

Bachelor of Science (B.S.)

2022 – 2023 Catalog Year

Information Technology

Honors College: MTH 125 Start, 4 Year Plan

Secondary Admission Required

		1st Year					
Fall		Winter		Spring/Summer			
*MTH 125: Survey of Calculus	3	*COM 201: Speech	3				
CIS 150: Intro to Computing	3	*CIS 162: Computer Science I					
*CIS 160: Learn to Code in Python	3	*STA 215: Intro Applied Statistics					
HNR 151: Interdisciplinary Sequence 1	3	HNR 153: Interdisciplinary Sequence 3					
HNR 152: Interdisciplinary Sequence 2	3	, , ,					
Total	15	Total	16				
2nd Year							
Fall		Winter		Spring/Summer			
CIS 231: Prblm Solving Using Spreadsheets	3	CIS 333: Database Mgt and Implementation	3				
CIS 238: Internet Media and Programming	3	CIS 337: Network Systems Management					
CIS 230: Hardware and Software	3	CIS 290: Professional Responsibilities & Practices					
MGT 268: Bus Processes and MIS	3	STA 216: Intermediate Applied Statistics					
HNR 201: Live. Learn. Lead.	3	HNR 200: Campus and Community Engagement	3				
Total	15	Total	15				
		3rd Year ~ Admission Required					
Fall	_	Winter	2	Spring/Summer			
CIS 331: Data Analysis Tools & Technology	3	CIS 358: Information Assurance	3 4	CIS 490: Internship 2-5			
CIS 338: WAN Engineering	3	CIS 437: Distributed Computing					
CIS 368: Usability Design and Evaluation	3	CIS 373: Pervasive Computing					
CIS 458: System Security	3	WRT 350: Business Communication					
CIS Elective	3	CIS Elective	3				
Total	15	Total	16	Total 2-5			
		4th Year ~ Admission Required					
Fall		Winter		Spring/Summer			
CIS 430: Computer and Cyber Forensics	3	CIS 462: IT Project	3				
CIS Elective	3	CIS Elective					
HNR 350: Integrative Seminar	3	CIS Elective					
Free Elective	3	Free Elective					
Free Elective	3						
Total	15	Total	12				

- 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

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√	Technical Core Requirements	~	Honors Requirements
	CIS 160		HNR 151
	CIS 162		HNR 152
	COM 201		HNR 153
	MTH 125		HNR 154
	STA 215		HNR 200
			HNR 201
			HNR 251 (fulfilled via CIS 331)
	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.		HNR 350
			HNR 401/499 (fulfilled via CIS 462)
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Secondary Admission Requirements:

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

- ✓ Overall GPA of 2.5 or above in all Grand Valley State University course work.
- Completion of each course in the Information Systems 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 Information Technology Technical Core course work.

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 462 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.

Major Notes:

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

Track Electives (Choose 1 of the following tracks):

Take 3 courses from within selected track. You must take an additional two courses from any track that you did not select:

- 1) Data Management and Visualization: CIS 320, CIS 335, and CIS 360
- 2) Software Development: CIS 260, CIS 330, and CIS 443
- 3) Web and Mobile Applications: CIS 260, CIS 357, and CIS 371
- 4) **IT Management:** CIS 330, CIS 450, and CIS 460
- 5) **IT Specialization:** A list of nine credit hours to be chosen by the student to customize their concentration in specialized areas to complement the students' program goals and approved by a faculty advisor.