

# 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 [IT 287](#) and [IT 288](#) 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.