Cyber Security & Information Assurance

Program Overview:

Information Technology is one of the fastest-growing career fields today. The Cybersecurity Information Assurance curriculum prepares students to support the information security needs of businesses. This curriculum can assist students in preparing for the following certifications: CompTIA (A+, Network+, Linux+, Security+, Project+), CISSP and Cisco Certified Network Associate.

Learning Outcomes:

Upon completion of an Associate of Applied Science degree in Cybersecurity Information Assurance, a graduate will be able to:

• Demonstrate knowledge of computer and network systems terms and concepts.

• Setup, install, configure, and troubleshoot hardware/software for desktop computer systems.

• Install, configure, manage, and maintain network-based voice, audio, and video technologies.

• Install, configure, manage, and maintain network infrastructure equipment and software.

• Demonstrate knowledge of computer and network security terms and concepts.

• Implement, configure, and troubleshoot network security software and hardware.

• Design secure computer and network infrastructures.

Freshman Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>ITS 164</td>
<td>Networking Fundamentals</td>
<td>3</td>
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<tr>
<td>ITS 271</td>
<td>SECURING DESKTOP/MOBILE DEVICES</td>
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<tr>
<td>ITS 218</td>
<td>Network Security</td>
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<td>ITS 272</td>
<td>Cyber Defense</td>
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<tr>
<td>ITS 274</td>
<td>ETHICAL HACKING AND NETWORK DEFENSE</td>
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Year Total: 10  6

Total Program Credits: 16
Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.