

# Information Systems

Grand Valley State University 2021-22 Catalog

MTH 110 Placement – 4 year program

## Secondary Admission Criteria

1) Overall GPA of 2.5 or above in all Grand Valley State University coursework.

2) Completion of each course in the Information Systems foundation with a grade of C (2.0) or above. Foundation courses are designated by an asterisk (\*) on this guide.

3) GPA of 2.5 or above in the Information Systems foundation.

## 1st Semester Fall: 14 credits

MTH 110	Algebra	4 credits
WRT 150	Writing Strategies	4 credits
	OR WRT 120/WRT 130 (may change timeline)	
*COM 201	Speech	3 credits
General Education Course		3 credits

## 2nd Semester Winter: 13.5 credits

*MTH 125	Survey of Calculus	3 credits
*CIS 160	Learn to Code in Python	3 credits
*CIS 230	Hardware and Software	3 credits
CIS 221	Excel Concepts and App.	1.5 credits
General Education Course		3 credits

## 3rd Semester Fall: 16 credits

*CIS 162	Computer Science I	4 credits
*STA 215	Intro Applied Statistics	3 credits
CIS 250	Principles of Info Sys.	3 credits
ACC 212	Principles of Fin. Acc.	3 credits
CIS 238	Internet Med. & Program	3 credits

## 4th Semester Winter: 16 credits

CIS 260	App. Development in VB	4 credits
ACC 213	Principles of Mgr Acc.	3 credits
CIS 333	DB Mgt & Implement.	3 credits
CIS 290	Prof Resp & Practices	3 credits
General Education Course		3 credits

## 5th Semester Fall: 15 credits

BUS 201	Legal Env. for Business	3 credits
CIS 337	Network Sys. Mgt.	3 credits
MGT 300	Fund. Of Mgt for Non-Business Majors	
OR 331	Managing People & Org	3 credits
MKT 300	Fund. of Mkt. for Non-Business Majors	
OR 350	Marketing Management	3 credits
WRT 350	Business Communication	3 credits

## 6th Semester Winter: 15-16 credits

CIS 330	Sys. Analysis and Design	3 credits
CIS 358	Information Assurance	3 credits
CIS Track Elective		3-4 credits
ECO 210	Macroeconomics	3 credits
OR ECO 211	Microeconomics	
General Education Course		3 credits

## Spring/Summer Semester: 5-8 credits

CIS 490	Internship	2-5 credits
General Education Course		3 credits

## 7th Semester Fall: 15-16 credits

CIS 450	IS Project Management	3 credits
CIS 460	Mgt of Info Systems	3 credits
CIS Track Elective		3-4 credits
General Education Courses (Select 2)		6 credits

## 8th Semester Winter: 15-16 credits

CIS 463	Info Systems Project	3 credits
FIN 300	Fund. of FIN for Non-Bus Majors	
OR FIN 320	Managerial Finance	3 credits
CIS Track Elective		3-4 credits
General Education Courses (Select 2)		6 credits

**Important Note:** In order to complete the IS major on this timeline, students must take the critical sequence for the IS degree as follows:

- 1) **CIS 250** and **CIS 162** must be taken before **CIS 330** and **CIS 333**.
- 2) **CIS 330** and **CIS 333** must be taken before **CIS 450**.
- 3) **CIS 450** must be completed before **CIS 463**.

It is important to meet with a professional advisor in the PCEC Advising Center on a regular basis. The PCEC Advising Center is located in B-3-241 Mackinac Hall and 101 Eberhard Center. Please call 616-331-6025 or go online at [www.gvsu.edu/pcec/advising](http://www.gvsu.edu/pcec/advising) to schedule an appointment.

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## Track Electives (Choose 1 of the following tracks)

Take **3** courses from within selected track:

- 1) **Software Development:** CIS 443 and choose two from CIS 241, CIS 253, CIS 371, and CIS 163.
- 2) **Network Management:** CIS 437, CIS 458, **AND** (CIS 338 **OR** CIS 375)
- 3) **Data Analysis:** CIS 320, CIS 331, **AND** (CIS 335 **OR** CIS 365)
- 4) **IS Specialization:** A list of nine-credit hours to customize a concentration in specialized areas to complement the student's program goals. The selection of this option and a list of three courses must be approved prior to courses being taken in the track. Courses in the core cannot be counted again in this IS specialization track.

## General Education

<u>Category</u>	<u>Completed?</u>	<u>Category</u>	<u>Completed?</u>	<u>Category</u>	<u>Completed?</u>	<u>Category</u>	<u>Completed?</u>
Physical Sciences		Mathematical Sciences (MTH 125)		Global Perspectives		Writing (WRT 130 or 150)	
Life Sciences		Social & Behavioral Sciences (ECO 210/211)		U.S. Diversity		SWS #1	
Philosophy & Literature		Social & Behavioral Sciences		Issues (CIS 358)		SWS #2	
Arts		Historical Perspectives		Issues			

- 1) Consider taking a course that fulfills the U.S. Diversity category and one non-ECO Social and Behavioral Science course.
- 2) ECO 210 or 211 is required for the information systems major AND fulfills one Social and Behavioral Science course.
- 3) CIS 358 is required for the information systems major AND fulfills one Issues course.
- 4) Consider taking a course that fulfills the Global Perspectives category and one Issues course.
- 5) Two Supplemental Writing Skills (SWS) courses are required for graduation. These can be fulfilled via other general education categories.

### PCEC Advisors

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