

WEB DEVELOPMENT MINOR

The Web Development minor provides students with a comprehensive foundation in the skills required to build functional and visually engaging web applications. This minor emphasizes both creative and technical aspects of web development, from front-end interfaces to back-end systems, ensuring a holistic understanding of how to develop and deploy web solutions. Students gain hands-on experience in designing, developing, and managing web projects using modern technologies and processes. This minor prepares students for future professional practice in web development and offers an interdisciplinary perspective by integrating design thinking and user-centered principles into technical workflows.

Note: to receive the minor, students must successfully complete each of the required courses.

Grade Requirements: students must earn a GPA ≥2.5 in minor coursework.

Required Courses

DESN 216	DIGITAL FOUNDATIONS	5
DESN 369	WEB DEVELOPMENT 1	5
DESN 379	WEB DEVELOPMENT 2	5
DESN 469	WEB DEVELOPMENT 3	5
Total Credits		20

Students who earn a Web Development Minor from EWU should be able to:

- understand Front-End (client-side) versus Back-End (service-side) Development: Distinguish between front-end and back-end technologies, understanding their respective roles in developing a fully functional web application;
- understand the principles of HTML, CSS, and JavaScript to fully utilize and extend modern web frameworks to design interactive and responsive user interfaces that are both visually appealing, accessible, and performant;
- build, test, and implement Application Programming Interfaces (APIs) that enable data communication between the client-side and server-side, ensuring that web applications are dynamic and scalable;
- use industry-standard practices to manage and deploy web projects, ensuring security, scalability, and maintainability of applications;
- demonstrate the ability to integrate design thinking into web development projects, ensuring a cohesive approach that balances technical feasibility with user-centered aesthetics.