

SOFTWARE DEVELOPMENT - BASIC TECHNICAL CERTIFICATE (BTC)

Explore More About This Program: <https://cwi.edu/program/software-development>

Certificate Requirements

Course	Course Title	Min Credits
Major Requirements		
SWDV 120	Introduction to Programming	3
SWDV 125	Intermediate Programming	3
SWDV 130	Introduction to Web Application Development	3
SWDV 135	Web Styling	3
SWDV 140	Intermediate Web Application Development	4
SWDV 143	Client-Side Frameworks	4
SWDV 152	Systems Analysis and Design	4
Minimum Credit Hours Required		24

Plan of Study Guide: Fall or Spring Start ¹

The course sequence listed below is strongly recommended in order to complete your program requirements. Many Career and Technical Education (CTE) courses have prerequisites and/or corequisites that have been accounted for within this Plan of Study Guide. Please register for each semester as shown using the Student Planning tool in myCWI. Consult your Student Success Advisor for any questions regarding this course sequence plan.

First Year

Fall		Credit Hours
SWDV 120	Introduction to Programming	3
SWDV 125	Intermediate Programming	3
SWDV 130	Introduction to Web Application Development	3
SWDV 135	Web Styling	3
Total Semester Credit Hours		12
Spring		Credit Hours
SWDV 140	Intermediate Web Application Development	4
SWDV 143	Client-Side Frameworks	4
SWDV 152	Systems Analysis and Design	4
Total Semester Credit Hours		12
Minimum Credit Hours Required		24

¹ This program can be started in either the fall or spring semester. The same course sequence should be followed for the major requirements, regardless of which semester you begin the program.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Employ industry standard practices in the coding, design, and development of software.
- Utilize industry standard WYSIWIG authoring tools in the creation and deployment of websites.
- Install and configure software systems that provide website authoring.