

# FULL STACK WEB DEVELOPMENT CERTIFICATE

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The full stack web development certificate provides students an opportunity to learn and develop skills related to full stack web development. Full stack web development is the process of programming client and server software. Students who earn this certificate will leave with the skills to build attractive and fully functioning websites from scratch. These skills are developed through an introduction to general programming skills, learning about design principles and software used for digital design, instruction on how to build and manage databases, and materials that teach students about interactions between servers and client-side software and how to develop reactive and modern websites. Students must complete the following courses to earn the full stack web development certificate.

A minimum of 12credits is required:

Code	Title	Credits
Required Courses:		
ART 173		3
CS 190	Computer Science I	3
CS 195	Database Management Systems	3
CS 250	Web Applications Development I	3
<b>Total Credits</b>		<b>12</b>