



Wayne
County
Community
College
District

Computer Information Systems: Software Developer

PAY

The median annual wage for software developers was \$110,140 in May 2020. The lowest 10 percent earned less than \$65,210, and the highest 10 percent earned more than \$170,100.

JOB OUTLOOK

Employment of software developers is projected to grow 22 percent from 2019 to 2029, much faster than the average for all occupations. Software developers will be needed to respond to an increased demand for computer software.

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, May 2021, Software Developers, on the Internet at: <https://www.bls.gov/ooh/Computer-and-Information-Technology/Software-developers.htm#tab-1>

ABOUT THE PROGRAM

The Software Development Certificate teaches students how to create applications and systems that run on a variety of devices including personal computers, mobile phones, tablets, automobiles, and other devices. The program achieves this goal by exposing students to key programming languages. The program will help students acquire key information technology skills and popular programming languages used across several industries. The program will position students to either transfer to a 4-year degree granting institution with knowledge and credits, or be employable to work in the industry.



WHAT DO SOFTWARE DEVELOPERS DO?

Software developers are the creative minds behind computer programs. Some develop the applications that allow people to do specific tasks on a computer or another device. Others develop the underlying systems that run the devices or that control networks.

WHERE DO THEY WORK?

In general, software development is a collaborative process, and developers work on teams with others who also contribute to designing, developing, and programming successful software. However, some developers work at home.



Recommended Sequence of Courses

Software Developer: Certificate

CR. No. COURSE TITLE CREDITS

SEMESTER 1

CIS 110	Introduction to Computer Information Systems	4
CIS 120	Introduction to Database Concepts	3
CIS 112	Structured Design	3
CIS 130	Introduction to Application Development	4

SEMESTER TOTAL14

SEMESTER 2

CIS 210	Introduction to Operation Systems	3
CIS 207	Java Programming Language	4
CIS 200	Python Programming Language . .	4

SEMESTER TOTAL11

SEMESTER 3

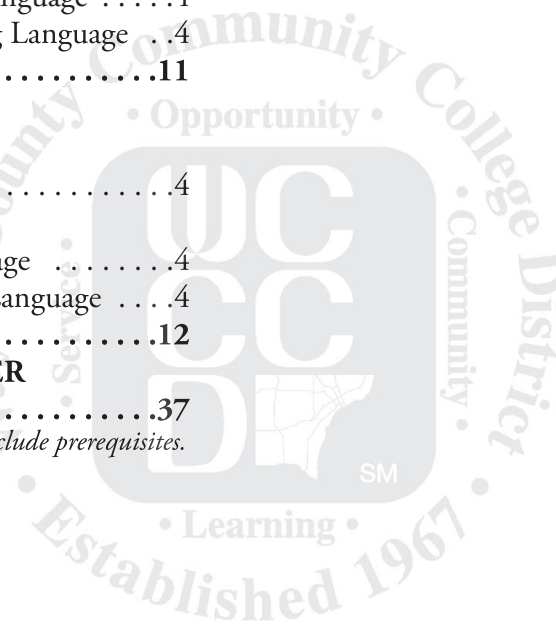
CIS 258	JavaScript/PERL	4
CIS 208	Advanced Java Programming Language	4
CIS 255	Swift Programming Language . . .	4

SEMESTER TOTAL12

CIS: SOFTWARE DEVELOPER

CERTIFICATE TOTAL37

Note: Certificate total hours may not include prerequisites.



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