

Bachelor of Science (B.S.) Information Systems

**2023 – 2024
Catalog Year**

Honors College: MTH 125 Start, 4 Year Plan Secondary Admission Required

1st Year		
Fall *COM 201: Speech 3 *MTH 125: Survey of Calculus 3 *CIS 162: Computer Science 1 4 HNR 151: Interdisciplinary Sequence 1 3 HNR 152: Interdisciplinary Sequence 2 3 Total 16	Winter *CIS 260: App Development in Visual Basic 4 *STA 215: Intro to Applied Statistics 3 *CIS 230: Hardware and Software 3 HNR 153: Interdisciplinary Sequence 3 3 HNR 154: Interdisciplinary Sequence 4 3 <i>APPLY FOR SECONDARY ADMISSION AFTER GRADES ARE POSTED IN BANNER</i> Total 16	Spring/Summer
2nd Year		
Fall CIS 250: Principles of Information Systems 3 CIS 238: Internet Media and Programming 3 CIS 231: Prob Solving using Spreadsheets 3 BUS 201: Legal Environment for Business 3 HNR 201: Live Learn Lead 3 Total 15	Winter MGT 300: Fund. of Mgt for Non-Bus Majors 3 CIS 333: Database Mgt and Implementation 3 CIS 290: Professional Responsibilities & Practices 3 HNR 300: Campus and Community Engagement 3 Total 12	Spring/Summer
3rd Year ~ Admission Required		
Fall ACC 212: Principles of Financial Accounting 3 CIS 337: Network Systems Management 3 MKT 300: Fund. of Mkt for Non-Bus Majors 3 WRT 350: Business Communication 3 Free Elective 3 Total 15	Winter CIS 330: Systems Analysis and Design 3 CIS 358: Information Assurance 3 ACC 213: Principles of Managerial Accounting 3 CIS Track Elective 3 Free Elective 3 Total 15	Spring/Summer CIS 490: Internship 2-5 Total 2-5
4th Year ~ Admission Required		
Fall CIS 450: IS Project Management 3 CIS 460: Management of Info Systems 3 CIS Track Elective 3 HNR 350: Integrative Seminar 3 Free Elective 3 Total 15	Winter CIS 463: Information Systems Project 3 FIN 300: Fund. of Finance for Non-Bus Majors 3 CIS Track Elective 3 ECO 210 or 211: Macro or Micro Economics 3 Free Elective 3 Total 15	Spring/Summer

- 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

Information Systems Technical Core Requirements

CIS 162	CIS 260	CIS 230
MTH 125	STA 215 (or STA 312)	COM 201
<p>It is important to apply for secondary admission AFTER your grades for your ALL of your Technical Core Requirements are posted in Banner.</p> <p>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.</p>		

Honors Requirements

HNR 151	HNR 152
HNR 153	HNR 154
HNR 300	HNR 201
HNR 251 (fulfilled via CIS 333)	HNR 350
HNR 401/499 (fulfilled via CIS 463)	

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 Systems Technical Core course work.

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.

Track Electives:

Take **3** courses from within your selected track:

- 1.) **Software Development:** CIS 443 and choose two from CIS 241, CIS 253, CIS 371, and CIS 163.
- 2.) **Network Management:** CIS 437, CIS 458, AND (CIS 338 OR CIS 375)
- 3.) **Data Analysis:** CIS 320, CIS 331, AND (CIS 335 OR CIS 365)
- 4.) **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.

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 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.

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.