Computer Science

Grand Valley State University 2020-21 Catalog
MTH 201 Placement – 4 year Honors 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 (2.0) or above. 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 201	Calculus 1
*CIS 162	Computer Science I
HNR 151	First Year Interdisciplinary Sequence 1
HNR 152	First Year Interdisciplinary Sequence 2

2nd Semester Winter: 16 credits

*CIS 163	Computer Science II
*MTH 225	Discrete Structures: Computer Science
HNR 153	First Year Interdisciplinary Sequence 3
HNR 154	First Year Interdisciplinary Sequence 4

3rd Semester Fall: 12 credits

*STA 215	Introductory Applied Statistics
MTH 325	Discrete Structures: Computer Science 2
CIS 241	System-level Programming and Utilities
*COM 201	Speech

4th Semester Winter: 13-14 credits

CIS 263	Data Structures and Algorithms
CIS 351	Computer Organization and Assembly Language
CIS 290	Professional Responsibilities and Practices
MTH or STA Elective	(See Major Notes #1)

5th Semester Fall: 13-14 credits

CIS 350	Introduction to Software Engineering
CIS 353	Database
HNR 200	Campus/Community Engagement
HNR 201	Live. Learn. Lead.

6th Semester Winter: 15-16 credits

CIS 343	Structure of Programming Languages
CIS 457	Data Communications
Sci. Cognate	(See Major Notes #2)
CIS Elective	

Spring/Summer Semester: 2-5 credits

CIS 490	Internship

7th Semester Fall: 14-16 credits

CIS 452	Operating Systems Concepts
CIS Elective	
HNR 350	Honors Integrative Seminar
Sci. Cognate	(See Major Notes #2)

8th Semester Winter: 12-13 credits

CIS 467	Computer Science Project
WRT 350	Business Communications
CIS Elective	
Free Elective	

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 101 Eberhard Center. Please call 616-331-6025 or go online at www.gvsu.edu/pcec/advising to schedule an appointment.

Computer Science

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.

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 353 fulfills the HNR 251 requirement.
2) CIS 467 fulfills the HNR 401 and HNR 499 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 take 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.

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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