

# Cybersecurity

Grand Valley State University 2020-21 Catalog  
MTH 201 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: 15 credits

MTH 201      Calculus 1  
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: 16-17 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: 16-17 credits

CIS 350      Introduction to Software Engineering  
CIS 351      Computer Organization and Assembly Language  
CIS 375      Wireless Networks and Security  
General Education Courses (Select 2)

## 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: 2-5 credits

CIS 490      Internship

## 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](http://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>
Physical Sciences		Mathematical Sciences (MTH 201)		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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