elective course, lists CSE 143 as the only prerequisite. However, CSE 143 requires CSE 142 as a prerequisite.

CSE 373 Data Structures and Algorithms (3)
Fundamental algorithms and data structures for implementation. Techniques for solving problems by programming.
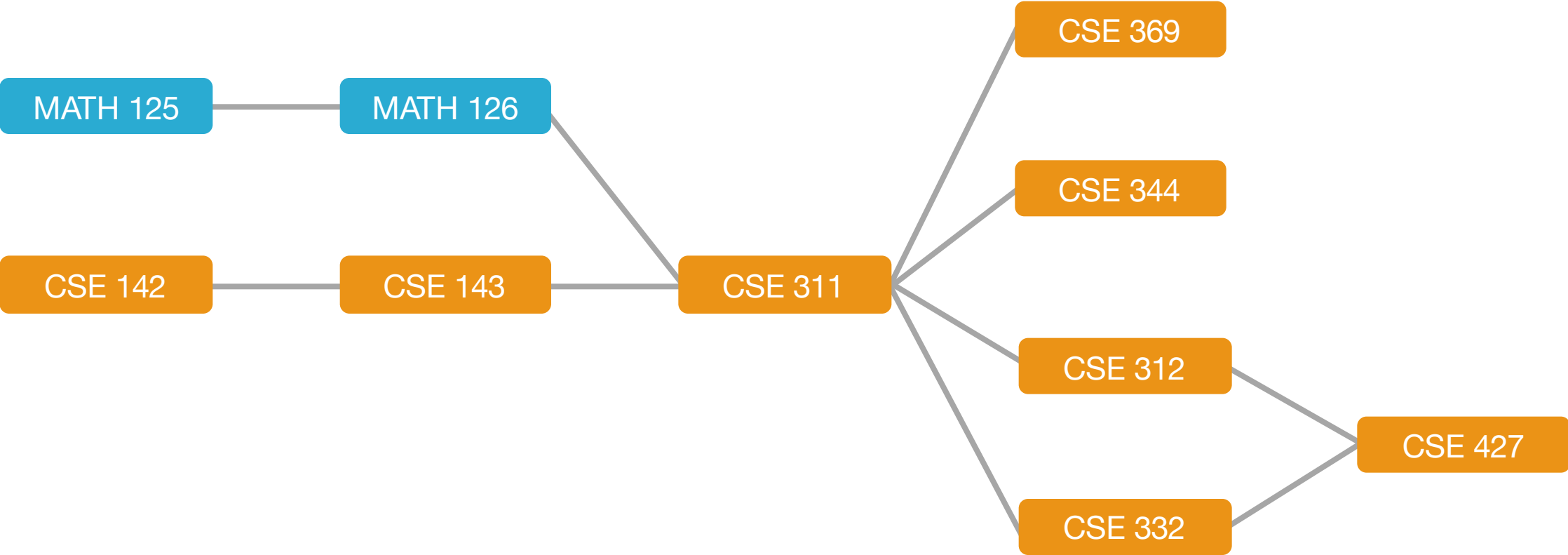**Prerequisite**: CSE 143 ⟵

Therefore, the prerequisites for CSE 373 are actually CSE 143 and CSE 142.

CSE 512: Final Project

Anticipated storyboard

View sequence for: CSE 311

Relevant prior work

UW Course Search
Brice Hulse, 2016

Course Focus
iSchool's Course Sector, 2015

Questions/Issues we are addressing

- How do we handle "soft prerequisites" in course description (*i.e.: "by permission of instructor"*)?

- What's the best tool for writing web scrapers?

- What's the best data schema for trees and networks? Two column CSV or JSON?

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