

# Cybersecurity

Grand Valley State University 2020-21 Catalog  
MTH 201 Placement – 4 year Honors 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: 17 credits

MTH 201	Calculus 1
*CIS 162	Computer Science 1
*COM 201	Speech
HNR 151	First Year Interdisciplinary Sequence 1
HNR 152	First Year Interdisciplinary Sequence 2

## 2nd Semester Winter: 15 credits

*CIS 258	Introduction to Cybersecurity
*STA 215	Introductory Applied Statistics
*MTH 225	Discrete Structures: Computer Science
HNR 153	First Year Interdisciplinary Sequence 3
HNR 154	First Year Interdisciplinary Sequence 4

## 3rd Semester Fall: 16 credits

CIS 163	Computer Science 2
CIS 337	Network Systems Management
CJ 315	Principles of Security
CIS 290	Professional Responsibilities and Practices
HNR 201	Live. Learn. Lead.

## 4th Semester Winter: 15 credits

CIS 350	Introduction to Software Engineering
CIS 375	Wireless Networks and Security
CIS 241	System-level Programming and Utilities
CIS 353	Database
HNR 200	Campus/Community Engagement

## 5th Semester Fall: 13 credits

CIS 331	Data Analysis Tools and Techniques
CIS 458	System Security
CIS 358	Information Assurance
CIS 351	Computer Organization and Assembly Language

## 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: 2-5 credits

CIS 490	Internship
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## 7th Semester Fall: 15 credits

CIS 418	Secure Software Engineering
CIS 430	Computer and Cyber Forensics
CIS 455	Applied Cryptography
WRT 350	Business Communications
Free Elective	

## 8th Semester Winter: 12-13 credits

CIS 468	Cybersecurity Project
Cyber Elective	
HNR 350	Honors Integrative Seminar
Free Elective	

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](http://www.gvsu.edu/pcec/advising) to schedule an appointment.

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## Honors

The Frederik Meijer Honors College and the School of Computing and Information Systems have approved the following substitutions for the honors curriculum:

- 1) CIS 331 fulfills the HNR 251 requirement.
- 2) CIS 468 fulfills the HNR 401 and HNR 499 requirements.

Students are encouraged to plan ahead and submit a proposal for how they plan to fulfill the HNR 200 requirement. All students must complete 3 credits of HNR 200 before graduation. It can be taken as a 1-credit, 2-credit, or 3-credit course. There are three options for fulfilling this honors requirement: **pre-approved activity**, **pre-approved course substitution**, or **an activity or course**. Please work with an honors advisor to determine the best fit for you.

## PCEC Advisors

Elizabeth Brand, [brandeli@gvsu.edu](mailto:brandeli@gvsu.edu)  
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