

Cybersecurity

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 Cybersecurity 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 Cybersecurity 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)		
General Education Courses (Select 2)		6 credits

2nd Semester Winter: 13 or 15 credits

MTH 122 or 124	College Algebra/Precalc	3 or 5 credits
*CIS 162	Computer Science 1	4 credits
*STA 215	Intro Applied Statistics	3 credits
*COM 201	Speech	3 credits

3rd Semester Fall: 16 credits

CIS 337	Network Systems Mgt	3 credits
*CIS 258	Intro to Cybersecurity	3 credits
CIS 163	Computer Science 2	4 credits
*MTH 225	Discrete Structures: CS	3 credits
General Education Course		3 credits

4th Semester Winter: 16 credits

CIS 241	Sys-level Program & Util	3 credits
CIS 350	Intro to Software Egr	3 credits
CIS 351	Comp Org & Assy Lang	4 credits
CIS 375	Wireless Net & Security	3 credits
CIS 290	Prof Resp & Practices	3 credits

5th Semester Fall: 15 credits

CIS 331	Data Ansys Tools & Tech	3 credits
CIS 353	Database	3 credits
CIS 458	System Security	3 credits
CIS 358	Information Assurance	3 credits
CJ 315	Principles of Security	3 credits

6th Semester Winter: 16-17 credits

CJ 335	Digital C, M & C	3 credits
CIS 437	Distributed Computing	4 credits
CIS 456	Rev Egr & Malware Ansys	3 credits
Cybersecurity Elective		3-4 credits
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 credits

CIS 418	Secure Software Egr	3 credits
CIS 430	Comp & Cyber Forensics	3 credits
CIS 455	Applied Cryptography	3 credits
WRT 350	Business Communications	3 credits
General Education Course		3 credits

8th Semester Winter: 15-16 credits

CIS 468	Cybersecurity Project	3 credits
Cybersecurity Elective		3-4 credits
General Education Courses (Select 3)		9 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 101 Eberhard Center or B-3-241 Mackinac Hall. 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 331, CIS 358 and CJ 335 also fulfill Issues requirements in general education.

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 122 or 124)		Global Perspectives		Writing (WRT 130 or 150)	
Life Sciences		Social & Behavioral Sciences		U.S. Diversity		SWS #1	
Philosophy & Literature		Social & Behavioral Sciences		Issues (CJ 335)		SWS #2	
Arts		Historical Perspectives		Issues (CIS 331)			

- 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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