

# Dual Enrollment Equivalency Lookup Tool

## Making Educational Data Accessible Through Python Programming

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### Problem

The Florida Department of Education publishes a long PDF yearly, making it difficult for students, parents, and educators to find how college courses count on the high school transcript.

### Objective

Create an interactive Python program to make this process quick, searchable, and user-friendly.

### Methodology

Use Python to build a command-line lookup program that allows searches by course name or number. Fuzzy searching will be implemented to handle typos and partial names.

### Results

The tool successfully returns equivalency information for all courses listed in the 2025-2026 DE list.

Example 1:

```
Enter course prefix (ENC) and/or number (2101): Hum 2020

Found 1 matching course(s):

['HUM', 'X020', 'Introduction to Humanities (GE Core)', '0.5', 'Elective (includes world language courses)', 'Humanities']

Process finished with exit code 0
```

Example 2:

```
Enter course prefix (ENC) and/or number (2101): ENC 1101

Found 3 matching course(s):

['ENC', 'X101', 'Freshman Composition Skills I (GE Core)', '1', 'English/Language Arts', 'Communication']
['ENC', 'X101C', 'English Composition (GE Core)', '1', 'English/Language Arts', 'Communication']
['ENC', 'X101/L', 'English Composition (GE Core)', '1', 'English/Language Arts', 'Communication']

Process finished with exit code 0
```



GitHub Project

### Impact

Students, parents, and educators can find accurate DE equivalency instantly. This supports academic planning, reduces counselor workload, and promotes digital literacy.



### Future Work

Use Flask, React, or Click to develop a web-based version of the program. Conduct usability testing to measure whether the digital interface improves the speed and accuracy of finding DE equivalencies compared to the official PDF.