

Dual Enrollment Equivalency Lookup Tool

Making Educational Data Accessible Through Python Programming

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Problem

Each year, the Florida Department of Education publishes a lengthy PDF outlining dual enrollment courses and their high school equivalencies (Florida Department of Education). According to the list, some 3-credit hour college courses translate to 0.5 high school credits while others are worth 1.0 high school credit. The equivalency list also specifies the subject area under which each course falls for the high school transcript. This information is vital for academic planning, impacting nearly 60,000 dual enrollment students throughout Florida each year (Florida College Access Network).

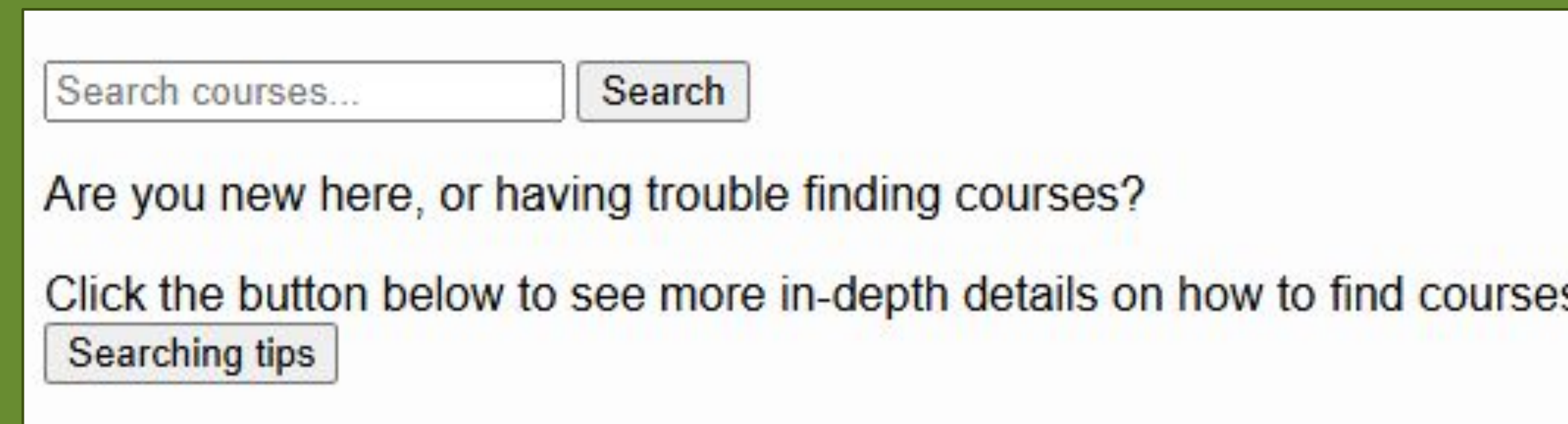
However, the officially published PDF from the DOE is not easy to navigate. As a result, students, parents, and educators in public schools, private schools, and homeschool communities throughout the state find it difficult to efficiently locate and determine how dual enrollment courses count on the high school transcript.

Objective

Create an interactive Python program to make the process of looking up dual enrollment equivalency information quick and user-friendly.

Methodology

Use Python 3.12 to build a lookup website that allows users to search the Florida Department of Education's dual enrollment equivalency list by course name, course number, or other relevant course information. Implement fuzzy searches via the RapidFuzz python module to handle typos and partial names.



Results for "enc 1101"

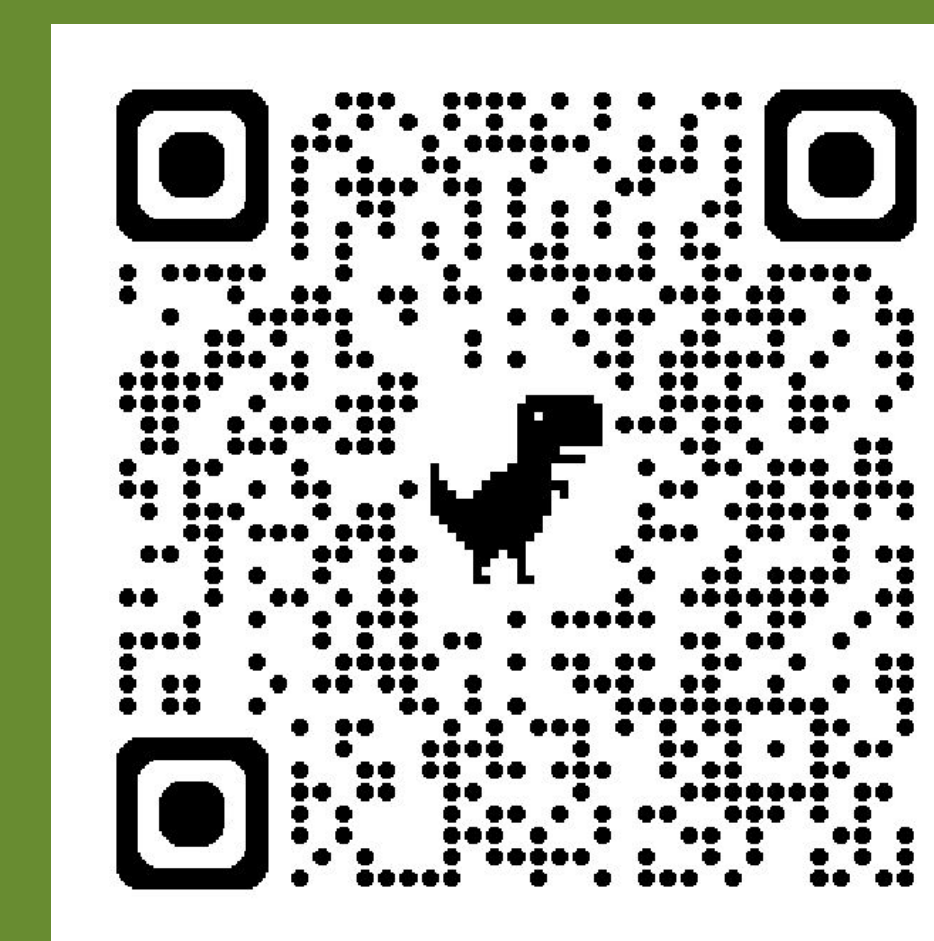
Found 3 results

Course Prefix	Course Number	Course Name	HS Credit Value	HS Graduation Code	GE Core Subject
ENC	X101	Freshman Composition Skills I (GE Core)	1.0	English/Language Arts	Communication
ENC	X101C	English Composition (GE Core)	1.0	English/Language Arts	Communication
ENC	X101L	English Composition (GE Core)	1.0	English/Language Arts	Communication

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GitHub Project



Website

Results

The tool successfully returns and displays information for all courses listed in the 2025-2026 FL DOE dual enrollment equivalency list. Searches by all category types (course name, course number, subject area, etc) return correct course information. Invalid inputs returns a "No Courses Found" message.

During the first two weeks following the implementation of analytics, the site received 148 unique users

Impact

Students, parents, and educators throughout Florida can use the tool to find accurate and up-to-date DE equivalency information instantly. This supports academic planning and reduces counselor workload. The program makes educational information equally accessible to public schools, private schools, and homeschool communities statewide.

Future Work

Conduct usability testing to measure whether the digital interface improves the speed and accuracy of finding DE equivalencies compared to the official PDF. Add tracking to measure how many unique users are using the site.