

Bachelor of Science (B.S.)
Information Systems
 Honors College: MTH 122 Start

2026 – 2027
 Catalog Year

1st Year					
Fall		Winter		Summer	
COM 201: Speech	3	CIS 260: App Development in Visual Basic	4		
MTH 122: College Algebra	3	CIS 230: Hardware and Software	3		
CIS 162: Computer Science 1	4	HNR 153: Interdisciplinary Sequence 3	3		
HNR 151: Interdisciplinary Sequence 1	3	HNR 154: Interdisciplinary Sequence 4	3		
HNR 152: Interdisciplinary Sequence 2	3	CIS 100: Computing Exploration Seminar	1		
Total	16	Total	14		
2nd Year					
Fall		Winter		Summer	
CIS 250: Principles of Information Systems	3	MGT 300: Fund. of Mgt for Non-Bus Majors	3		
CIS 238: Internet Media and Programming	3	CIS 337: Network Systems Management	3		
CIS 231: Prob Solving using Spreadsheets	3	CIS 290: Prof Responsibilities & Practices	3		
STA 215: Intro to Applied Statistics	3	HNR Elective: HNR 250 or 351	3		
ACC 201: Acct for Non-Business Majors 1	1.5	ACC 202: Acct for Non-Business Majors 2	1.5		
Total	13.5	Total	13.5		
3rd Year					
Fall		Winter		Summer	
CIS 333: Database Mgt and Implementation	3	CIS 360: Info Management and Science	3	CIS 490: Internship	2-5
CIS 330: Systems Analysis and Design	3	CIS 358: Information Assurance	3		
MKT 300: Fund. of Mkt for Non-Bus Majors	3	WRT 350: Business Communication	3		
ECO 201: Intro to Microeconomics	3	Track Elective	3		
HNR 300: Campus/Community Engagement	3	Free Elective	3		
Total	15	Total	15	Total	2-5
4th Year					
Fall		Winter		Summer	
CIS 450: IS Project Management	3	CIS 463: Information Systems Project	3		
CIS 460: Management of Info Systems	3	FIN 300: Fund. of Finance for Non-Bus Majors	3		
Track Elective	3	Track Elective	3		
HNR 350: Integrative Seminar	3	CIS 437: Cloud Computing	3		
Free Elective	3	Free Elective	3		
Total	15	Total	15		

- This is a suggested curriculum guide that might not be applicable to every student
- This suggested course sequence is intended as a general guide and may need to be adjusted based on course availability
- Student must have a **minimum of 120 credits** to graduate, with **58 of the 120 credits** being from a senior level institution and **18 of the last 30 credits** completed at GVSU

Honors Requirements	
HNR 151	HNR 152
HNR 153	HNR 154
HNR 300	HNR Elective: HNR 250 or 351
HNR 251 (fulfilled via CIS 333)	HNR 350
HNR 401/499 (fulfilled via CIS 463)	

Honors Notes:

The Frederik Meijer Honors College and the School of Computing and Information Systems have approved the following substitutions for the honors curriculum:

- 1) CIS 333 fulfills the HNR 251 requirement.
- 2) CIS 463 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.

Major Notes:

- 1.) In order to complete the IS major on this timeline, students must take the critical sequence for the IS degree as follows:
 - a. **CIS 250** and **CIS 162** must be taken before **CIS 330** and **CIS 333**.
 - b. **CIS 330** and **CIS 333** must be taken before **CIS 450**.
 - c. **CIS 450** must be completed before **CIS 463**.
- 2.) CIS 490 can be taken as 2-5 credits. Students will work with CIS Internship Coordinator to determine the best number of credits for them.
- 3.) It is highly encouraged for students to "double dip" their general education requirements when possible.
 - a. Consider taking a course that fulfills the U.S. Diversity category and one Social and Behavioral Science course.
 - b. Consider taking a course that fulfills the Global Perspectives category and Historical Analysis category.
- 4.) Two Supplemental Writing Skills (SWS) courses are required for graduation. WRT 350 will fulfill one SWS requirement. The remaining SWS requirement can be fulfilled via a general education category.

Complete 1 of the following Tracks (3 courses, 9 credits total):

Track: Software Development:

Required:

CIS 443: Software Development Tools

Choose 2 of the following:

CIS 241: System-level Programming and Utilities

CIS 253: COBOL

CIS 371: Web App Programming

CIS 163: Computer Science 2

Network Management and Security:

Required:

CIS 338: Wide Area Network Engineering

CIS 375: Wireless Networks and Security

CIS 458: System Security

Data Analysis:

Required:

CIS 320: Visualization of Data and Information

CIS 331: Data Analysis Tools and Techniques

CIS 335: Data Mining

Artificial Intelligence:

Required:

AI 201: Intro to AI

AI 402: Generative AI

Choose 1 of the following:

AI 411: AI Ethics and Bias

CYB 430: Trustworthy AI

Note: If this track is selected, students need to successfully complete 3 of these classes to complete the IS Major requirements. If students complete all 4, they will earn the Artificial Intelligence Foundations Undergraduate Certificate

Enterprise Systems:

Required:

MGT 268: Business Processes & MIS

MGT 351: Enterprise Information Systems

BUS 410 – SAP Certification Preparation

Note: Successfully completing these courses will earn the Badge in ERP for Non-Business Majors

IS Specialization:

A list of nine-credit hours to customize a concentration in specialized areas to complement the student's program goals. The selection of this option and a list of three courses must be approved prior to courses being taken in the track. Courses in the core cannot be counted again in this IS specialization track.