

# 2021-22 First Year Academic Plan - Computer Science (B.S.)

## Math Placement

Math Placement is determined by your ACT or SAT math sub-scores that you send to Grand Valley. These different first year schedules are recommended based on your math placement scores. *If you did not take the ACT or SAT, you must take the math proficiency test.*

For the most accurate math placement, we strongly recommend you to take the math proficiency test. Please take the math proficiency test at least one week before coming to campus for your First-Year Advising and Registration session.

For more information about Math Placement, please visit: <http://www.gvsu.edu/math/mathematics-placement-11.htm>

## Advanced Placement, International Baccalaureate, and College Level Examination Program Credits

Advanced Placement (AP), International Baccalaureate (I.B.) and College Level Exam Program (CLEP) credits can affect how a student schedules for classes or which math placement a student might receive. We would encourage you to take note of all AP, I.B., or CLEP credit you have earned so you can discuss these with an academic advisor while at Advising and Registration.

For more information regarding Credit By Exam, please visit: <https://www.gvsu.edu/cbe/>

\*Note: students can only apply 32 AP/IB/CLEP credits towards your degree

## Secondary Admissions Requirements

Admission to major standing in the School of Computing and Information Systems requires an application for secondary admission. Applicants must meet the following minimum criteria to be considered:

- 1) Overall GPA of 2.5 or above in all GVSU coursework
- 2) GPA of 2.5 or above in technical core (only one repeat *per course* allowed)
- 3) Completion of each technical core course with a grade of "C" or above

## Technical Core Courses

Students are strongly recommended to complete their technical core course work as soon as possible. Most students can complete these requirements in under three semesters.

These courses include: **CIS 162, CIS 163, STA 215, MTH 225, and COM 201**

## General Education (GE) Courses Fulfilled by Major Requirements

The Computer Science curriculum has some General Education classes included in their program requirements. Please review these courses before registering to avoid duplicate credits.

### Computer Science General Education Courses

**GE - Mathematical Science:** MTH 201, STA 215

**GE - Supplemental Writing Skills (SWS):** WRT 350

**GE - Natural Science - Physical Sciences:** Select one of CHM 115, GEO 111, PHY 220, PHY 230

AND

**GE - Natural Science - Life Science:** Select one of BIO 120 or BMS 202

\***Computer Science students** are required to take two lab-based sciences. It is recommended to take both a Natural Science lab class and a Physical Science lab class.

## Alternative Options

Students have the option to choose to complete alternatives to WRT 150 and CHM 115.

**WRT 150 Alternative:** WRT 120 and WRT 130

**CHM 115 Alternative:** CHM 100 and CHM 115

## 2021-22 First Year Academic Plan - Computer Science (B.S.)

### Recommended Plan Based on Math Start

#### **MTH 097**

##### Fall:

MTH 097	Elementary Algebra	4 credits
WRT 150	Writing Strategies	4 credits
General Education Course		3 credits
General Education Course		<u>3 credits</u>
		14 total credits

##### Winter:

MTH 110	Algebra	4 credits
COM 201	Speech	3 credits
General Education Course		3 credits
General Education Course		3 credits
General Education Course		<u>3 credits</u>
		16 total credits

#### **MTH 110**

##### Fall:

MTH 110	Algebra	4 credits
WRT 150	Strategies in Writing	4 credits
General Education Course		3 credits
General Education Course		<u>3 credits</u>
		14 total credits

##### Winter:

MTH 124	Pre-Calculus	5 credits
CIS 162	Computer Science 1	4 credits
STA 215	Statistics	3 credits
COM 201	Speech	<u>3 credits</u>
		15 total credits

#### **MTH 124**

##### Fall:

MTH 124	Pre-Calculus	5 credits
CIS 162	Computer Science 1	4 credits
STA 215	Statistics	3 credits
COM 201	Speech	<u>3 credits</u>
		15 total credits

##### Winter:

WRT 150	Strategies in Writing	4 credits
CIS 163	Computer Science 2	4 credits
MTH 225	Discrete Structures	3 credits
General Education		<u>3 credits</u>
		14 total credits

#### **MTH 201**

##### Fall:

MTH 201	Calculus 1	4 credits
CIS 162	Computer Science 1	4 credits
COM 201	Speech	3 credits
STA 215	Statistics	<u>3 credits</u>
		14 total credits

##### Winter:

MTH OR STA**		3-4 credits
MTH 225	Discrete Structures	3 credits
CIS 163	Computer Science 2	4 credits
WRT 150	Strategies in Writing	<u>4 credits</u>
		14-15 total credits

#### **MTH 202**

##### Fall:

MTH or STA**		3-4 credits
CIS 162	Computer Science 1	4 credits
WRT 150	Strategies in Writing	4 credits
COM 201	Speech	<u>3 credits</u>
		14-15 total credits

##### Winter:

CIS 163	Computer Science 2	4 credits
STA 215	Statistics	3 credits
MTH 225	Discrete Structures	3 credits
General Education Course		3 credits
General Education Course		<u>3 credits</u>
		16 total credits

\*\* Choose one: MTH 202, MTH 204, MTH 465, STA 216, or STA 418

It is important to meet with a professional advisor in the PCEC Advising Center on a regular basis.

For your convenience, we do have advising on both campuses but can always be reached at:

101 Eberhard Center (Pew Campus) | 616.331.6025 | pcecadvising@gvsu.edu