Grand Valley State University
College of Computing

Bachelor of Science (B.S.)

Cybersecurity

Honors College: MTH 201 Start

Secondary Admission Required

2024 – 2025 Catalog Year

1st Year

Fall		Winter		Spring/Summer
MTH 201: Calculus	4	*CIS 258: Intro to Cybersecurity	3	
*CIS 162: Computer Science 1	4	*STA 215: Intro Applied Statistics	3	
*COM 201: Speech	3	* MTH 225: Discrete Structures: CS	3	
HNR 151: Interdisciplinary Sequence 1	3	HNR 153: Interdisciplinary Sequence 3	3	
HNR 152: Interdisciplinary Sequence 2	3	HNR 154: Interdisciplinary Sequence 4	3	
		APPLY FOR SECONDARY ADMISSION AFTER GRADES ARE POSTED IN BANNER		
Total	**17**	**Total**	**15**	

2nd Year ~ Admission Required

Fall		Winter		Spring/Summer
CIS 163: Computer Science 2	3	CIS 241: System Level Programming & Utility	3	
CIS 337: Network Systems Management	3	CIS 350: Intro to Software Engineering	3	
CIS 290: Professional Resp & Practices	3	CIS 375: Wireless Network and Security	3	
CJ 315: Principles of Security	3	CIS 353: Database	3	
HNR 201: Live. Learn. Lead.	3	HNR 300: Campus and Community Engagement	3	
Total	**15**	**Total**	**15**	

3rd Year ~ Admission Required

Fall		Winter		Spring/Summer	
CIS 331: Data Analysis Tools & Technology	3	CJ 335: Digital Crime, Media and Culture	3	CIS 490: Internship	2-5
CIS 351: Computer Org and Assembly Lang	3	CIS 437: Distributed Computing	4		
CIS 358: Information Assurance	3	CIS 456: Reverse EGR and Malware Analysis	3		
CIS 458: System Security	3	CIS 455: Applied Cryptography	3		
Total	**12**	**Total**	**13**	**Total**	**2-5**

4th Year ~ Admission Required

Fall		Winter		Spring/Summer
CIS 418: Secure Software Engineering	3	CIS 468: Cybersecurity Project	3	
CIS 430: Computer and Cyber Forensics	3	Cybersecurity Elective	3-4	
Cybersecurity Elective	3	HNR 350: Integrative Seminar	3	
WRT 350: Business Communication (SWS)	3	Free Elective	3	
Free Elective	3			
Total	**15**	**Total**	**12-13**	

- This is a suggested curriculum guide that might not be applicable to every student
- Technical Core courses are required for secondary admission and are designated by an asterisk (*) on this guide
- Student must have a **minimum of 120 credits** to graduate, with **58 of the 120 credits** being from a senior level institution and the **final 30 of the 120 credits** completed at GVSU

College of Computing Advising Center
B-3-241 Mackinac Hall
616-331-2310 or online at www.gvsu.edu/computing/advising

Cybersecurity Technical Core Requirements		
CIS 162	CIS 258	COM 201
MTH 225	STA 215 (or STA 312)	
It is important to apply for secondary admission AFTER your grades for your ALL of your Technical Core Requirements are posted in Banner. You will not be able to register for any upper division course work that requires secondary admission until you've been admitted into your major. If you delay this process, it could impact your graduation timeline.		

Honors Requirements	
HNR 151	HNR 152
HNR 153	HNR 154
HNR 300	HNR 201
HNR 251 (fulfilled via CIS 331)	HNR 350
HNR 401/499 (fulfilled via CIS 468)	

Secondary Admission Requirements:

Detailed application and admission requirements available at https://www.gvsu.edu/computing/secondary-admission-40.htm

- ✓ Overall GPA of 2.5 or above in all Grand Valley State University course work.
- ✓ Completion of each course in the Technical Core with a grade of C (2.0) or above. Technical Core courses are designated by an asterisk (*) on this guide.
- ✓ GPA of 2.5 or above in the Cybersecurity Technical Core course work.

Major Notes:

1) CIS 490 can be taken as 2-5 credits. Students will work with the Computing Internship Coordinator to determine the best amount of credits for them.

Honors:

The Frederik Meijer Honors College and the College of Computing 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.
3) All GVSU students must earn credit for two Supplemental Writing Skills (SWS) courses. Honors students can earn credit for one SWS course by completing HNR 154 (the winter semester of a first-year sequence) with a grade of C or better. They must earn their second SWS course credit outside of the Honors 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.