

# University of Michigan - Flint

# 2019-2020 Catalog

## Computer Information Systems Program (BS)

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[Computer Science \(CSC\) Department information](#)

### Prerequisites

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Either

- [CIS 128 - Introduction to Computer Information Systems I](#) (3)

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- [CIS 151 - Spreadsheet Software](#) (2), and
- [CIS 152 - Database Management Software](#) (2).
- [CIS 263 - Introduction to Web Design](#) (3)

### Requirements

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#### A. Mathematics

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- [MTH 111 - College Algebra](#) (3).
- [MTH 118 - Calculus for Management and Social Sciences](#) (4)

#### B. Foundations of Programming

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One from:

- [CIS 170 - COBOL Programming](#) (3)
- [CIS 173 - Visual BASIC for Windows](#) (3)

- [CSC 175 - Problem Solving and Programming I](#) (4)

One from:

- [CSC 275 - Problem Solving and Programming II](#) (4).
- [CSC 276 - Problem Solving and Programming II in Java](#) (4). (recommended)

#### C. Core Courses

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- [CSC 127 - Using a Unix Computer System](#) (1).
- [CIS 200 - Foundations of Information Systems](#) (3).
- [CIS 250 - Fundamentals of Systems Analysis and Design](#) (3).
- [CIS 300 - Enterprise Architecture](#) (3).

- [CIS 314 - Computer Ethics](#) (3)
- [CIS 350 - Information Systems Strategy, Management and Acquisition](#) (3).
- [CIS 360 - Information Technology Hardware and Software](#) (3).
- [CSC 310 - Human-Computer Interaction](#) (3).
- [CSC 325 - Object-Oriented Applications Programming Experience](#) (3).
- [CSC 335 - Computer Networks I](#) (3).
- [CSC 382 - Software Engineering](#) (3).
- [CSC 383 - Project Management](#) (3).
- [CSC 384 - Database Design](#) (3).
- [CIS 483 - Information Systems Design Project](#) (3)

Grades of C (2.0) or better required in at least five of: CIS 314, CIS 360, CSC 310, CSC 335, CSC 382, CSC 383, CSC 384.

## D. Economics

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- [ECN 201 - Principles of Economics \(Macroeconomics\)](#) (3)
- [ECN 202 - Principles of Economics \(Microeconomics\)](#) (3)

## E. Supply Chain Management

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- [SCM 211 - Business Statistics](#) (3)
- [SCM 313 - Introduction to Management Science](#) (3).
- [SCM 371 - Operations Management](#) (3).

## F. Electives

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Twelve additional credits at the 300 level or above, to include:

- Up to 3 credits in ACC, BUS, MKT or SCM courses.
- The remaining credits in CIS and/or CSC (courses excluding CSC 365 and CSC 391).

## G. Additional Requirements

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All requirements of the [College of Arts and Sciences \(CAS\) Bachelor of Science](#) degree, including [General Education requirements](#).

**Minimum Credits for the Degree:** 124 credits

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