Cybersecurity
Grand Valley State University 2020-21 Catalog
MTH 124 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 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: 16 credits

MTH 124	Precalculus: Functions & Models
WRT 150	Writing Strategies
OR WRT 120/WRT 130 (may change timeline)	
*CIS 162	Computer Science 1
*STA 215	Introductory Applied Statistics

2nd Semester Winter: 16 credits

*CIS 258	Introduction to Cybersecurity
CIS 163	Computer Science 2
*COM 201	Speech
*MTH 225	Discrete Structures: Computer Science
General Education Course	

3rd Semester Fall: 15 credits

CIS 241	System-level Programming and Utilities
CIS 337	Network Systems Management
CIS 290	Professional Responsibilities and Practices
CJ 315	Principles of Security
General Education Course	

4th Semester Winter: 14-15 credits

CIS 350	Introduction to Software Engineering
CIS 351	Computer Organization and Assembly Language
CIS 375	Wireless Networks and Security
General Education Course	

5th Semester Fall: 15 credits

CIS 331	Data Analysis Tools and Techniques
CIS 353	Database
CIS 458	System Security
CIS 358	Information Assurance
General Education Course	

6th Semester Winter: 13-14 credits

CJ 335	Digital Crime, Media and Culture
CIS 437	Distributed Computing
CIS 456	Reverse Engineering and Malware Analysis
Cyber Elective	

Spring/Summer Semester: 5-8 credits

CIS 490	Internship
General Education Course	

7th Semester Fall: 15 credits

CIS 418	Secure Software Engineering
CIS 430	Computer and Cyber Forensics
CIS 455	Applied Cryptography
WRT 350	Business Communications
General Education Course	

8th Semester Winter: 15-16 credits

CIS 468	Cybersecurity Project
Cyber Elective	
General Education Courses (Select 3)	

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. 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

Category	Completed?	Category	Completed?	Category	Completed?
Physical Sciences		Mathematical Sciences (MTH 124)		Global Perspectives	
Life Sciences		Social & Behavioral Sciences		U.S. Diversity	
Arts		Social & Behavioral Sciences		Issues (CIS 331)	
Philosophy & Literature		Historical Perspectives		Issues (CJ 335)	

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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