

Information Technology

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 Technology foundation with a grade of C or above. Foundation courses are designated by an asterisk (*) on this guide.

3) GPA of 2.5 or above in the Information Technology 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)		
CIS 150	Intro to Computing	3 credits
General Education Course		3 credits

2nd Semester Winter: 15 credits

*MTH 125	Survey of Calculus	3 credits
*CIS 160	Learn to Code in Python	3 credits
*STA 215	Intro Applied Statistics	3 credits
*COM 201	Speech	3 credits
General Education Course		3 credits

3rd Semester Fall: 16 credits

*CIS 162	Computer Science I	4 credits
CIS 230	Hardware and Software	3 credits
CIS 231	Prob Solv. Using S/S	3 credits
MGT 268	Bus. Prcs Mgt Info Sys.	3 credits
General Education Course		3 credits

4th Semester Winter: 15 credits

CIS 238	Internet Med. & Program	3 credits
CIS 333	DB Mgt & Implement.	3 credits
CIS 337	Network Sys. Mgt.	3 credits
STA 216	Intermed Applied Stats	3 credits
CIS 290	Prof Resp & Practices	3 credits

5th Semester Fall: 15 credits

CIS 331	Data Ansys Tools & Tech	3 credits
CIS 338	WAN Engineering	3 credits
CIS 368	Usability Design & Eval	3 credits
CIS 458	System Security	3 credits
General Education Course		3 credits

6th Semester Winter: 16-17 credits

CIS 358	Information Assurance	3 credits
CIS 437	Distributed Computing	4 credits
CIS 373	Pervasive Computing	3 credits
WRT 350	SWS Bus Comm	3 credits
CIS Elective		3-4 credits

Spring/Summer Semester: 8-11 credits

CIS 490	Internship	2-5 credits
General Education Courses (Select 2)		6 credits

7th Semester Fall: 15-17 credits

CIS 430	Comp. & Cyber Forensics	3 credits
CIS Electives (Select 2)		6-8 credits
General Education Courses (Select 2)		6 credits

8th Semester Winter: 15-17 credits

CIS 462	IT Project	3 credits
CIS Electives (Select 2)		6-8 credits
General Education Courses (Select 2)		6 credits

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 to schedule an appointment.

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Major Notes

- 1) CIS 358 and CIS 331 require Junior-level standing. Both classes are part of the Issues category within the General Education program. Students will still need to take one non-CIS Issues course to fulfill that category.

Track Electives (Choose 1 of the following tracks)

Take **3** courses from within selected track. You must take an additional two courses from any track that you did not select:

- 1) **Data Management and Visualization:** CIS 320, CIS 335, and CIS 360
- 2) **Software Development:** CIS 260, CIS 330, and CIS 443
- 3) **Web and Mobile Applications:** CIS 260, CIS 357, and CIS 371
- 4) **IT Management:** CIS 330, CIS 450, and CIS 460
- 5) **IT Specialization:** A list of nine credit hours to be chosen by the student to customize their concentration in specialized areas to complement the students' program goals and approved by an advisor.

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		U.S. Diversity		SWS #1	
Philosophy & Literature		Social & Behavioral Sciences		Issues (CIS 331 or 358)		SWS #2	
Arts		Historical Perspectives		Issues			

- 1) Consider taking a course that fulfills the U.S. Diversity category and one Social and Behavioral Science course
- 2) Consider taking a course that fulfills the Global Perspectives category and one Issues course
- 3) 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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