

# Computer Programming AAS

## Overview

## Associate of Applied Science Degree

**Program Director: Steve Robinett**

This degree prepares students for employment as a computer programmer; developing web, desktop and enterprise applications.

## Outcomes

### Graduates are prepared to:

- Understand the fundamentals of computer programming and data structures.
- Understand the languages for web and enterprise applications such as Java, Python, PHP, and JavaScript.
- Understand data modeling, database design, and structured query language (SQL).
- Have proficiency in web server administration and application development environments.
- Understand the software life-cycle, classical and current methodologies and best practices.

## Estimated Cost

### Estimated Resident Program Cost\*

Tuition and Fees	\$6,380
Application Fee	\$30
Books/Supplies	\$1,679
<b>Total</b>	<b>\$8,088</b>

\* **Fall 2016 MUS Student Health Insurance Premiums will be changing. Please check the Health Insurance website (<http://students.gfcmsu.edu/insurance.html>) and/or Student Central for confirmed premium rates. Students will be charged an additional fee of \$21 per credit for online/hybrid courses.**

## Program Requirements

Many students need preliminary math and writing courses before enrolling in the program requirements. These courses may increase the total number of program credits. Students should review their math and writing placement before planning out their full program schedules.

## GFC MSU Additional Graduation Requirement

Course	Title	Credits	Grade/Sem
COLS 103	Becoming a Successful Student +	1	_____

### First Year

Fall	Credits	Grade/Sem
------	---------	-----------

CSCI 100	Intro to Programming +	3	_____
----------	------------------------	---	-------

MART 231	Interactive Web I +	4	_____
----------	---------------------	---	-------

CAPP 120	Introduction to Computers +	3	_____
----------	-----------------------------	---	-------

One of the following:

WRIT 101	College Writing I **+	3	_____
----------	-----------------------	---	-------

WRIT 121	Intro to Technical Writing **+	3	_____
----------	--------------------------------	---	-------

One of the following:

M 121	College Algebra **+	3	_____
-------	---------------------	---	-------

M 108	Business Mathematics **+	4	_____
-------	--------------------------	---	-------

<b>Term Credits</b>	<b>16</b>
---------------------	-----------

### Spring

BGEN 105	Introduction to Business +	3	_____
----------	----------------------------	---	-------

CSCI 111	Programming with Java I *+,	3	_____
----------	-----------------------------	---	-------

ITS 210	Network OS - Desktop *+,	3	_____
---------	--------------------------	---	-------

CAPP 156	MS Excel *+,	3	_____
----------	--------------	---	-------

CSCI 240	Databases and SQL *+,	3	_____
----------	-----------------------	---	-------

<b>Term Credits</b>	<b>15</b>
---------------------	-----------

### Second Year

Fall	Credits	Grade/Sem
------	---------	-----------

CSCI 132	Basic Data Structures and Algorithms *+,	4	_____
----------	--	---	-------

CSCI 211	Client Side Programming *+,	3	_____
----------	-----------------------------	---	-------

STAT 216	Introduction to Statistics **+,	4	_____
----------	---------------------------------	---	-------

COMX 115	Intro to Interpersonal Communc +	3	_____
----------	----------------------------------	---	-------

<b>Term Credits</b>	<b>14</b>
---------------------	-----------

### Spring

CSCI 214	Server-Side Web Programming Administration *+,	3	_____
----------	--	---	-------

CSCI 223	Software Development *+,	3	_____
----------	--------------------------	---	-------

CSCI 299	Programming Capstone *+,	3	_____
----------	--------------------------	---	-------

CSCI 213	Web Programming Techniques *+,	3	_____
----------	--------------------------------	---	-------

ITS 224	Introduction To Linux *+,	4	_____
---------	---------------------------	---	-------

<b>Term Credits</b>	<b>16</b>
---------------------	-----------

<b>Total Credits</b>	<b>61</b>
----------------------	-----------

**Total Program Credits: 61-62**

\* Indicates prerequisites needed.

\*\* Placement in course(s) is determined by placement assessment.

+ A grade of C- or above is required for graduation.