

# Computer Science

Grand Valley State University 2021-22 Catalog

MTH 201 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 (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: 15 credits

MTH 201	Calculus 1	4 credits
WRT 150	Writing Strategies	4 credits
<b>OR</b> WRT 120/WRT 130 (may change timeline)		
*CIS 162	Computer Science 1	4 credits
*STA 215	Intro Applied Statistics	3 credits

## 2nd Semester Winter: 13-14 credits

MTH/STA Elec	Options in Major Notes	3-4 credits
*CIS 163	Computer Science II	4 credits
*COM 201	Speech	3 credits
*MTH 225	Discrete Structures: CS	3 credits

## 3rd Semester Fall: 15 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 Courses (Select 2)		6 credits

## 4th Semester Winter: 13 credits

CIS 263	Data Struct & Algorithms	3 credits
CIS 351	Comp Org & Assy Lang	4 credits
General Education Courses (Select 2)		6 credits

## 5th Semester Fall: 13-14 credits

CIS 350	Intro to Software Egr	3 credits
CIS 353	Database	3 credits
Sci. Cognate	Options in Major Notes	4-5 credits
General Education Course		3 credits

## 6th Semester Winter: 14-15 credits

CIS 343	Struct of Program Lang	3 credits
CIS 457	Data Comm	4 credits
Sci. Cognate	Options in Major Notes	4-5 credits
Computer Science Elective		3 credits

## Spring/Summer Semester: 2-5 credits

CIS 490	Internship	2-5 credits
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## 7th Semester Fall: 16 credits

CIS 452	Operating Sys Concepts	4 credits
Computer Science Elective		3 credits
General Education Course (Select 3)		9 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](http://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

<u>Category</u>	<u>Completed?</u>	<u>Category</u>	<u>Completed?</u>	<u>Category</u>	<u>Completed?</u>	<u>Category</u>	<u>Completed?</u>
Physical Sciences		Mathematical Sciences (MTH 201)		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 be 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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