

2021-22 ACADEMIC PROGRAMS

INFORMATION SYSTEMS: PROGRAMMING IN C++ (ASISPC)

Associate in Science

This associate degree program prepares students to transfer to complete a bachelor's degree in Computer Science or a in Business Administration with a major in Computer Information Systems (CIS). Undergraduates and graduates of CIS programs are prepared to:

- create and maintain information systems for organizations,
- manage information systems projects, and
- develop strategies for effective use of enterprise information resources.

Student who complete this program may choose to transfer to many four year colleges and universities including Davenport University, Eastern Michigan University, and the University of Michigan.

This is a **high demand, high skill** and **high wage** program as defined by the [Michigan Community College Network](#).

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Description

This program prepares students to transfer to complete a bachelor's degree in Business Administration with a major in Computer Information Systems. Undergraduates and graduates of CIS programs are prepared to create and maintain information systems for organizations, manage information systems projects, and develop strategies for effective use of enterprise information resources.

Articulation

Eastern Michigan University, BBA degree and several BS degrees;
Madonna University BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Admissions Requirements

Students need an Academic Math Level of 4 to enroll in MTH 176.

Course Requirements

First Semester

Class	Title	Minimum Credits
	Nat. Sci. Elective(s)	3
ENG 111	Composition I	4
	Speech/Comp. Elective(s) 2	3
CPS 171	Introduction to Programming with C++	4
Total		14

Second Semester

Class	Title	Minimum Credits
CIS 120	Linux/UNIX I: Fundamentals	3
CPS 271	Object Features of C++	4
	MTH 176 or higher 4 credit math course	4
	Arts/Human. Elective(s) 1	3
	Soc. Sci. Elective(s) 1	3
Total		17

Third Semester

Class	Title	Minimum Credits
CPS 272	Data Structures with C++	4
CPS 276	Web Programming Using PHP and MySQL	4
	Soc. Sci. Elective(s) 2	3
	Nat. Sci. Lab Elective(s)	3
Total		14

Fourth Semester

Class	Title	Minimum Credits
CPS 298	Professional Team Programming	4
	Arts/Human. Elective(s) 2	3
	Students must complete 100-level or above transferrable course(s) to reach a minimum of 60 credits. Possible CIS/CPS electives include: CIS 221, CIS 282, CPS 161, CPS 251, CPS 261, CPS 278	7

	General Education Elective(s) (0-1 credits) to reach a minimum 30 General Education Credits	1
Total		15

Total Credits Required: 60

Footnotes

See an advisor to choose courses that meet the requirements of the program to which you are transferring.

This course sequencing aligns with students starting in the Fall semester. Students starting the Winter semester should switch the order in which they take CPS 272 and CPS 276.

Accurate as of 12/08/2021 Information is subject to change without notice.