The required classes in this program begin in the fall semester.

Before a student can be accepted into the Computer Systems Technician program, competency in mathematics and computers must be demonstrated. This may be done by:
- Passing the Math and Computer Placement test
- Transfer of appropriate credits
- Current ACT/SAT scores in the required range
- Taking the necessary prerequisite English, math and/or computer classes identified

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Grade</th>
<th>Semester</th>
<th>Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAPP 120</td>
<td>Introduction to Computers</td>
<td>3</td>
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Required Preparatory Courses

<table>
<thead>
<tr>
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<th>Credits</th>
<th>Grade</th>
<th>Semester</th>
<th>Equivalent</th>
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General Education Requirements

<table>
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<th>Semester</th>
<th>Equivalent</th>
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</thead>
<tbody>
<tr>
<td>COMT 109</td>
<td>Human Relations</td>
<td>3</td>
<td></td>
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<tr>
<td>M 114</td>
<td>Extended Technical Mathematics</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>WRIT 121</td>
<td>Intro to Technical Writing</td>
<td>3</td>
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Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Grade</th>
<th>Semester</th>
<th>Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAPP 156</td>
<td>MS Excel</td>
<td>3</td>
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</tr>
<tr>
<td>CMP 135</td>
<td>Introduction to Web Design</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITS 140</td>
<td>CCNA 1: Discovery (Cisco 1)</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITS 142</td>
<td>CCNA 2: Discovery (Cisco 2)</td>
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<td></td>
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</tr>
<tr>
<td>ITS 161</td>
<td>MS Windows 7 Configuration</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITS 162</td>
<td>Windows Svr 08 Active Directory Config.</td>
<td>3</td>
<td></td>
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<tr>
<td>ITS 182</td>
<td>Help Desk Support</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITS 217</td>
<td>Network Operating System-Server Admin/Apps</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITS 224</td>
<td>Introduction to Linux</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
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<td>ITS 240</td>
<td>CCNA 3: Discovery (Cisco 3)</td>
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<tr>
<td>ITS 242</td>
<td>CCNA 4: Discovery (Cisco 4)</td>
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<tr>
<td>ITS 256</td>
<td>CCNA: Security</td>
<td>4</td>
<td></td>
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<tr>
<td>ITS 260</td>
<td>CCNP: Routing</td>
<td>4</td>
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<td>ITS 264</td>
<td>CCNP 3: Switching</td>
<td>4</td>
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<tr>
<td>ITS 266</td>
<td>CCNP 4: Optimizing Converged Networks</td>
<td>4</td>
<td></td>
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</tr>
<tr>
<td>ITS 280</td>
<td>Computer Repair &amp; Maintenance</td>
<td>3</td>
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</table>

**Restricted Electives – 3 credits required, chosen in consultation with an advisor**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CSCI 210</td>
<td>Web Programming</td>
<td>3</td>
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<tr>
<td>ITS 200</td>
<td>CCNA Exam Preparation</td>
<td>1</td>
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<tr>
<td>ITS 274</td>
<td>Advanced Hardware/Software Troubleshooting and Support</td>
<td>4</td>
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<tr>
<td>ITS 291</td>
<td>Special Topics</td>
<td>3</td>
</tr>
<tr>
<td>ITS 298</td>
<td>Cooperative Education/Internship</td>
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**Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</table>

**Total Minimum Credits Required**: 68

*Note: A grade of “C” or higher is mandatory in all required courses.*

**Suggested Plan of Study**

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<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
<th>Credits</th>
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<td>ITS 140</td>
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<td>ITS 142</td>
<td>4</td>
<td>ITS 162</td>
</tr>
<tr>
<td>ITS 280</td>
<td>3</td>
<td>ITS 240</td>
</tr>
<tr>
<td>M 114</td>
<td>3</td>
<td>WRIT 121</td>
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<td>TOTAL</td>
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<td>TOTAL</td>
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<table>
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<th>Semester</th>
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<tbody>
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<td>Third Semester</td>
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<td>ITS 182</td>
<td>3</td>
<td>CMP 135</td>
</tr>
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<td>ITS 217</td>
<td>3</td>
<td>ITS 200</td>
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<td>ITS 256</td>
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<td>ITS 224</td>
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<td>ITS 260</td>
<td>4</td>
<td>ITS 264</td>
</tr>
<tr>
<td>COMT 109</td>
<td>3</td>
<td>ITS 266</td>
</tr>
<tr>
<td>TOTAL</td>
<td>17</td>
<td>TOTAL</td>
</tr>
</tbody>
</table>

**Transcript evaluation (if applicable completed) by: _________________________on __/___/______**
Developing a Plan of Study
To facilitate course planning and scheduling, students should be aware that not all courses are offered every semester. Some courses require pre-requisites and preparatory courses to be successfully completed or co-requisites be taken simultaneously.

Selected Courses and Prerequisites
Key: F= Fall; S=Spring; X=Summer; # = online

Computer Systems Technology Associate of Applied Science Degree Program Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Required Pre-requisite</th>
<th>Recommended Pre-requisite</th>
<th>Required Co-requisite</th>
<th>Recommended Co-requisite</th>
<th>Term Offered</th>
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<tbody>
<tr>
<td>Optional:</td>
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<td></td>
<td></td>
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<td>F, F#, S, S#, X, X, #</td>
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<tr>
<td>CAPP 120</td>
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<tr>
<td>CAPP 156</td>
<td>CAPP 120</td>
<td></td>
<td></td>
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<td>F, F#, S, S#</td>
</tr>
<tr>
<td>CMP 135</td>
<td>CAPP 120</td>
<td></td>
<td></td>
<td></td>
<td>F, S</td>
</tr>
<tr>
<td>COMT 109</td>
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<td></td>
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<td>F, F#, S, S#, X, X, #</td>
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<td>ITS 140</td>
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<td>ITS 142</td>
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<td>F, S</td>
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<td>ITS 142</td>
<td>ITS 140</td>
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<td>F, S</td>
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<td>ITS 161</td>
<td>CAPP 120</td>
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<tr>
<td>ITS 162</td>
<td>ITS 160</td>
<td></td>
<td></td>
<td></td>
<td>S</td>
</tr>
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<td>ITS 182</td>
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<td>F</td>
</tr>
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<td>ITS 217</td>
<td>ITS 161, 162</td>
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<td>F</td>
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<td>ITS 224</td>
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<td>S</td>
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<td>ITS 240</td>
<td>ITS 142</td>
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<td>ITS 264</td>
<td>ITS 242</td>
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<td>ITS 266</td>
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<td>S</td>
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<tr>
<td>ITS 266</td>
<td>ITS 260, 262, 264</td>
<td></td>
<td>ITS 264</td>
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<td>S</td>
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<td>ITS 280</td>
<td>CAPP 120</td>
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<td></td>
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<td>F</td>
</tr>
<tr>
<td>M 114</td>
<td>M095, M111, or appropriate placement</td>
<td>M111</td>
<td></td>
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<td>F, F#, S, S#, X, X, #</td>
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<tr>
<td>WRIT 121</td>
<td>WRIT 095, WRIT 104, or appropriate placement, CAPP 120</td>
<td>WRIT 104</td>
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<td>F, S, S#</td>
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<tr>
<td>Restricted Elective</td>
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<td>F, F#, S, S#</td>
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<tr>
<td>CSCI 210, ITS 200, ITS 274, ITS 291, ITS 298</td>
<td>May require CMP 135, ITS 162, 242, or 280</td>
<td></td>
<td></td>
<td>Note: All courses may not be available every semester.</td>
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</tbody>
</table>
**Program Specific Information**

Students should know the following information:

1.) This program is based on completing the previous semester. Cisco 1 and 2 must be completed before taking Cisco 3 and 4. Failure to pass one semester can impact the next.

2.) This is a program with few online options. Many courses are 4 or even 5 days per week.

3.) If a student is particularly interested in the technical coursework then the Computer Systems Technology degree is the better option.

4.) If a student is interested in some technical work but is ultimately looking at transferring to a 4 year degree then the Networking Technology AS could be the better option.

5.) Students can earn the certificate and continue on to either the AAS or AS options. The first 2 semesters could look the same for the certificate, AAS and AS options.

6.) The Bachelor of Applied Science (BAS) degree is available to students with an Associate of Applied Science (AAS) degree. Students may enroll on the main campus of MSU Billings and take upper division credits in existing areas of study which will complement the student's AAS credits already earned. The transferability of the AAS courses will be determined course by course. Students anticipating transferring are encouraged to consult with their advisor.

7.) The ITS or Cisco courses tend to fill up quickly so it is important to register early.
## Plan of Study

**College of Technology**

**Date:** ____________________

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ITS 140</td>
<td>4</td>
<td>CAPP 156</td>
<td>3</td>
</tr>
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<td>ITS 142</td>
<td>4</td>
<td>ITS 162</td>
<td>3</td>
</tr>
<tr>
<td>ITS 161</td>
<td>3</td>
<td>ITS 240</td>
<td>4</td>
</tr>
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<td>ITS 280</td>
<td>3</td>
<td>ITS 242</td>
<td>4</td>
</tr>
<tr>
<td>Gen Ed:</td>
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<table>
<thead>
<tr>
<th>Course</th>
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<th>Course</th>
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</thead>
<tbody>
<tr>
<td>ITS 182</td>
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<td>CMP 135</td>
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</tr>
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<td>ITS 217</td>
<td>3</td>
<td>ITS 224</td>
<td>3</td>
</tr>
<tr>
<td>ITS 256</td>
<td>4</td>
<td>ITS 200 (recommended)</td>
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<td>ITS 260</td>
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<td>4</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>Total</strong></td>
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<td></td>
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</tbody>
</table>

**Number of earned credits that apply toward degree:** ______________________________

**Number of credits left to earn for degree:** ______________________________

**CERTIFICATION:** The courses listed are **required** for the student’s degree.

**Advisor’s Signature:** ___________________________  **Date:** ________________

**Student’s Signature:** ___________________________  **Date:** ________________