

Cybersecurity

Grand Valley State University 2021-22 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

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|----------|--------------------------|-----------|
| MTH 201 | Calculus 1 | 4 credits |
| *CIS 162 | Computer Science 1 | 4 credits |
| *COM 201 | Speech | 3 credits |
| HNR 151 | Interdisciplinary Seq. 1 | 3 credits |
| HNR 152 | Interdisciplinary Seq. 2 | 3 credits |

2nd Semester Winter: 15 credits

| | | |
|----------|--------------------------|-----------|
| *CIS 258 | Intro to Cybersecurity | 3 credits |
| *STA 215 | Intro Applied Statistics | 3 credits |
| *MTH 225 | Discrete Structures: CS | 3 credits |
| HNR 153 | Interdisciplinary Seq. 3 | 3 credits |
| HNR 154 | Interdisciplinary Seq. 4 | 3 credits |

3rd Semester Fall: 16 credits

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|---------|------------------------|-----------|
| CIS 163 | Computer Science 2 | 4 credits |
| CIS 290 | Prof Resp & Practices | 3 credits |
| CIS 337 | Network Systems Mgt | 3 credits |
| CJ 315 | Principles of Security | 3 credits |
| HNR 201 | Live. Learn. Lead. | 3 credits |

4th Semester Winter: 15 credits

| | | |
|---------|--------------------------|-----------|
| CIS 241 | Sys-level Program & Util | 3 credits |
| CIS 350 | Intro to Software Egr | 3 credits |
| CIS 353 | Database | 3 credits |
| CIS 375 | Wireless Net & Security | 3 credits |
| HNR 200 | C/C Engagement | 3 credits |

5th Semester Fall: 13 credits

| | | |
|---------|------------------------|-----------|
| CIS 331 | Data Anal Tools & Tech | 3 credits |
| CIS 351 | Comp Org & Assy Lang | 4 credits |
| CIS 358 | Information Assurance | 3 credits |
| CIS 458 | System Security | 3 credits |

6th Semester Winter: 13-14 credits

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

Spring/Summer Semester: 2-5 credits

| | | |
|---------|------------|-------------|
| CIS 490 | Internship | 2-5 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 |
| Free Elective | | 3 credits |

8th Semester Winter: 12-13 credits

| | | |
|------------------------|-----------------------|-------------|
| CIS 468 | Cybersecurity Project | 3 credits |
| Cybersecurity Elective | | 3-4 credits |
| HNR 350 | Integrative Seminar | 3 credits |
| Free Elective | | 3 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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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

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