**Associate in Science in Computer Information Technology (60 Credit Hours)**

*Program Guide*

This is an UNOFFICIAL document which can be used as a guide for students pursuing this academic degree program. The official program of study, minimum grade and/or prerequisite requirements are published in the current university catalog. Students should contact their student experience advisor with any questions.

**Effective July 1, 2020**

### Area I: Computer Information Technology Component

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTS1131</td>
<td>A+ Hardware I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTS1132</td>
<td>A+ Hardware II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>COP2250</td>
<td>Java Programming I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTS2318</td>
<td>Principles of Information Security</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CGS2515</td>
<td>Advanced Computer Applications</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GRA2520</td>
<td>Web Design I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>COP2700</td>
<td>Introduction to Database Management Systems</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Total Computer Information Technology Component** 27

### Area II: General Education Component

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT1033</td>
<td>Intermediate Algebra</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CGS1100</td>
<td>Computer Applications</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENC1101</td>
<td>English Composition I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHI2600</td>
<td>Ethics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>Social or Behavioral Science</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Total General Education Component** 15

### Area III: Elective Component

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective</td>
<td>Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Total Elective Component** 3

### Area IV: Elective Component

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students must choose one of the areas of focus:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cybersecurity and Networking Focus</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CTS1138</td>
<td>A+ Lab/ Certification Prep</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTS2134</td>
<td>CompTIA Network+ Certification Prep</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTS2166</td>
<td>Introduction to Scripting I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTS2167</td>
<td>PowerShell Scripting II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTS2650</td>
<td>Networking Essentials</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Software Development Focus</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAP2023</td>
<td>Introduction to Game Programming</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>COP2048</td>
<td>Programming Concepts II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>COP2251</td>
<td>Java Programming II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>COP3655</td>
<td>Mobile Application Development</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>CTS/CAP/CGS/COP/GRA Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Computer Information Technology Focus</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CTS1138</td>
<td>A+ Lab/ Certification Prep</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTS2134</td>
<td>CompTIA Network+ Certification Prep</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTS2155</td>
<td>User Support &amp; Help Desk Operations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTS2650</td>
<td>Networking Essentials</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>CTS/CAP/CGS/COP/CET Upper Level (2000+)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Total Elective Component** 15

**Total Semester Hours Required for Graduation** 60

Once enrolled, please log into the MyHUgo portal and check “My Progress” in the student planning module of HU Self-Service. Please contact the Office of Student Experience if you have any questions and refer to the University Catalog for degree requirements.

Effective July 1, 2020
# Associate in Science in Computer Information Technology (60 Credit Hours)

**Course Sequence**

The following course sequences are formatted to help ensure the most direct path to program completion. Deviation may add to the overall time to complete the degree, as many courses require prerequisites and/or are not offered every session. It is important for students to follow the optimum sequence of coursework as suggested by their student experience advisor.

<table>
<thead>
<tr>
<th>1st Year – Session One</th>
<th>Credits</th>
<th>Met</th>
<th>1st Year – Session Two</th>
<th>Credits</th>
<th>Met</th>
<th>1st Year – Session Three</th>
<th>Credits</th>
<th>Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective</td>
<td>3</td>
<td></td>
<td>CTS1132 A+ Hardware II</td>
<td>3</td>
<td></td>
<td>COP2700 Introduction to Database Management Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CGS1100 Computer Applications</td>
<td>3</td>
<td></td>
<td>CGS2515 Advanced Computer Applications</td>
<td>3</td>
<td></td>
<td>COP2250 Java Programming I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENC1101 English Composition I</td>
<td>3</td>
<td></td>
<td>GRA2520 Web Design I</td>
<td>3</td>
<td></td>
<td>GEB1011 Introduction to Business</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CTS1131 A+ Hardware I</td>
<td>3</td>
<td></td>
<td>MAT1033 Intermediate Algebra</td>
<td>3</td>
<td></td>
<td>CTS1138 A+ Lab/ Certification Prep OR</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>COP2251 Java Programming II</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>12</strong></td>
<td></td>
<td><strong>Total</strong></td>
<td><strong>12</strong></td>
<td></td>
<td><strong>Total</strong></td>
<td><strong>12</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2nd Year – Session Four</th>
<th>Credits</th>
<th>Met</th>
<th>2nd Year – Session Five</th>
<th>Credits</th>
<th>Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTS2318 Principles of Information Security</td>
<td>3</td>
<td></td>
<td>CTS2166 Introduction to Scripting I OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>COP2048 Programming Concepts II OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CTS2650 Networking Essentials OR</td>
<td>3</td>
<td></td>
<td>CTS2155 User Support &amp; Help Desk Operations</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>CTS2134 CompTIA Network+ Certification Prep OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>COP3655 Mobile Application Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>CTS2167 PowerShell Scripting II OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>CTS/CAP/CGS/COP GRA Elective OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHI2600 Ethics</td>
<td>3</td>
<td></td>
<td>Social or Behavioral Science Elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>12</strong></td>
<td></td>
<td><strong>Total</strong></td>
<td><strong>12</strong></td>
<td></td>
</tr>
</tbody>
</table>

Effective July 1, 2020