Bachelor of Science (B.S.)

Information Technology

MTH 110 Start, 4 Year Plan
Secondary Admission Required

2022 – 2023
Catalog Year

GRAND VALLEY STATE UNIVERSITY
SEYMOUR AND ESTHER PADNOS
COLLEGE OF ENGINEERING
AND COMPUTING

1st Year

Fall		Winter		Spring/Summer
CIS 150: Intro to Computing	3	*MTH 125: Survey of Calculus	3	
MTH 110: Algebra	4	*CIS 160: Learn to Code in Python	3	
WRT 150: Strategies in Writing **or** WRT 120 <u>and</u> WRT 130	4	*STA 215: Intro Applied Statistics	3	
		*COM 201: Speech	3	
General Education	3	General Education	3	
Total	**14**	**Total**	**15**	

2nd Year

Fall		Winter		Spring/Summer
*CIS 162: Computer Science I	4	CIS 238: Internet Media and Programming	3	
CIS 230: Hardware and Software	3	CIS 333: Database Mgt and Implementation	3	
CIS 231: Prblm Solving Using Spreadsheets	3	CIS 337: Network Systems Management	3	
MGT 268: Bus Processes and MIS	3	CIS 290: Professional Responsibilities & Practices	3	
General Education	3	STA 216: Intermediate Applied Statistics	3	
APPLY FOR SECONDARY ADMISSION AFTER GRADES ARE POSTED IN BANNER				
Total	**16**	**Total**	**15**	

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 338: WAN Engineering	3	CIS 437: Distributed Computing	4	General Education	3
CIS 368: Usability Design and Evaluation	3	CIS 373: Pervasive Computing	3	General Education	3
CIS 458: System Security	3	WRT 350: Business Communication	3		
General Education	3	CIS Elective	3		
Total	**15**	**Total**	**16**	**Total**	**8-11**

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	3	
CIS Elective	3	CIS Elective	3	
General Education	3	General Education	3	
General Education	3	General Education	3	
Total	**15**	**Total**	**15**	

- 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

Padnos College of Engineering and Computing ~ Student Services Office
B-3-241 Mackinac Hall and 101 Eberhard Center
(616) 331-6025 or online at www.gvsu.edu/pcec/advising

9/30/2022

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Secondary Admission Required

√	Technical Core Requirements	√	General Education Requirements
	CIS 160		WRT 150: Strategies in Writing (grade of "C" or higher required) **or** WRT 120 and WRT 130
	CIS 162		Life Sciences
	COM 201		Physical Sciences
	MTH 125		Philosophy and Literature
	STA 215		Arts
			Mathematical Sciences (MTH 125)
			Social Behavioral Sciences
It is important to apply for secondary admission AFTER your grades for your ALL of your Technical Core Requirements are posted in Banner.			Social Behavioral Sciences
			Historical Analysis
			U.S. Diversity
			Global Perspectives
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.			2 Supplemental Writing Skills Courses (prerequisite: WRT 130 or 150)
			2 Issues Courses (must have 55+ credits, CIS 331 or 358)

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.

Major Notes:

1) CIS 358 and CIS 331 require Junior-level standing. Both classes are part of the Issues category within the General Education program. Students will still need to take one non-CIS Issues course to fulfill that category.
2) 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.
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 one Issues course.
4) Two Supplemental Writing Skills (SWS) courses are required for graduation. WRT 350 will fulfill one SWS requirement. The remaining SWS requirement can fulfilled via a general education category.

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 an advisor.