WEB DESIGN AND DEVELOPMENT MAJOR (BS ONLINE ONLY)

Students will learn full-stack development; including front end development and back end scripting. Skills acquired in server-side programming and database design and implementation will lead to creating professional-looking web sites and building database driven e-commerce. Agile methods, teamwork, and use of version control such as Git to support collaborative development will be explored. A senior capstone project, either company led or instructor-approved, will demonstrate mastery of web design and development skills learned in this program.

General Education Requirements

All degree seeking undergraduate students must complete the general education (http://catalog.csp.edu/archive/2021-2022/undergraduate/academic-information/general-education-requirements/) requirements.

Degree Requirements

Bachelor of Science (http://catalog.csp.edu/archive/2021-2022/undergraduate/academic-information/graduation-requirements/#bs) degree consists of a major of typically 45 to 60 credits, general education courses, and elective courses totaling a minimum of 120 credits.

Code	Title	Credits
Prerequisites from General Education		
MAT 110	Introduction to Probability and Statistics (3)	
Required		
CSC 115	Introduction to Python	4
CSC 175	Math for Computer Science	4
CSC 222	Introductory Programming with Java	4
CSC 135	Client-Side Web Development	4
CSC 230	Database Design	4
CSC 235	Server-Side Development	4
CSC 310	Computer Architecture and Operating Systems	4
CSC 315	Mobile App Development	4
ART 383	Web Design I	3
CSC 435	Advanced Web Application Development	4
CSC 450	Computer Science Capstone	4
Total Credits		**43**