Computer Programming AAS

Overview
Associate of Applied Science Degree
Program Director: Steven 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         | $6,835 |
| Application Fee          | $30    |
| Books/Supplies           | $1,869 |
| Total                    | $8,735 |

* Fall 2019 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Grade/Sem</th>
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<tbody>
<tr>
<td>Fall</td>
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</tr>
<tr>
<td>CSCI 100</td>
<td>Intro to Programming &quot;+&quot;</td>
<td>3</td>
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<tr>
<td>CSCI 105</td>
<td>Computer Fluency &quot;+&quot;</td>
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<tr>
<td>CSCI 181</td>
<td>Web Design and Programming &quot;+&quot;</td>
<td>4</td>
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<tr>
<td>M 121</td>
<td>College Algebra &quot;+&quot;</td>
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<td>WRIT 101</td>
<td>College Writing I &quot;+&quot;</td>
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<td>WRIT 121</td>
<td>Intro to Technical Writing &quot;+&quot;</td>
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<td>Spring</td>
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<td>CAPP 156</td>
<td>MS Excel &quot;+&quot;</td>
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<td>Introduction to Business &quot;+&quot;</td>
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<td>CSCI 111</td>
<td>Programming with Java I &quot;+&quot;</td>
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<td>CSCI 240</td>
<td>Databases and SQL &quot;+&quot;</td>
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<tr>
<td>ITS 210</td>
<td>Network OS - Desktop &quot;+&quot;</td>
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<td>Second Year</td>
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<tr>
<td>COMX 115</td>
<td>Intro to Interpersonal Communc &quot;+&quot;</td>
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<td>CSCI 132</td>
<td>Basic Data Structures and Algorithms &quot;+&quot;</td>
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<td>Client Side Programming &quot;+&quot;</td>
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<td>STAT 216</td>
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<td>Software Development &quot;+&quot;</td>
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<td>CSCI 232</td>
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<td>ITS 224</td>
<td>Introduction To Linux &quot;+&quot;</td>
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<td>Programming Capstone &quot;+&quot;</td>
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<td>Total Credits</td>
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* Indicates prerequisites needed.
** Placement in course(s) is determined by placement assessment.
+ A grade of C- or above is required for graduation.