



Wayne
County
Community
College
District

Computer Information Systems

PAY

The median annual wage for computer programmers was \$79,530 in May 2015.

JOB OUTLOOK

Employment of computer programmers is projected to decline 8 percent from 2014 to 2024 as programming can be done from anywhere in the world.

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, 2016-17 Edition, Computer Programmers, on the Internet at <http://www.bls.gov/ooh/computer-and-information-technology/computer-programmers.htm>

ABOUT THE PROGRAM

The Computer Information Systems Associate of Applied Science degree program is designed to provide a solid foundation in the fundamental skills that are generally required to analyze system requirements and design solutions, or to support and manage the application of technology resources. The degree includes core courses of information systems fundamentals, and allows for the selection of courses in specialized areas of concentration to complete the degree option requirements.



Program concentrations are designed to meet the educational needs of most segments of the IT field in a client-server environment and microprocessor platform along with web and server applications. The training blends general education courses with the required IT skills for programmer/analyst in government, insurance, manufacturing, service, sales, utilities and banking. Additional education and job experience leads to work in systems analysis and project management.

WHAT DO COMPUTER PROGRAMMERS DO?

Computer programmers write code to create software programs. They turn the program designs created by software developers and engineers into instructions that a computer can follow.

WHERE DO THEY WORK?

Programmers usually work in offices, most commonly in the computer systems design and related services industry.



**Wayne County Community College District....
Jobs for Today, Jobs for the Future!**

**FOR MORE INFORMATION, CALL 313-496-2600
OR VISIT OUR WEBSITE AT WWW.WCCCD.EDU**

Recommended Sequence of Courses

Computer Information Systems:

Associate of Applied Science (A.A.S.)

CR. No.	COURSE TITLE	CREDITS
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SEMESTER 1

CIS 110	Introduction to Computer Information Systems	4
ENG 119	English I	3
CIS 112	Structured Design	3
BUS 225	Computer Applications in Business	3

SEMESTER TOTAL13

SEMESTER 2

CIS 203	Visual Basic Programming Language	3
Elective:	Humanities	3
CIS 241	Internet Foundations	4
Elective:	English	3

SEMESTER TOTAL13

SEMESTER 3

CIS 207	Java Programming Language	4
MAT 113	Intermediate Algebra	3
Elective:	CIS	3
PS 101	American Government	3

SEMESTER TOTAL13

SEMESTER 4

CIS 209	C Programming Language	4
SPH 101	Fundamentals of Speech	3
CIS 210	Introduction to Operating Systems	3
Elective:	Social Science	3

SEMESTER TOTAL13

SEMESTER 5

CIS 212	Linux	4
Elective:	Natural Science w/Lab	4

SEMESTER TOTAL8

CIS A.A.S. PROGRAM TOTAL60

Note: Program total hours may not include prerequisites.