IT 289: Coding III - Full Stack Development

Credits 5

Quarter Offered Spring

This course completes the full-stack picture by introducing back-end development including relational databases, API development and testing, deployment, and security. Builds on but does not require coding I or coding II if student has prior experience with programming fundamentals and front-end development. Students will build, test, and release a full stack web application from beginning to end. Completion of <u>IT 287</u> and <u>IT 288</u> or equivalent experience recommended. This class may include students from multiple sections.

Course Outcomes

Demonstrate how to create a web application server.

Create a web application that interacts with a database.

Design and create RESTful Application Programming Interfaces (API)s.

Demonstrate experience using cloud services for application deployment such as Amazon Web Services, Microsoft Azure or others.