Computer Science

Grand Valley State University 2021-22 Catalog
MTH 110 Placement – 4 year program

Secondary Admission Criteria

1) Overall GPA of 2.5 or above in all Grand Valley State University coursework.

2) Completion of each course in the Computer Science foundation with a grade of C or above (C- is not sufficient). Foundation courses are designated by an asterisk (*) on this guide.

3) GPA of 2.5 or above in the Computer Science foundation.

1st Semester Fall: 14 credits

MTH 110	Algebra	4 credits
WRT 150	Writing Strategies	4 credits
OR WRT 120/WRT 130 (may change timeline)		
General Education Courses (Select 2)		6 credits

2nd Semester Winter: 15 credits

MTH 124	Precalculus: F & M	5 credits
*CIS 162	Computer Science 1	4 credits
*STA 215	Intro Applied Statistics	3 credits
General Education Course		3 credits

3rd Semester Fall: 14-15 credits

*CIS 163	Computer Science II	4 credits
*COM 201	Speech	3 credits
*MTH 225	Discrete Structures: CS	3 credits
Sci. Cognate	Options in Major Notes	4-5 credits

4th Semester Winter: 16 credits

MTH 201	Calculus 1	4 credits
MTH 325	Discrete Structures: CS 2	3 credits
CIS 241	Sys-level Program & Util	3 credits
CIS 290	Prof Resp & Practices	3 credits
General Education Course		3 credits

Spring/Summer Semester: 3 credits

General Education Course	3 credits

5th Semester Fall: 16-17 credits

MTH/STA Elec	Options in Major Notes	3-4 credits
CIS 263	Data Struct & Algorithms	3 credits
CIS 350	Intro to Software Egr	3 credits
CIS 351	Comp Org & Assy Lang	4 credits
General Education Course		3 credits

6th Semester Winter: 13-14 credits

CIS 343	Struct of Program Lang	3 credits
CIS 353	Database	3 credits
Sci. Cognate	Options in Major Notes	4-5 credits
Computer Science Elective		3 credits

Spring/Summer Semester: 5-8 credits

CIS 490	Internship	2-5 credits
General Education Course		3 credits

7th Semester Fall: 14 credits

CIS 452	Operating Sys Concepts	4 credits
CIS 457	Data Comm	4 credits
Computer Science Elective		3 credits
General Education Course		3 credits

8th Semester Winter: 15 credits

CIS 467	CS Project	3 credits
WRT 350	Business Comm	3 credits
Computer Science Elective		3 credits
General Education Courses (Select 2)		6 credits

It is important to meet with a professional advisor in the PCEC Advising Center on a regular basis. The PCEC Advising Center is located in B-3-241 Mackinac Hall and 101 Eberhard Center. Please call 616-331-6025 or go online at www.gvsu.edu/pcec/advising to schedule an appointment.

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Major Notes

1) MTH or STA: Please select one of the following courses: MTH 202, MTH 204, MTH 465, STA 216 or STA 418
2) Sci. Cognate: Students may choose from BIO 120, BIO 121, BMS 202, CHM 115, CHM 116, GEO 111, PHY 220, PHY 221, PHY 230 and PHY 231.

General Education

Category	Completed?	Category	Completed?	Category	Completed?	Category	Completed?
Physical Sciences		Mathematical Sciences (MTH 124)		Global Perspectives		Writing (WRT 130 or 150)	
Life Sciences		Social & Behavioral Sciences		U.S. Diversity		SWS #1	
Philosophy & Literature		Social & Behavioral Sciences		Issues		SWS #2	
Arts		Historical Perspectives		Issues			

1) Consider taking a course that fulfills the U.S. Diversity category and one Social and Behavioral Science course.

2) Consider taking a course that fulfills the Global Perspectives category and one Issues course.

3) 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.

4) The Physical Sciences and Life Sciences categories can be met by careful selection of CS science cognate courses. **For example:** BIO 120 and GEO 111 will fulfill the Life Sciences and Physical Sciences categories, respectively. Together, they fulfill the CS science cognate requirement.

Recommendations

It is strongly encouraged that students do not begin or break curriculum thread by taking courses at other institutions.

For example:

Taking MTH 201 equivalent elsewhere, then return to Grand Valley and continuing in the math thread with MTH 202.

PCEC Advisors

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