

Bachelor of Science (B.S.)  
**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 231: Prblm Solving Using Spreadsheets 3	*CIS 260: App Development in Visual Basic 4	
*CIS 162: Computer Science I 4	*STA 215: Intro Applied Statistics 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	
	<i>APPLY FOR SECONDARY ADMISSION AFTER GRADES ARE POSTED IN BANNER</i>	
<b>Total 16</b>	<b>Total 16</b>	
2nd Year		
Fall	Winter	Spring/Summer
CIS 231: Prblm Solving Using Spreadsheets 3	CIS 333: Database Mgt and Implementation 3	
CIS 250: Principles of Information Mgt 3	CIS 337: Network Systems Management 3	
CIS 230: Hardware and Software 3	CIS 290: Professional Responsibilities & Practices 3	
CIS 238: Internet Media and Programming 3	MTH 225: Discrete Structures 3	
HNR 201: Live. Learn. Lead. 3	HNR 300: Campus and Community Engagement 3	
<b>Total 15</b>	<b>Total 15</b>	
3rd Year ~ Admission Required		
Fall	Winter	Spring/Summer
CIS 331: Data Analysis Tools & Technology 3	CIS 358: Information Assurance 3	CIS 490: Internship 2-5
CIS 368: Usability Design and Evaluation 3	CIS 437: Distributed Computing 4	
CIS 458: System Security 3	CIS 373: Pervasive Computing 3	
CIS 450: IS Project Management 3	WRT 350: Business Communication 3	
CIS 338: WAN Engineering 3	CIS Elective 3	
<b>Total 15</b>	<b>Total 16</b>	<b>Total 2-5</b>
4th Year ~ Admission Required		
Fall	Winter	Spring/Summer
CIS 430: Computer and Cyber Forensics 3	CIS 462: IT Project 3	
HNR 350: Integrative Seminar 3	CIS Elective 3	
CIS Elective 3	CIS Elective 3	
CIS Elective 3	Free Elective 3	
Free Elective		
<b>Total 15</b>	<b>Total 12</b>	

- 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



# Bachelor of Science (B.S.)

## Information Technology

### Honors College: MTH 125 Start, 4 Year Plan

Secondary Admission Required

2023 – 2024  
Catalog Year

Technical Core Requirements		
CIS 162	CIS 260	COM 201
MTH 125	STA 215	
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 462)	

#### 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 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.
- 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.

#### 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 163 or CIS 241, CIS 330, CIS 443
- 3) **Web and Mobile Applications:** CIS 163 or CIS 241, CIS 357, CIS 371
- 4) **IT Management:** CIS 330, MGT 300 or MTH 331, CIS 460
- 5) **Cybersecurity:** CIS 375, CIS 453, CIS 455
- 6) **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 an advisor.