

2021-22 ACADEMIC PROGRAMS

WEB DATABASE PROGRAMMING PROFESSIONAL (CVWDPP)

Advanced Certificate

This advanced certificate program focuses on the development of web databases and e-commerce applications. The coursework emphasizes server-side programming and is intended for students with strong programming background. Students will be exposed to a professional team programming exercise. If a student needs exposure to front-end web development, a certificate in the Web Design and Development discipline should be considered.

This is a **high skill** and **high wage** program as defined by the [Michigan Community College Network](#).

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Description

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Admissions Requirements

Completion of CPS 161 or CPS 171 with a minimum grade of "B-" or instructor consent.

Applying for Admission to the Program

Academic Math Level 3 is required to enroll in CPS 161.

Course Requirements

Major/Area Requirements

| Class | Title | Minimum Credits |
|-----------------------|---|-----------------|
| CPS 276 | Web Programming Using PHP and MySQL | 4 |
| CPS 278 | Java Server Programming | 4 |
| CPS 298 | Professional Team Programming | 4 |
| CIS 282 or WEB 230 | Database Principles and Application* | |
| | Advanced JavaScript | 3-4 |
| | Elective(s) Any 100-level or above course to bring the total credits to a minimum of 16.* | 1 |
| Total | | 16 |

Total Credits Required: 16

Footnotes

*Students who select CIS 282 must take one (1) additional credit to reach 16 credits.

Accurate as of 05/18/2021 Information is subject to change without notice.