

2024-25 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
CIS 120	Linux/UNIX I: Fundamentals	3
CPS 171	Introduction to Programming with C++	4
ENG 111	Composition I	4
Elective	MTH 176 or higher 4 credit math course	4
Total		15

Second Semester

Class	Title	Minimum Credits
CPS 271	Object Features of C++	4
Elective	Speech/Comp. Elective(s) 2	3
Elective	Nat. Sci. Elective(s)	3
Elective	Soc. Sci. Elective(s) 1	3
Elective	Arts/Human. Elective(s) 1	3
Total		16

Third Semester

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

Fourth Semester

Class	Title	Minimum Credits
CPS 298	Professional Team Programming	4
Elective	Arts/Human. Elective(s) 2	3
Elective	General Education and/or open elective(s) to reach a minimum of 30 General Education and 60 total credits.*	8
Total		15

Total Credits Required: 60

Footnotes

*Possible CIS/CPS electives include: CIS 282, CPS 161, CPS 251, CPS 261, CPS 278

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

Accurate as of 07/12/2024 Information is subject to change without notice.