CIT - Network Support and Security

Associate of Applied Science Degree

Program Director: Steven Robinett

Program Faculty: Cheryl Simpson

The Computer Information Technology (CIT) Program prepares individuals to assume a role in computer support with skills and responsibilities in user support, hardware and software troubleshooting, basic system maintenance, and cybersecurity.

The Network Support & Security Degree prepares students for a career in supporting Local Area Networks (LAN) and Wide Area Networks (WAN) with a focus on the skills required to understand and manage the operation of a small and large computer network. The students will learn valuable technical skills to identify the security needs of an organization as well as be able to implement the appropriate protection and security of the system.

Upon completion of the Network Support & Security Degree, students will be able to successfully design, implement, manage and maintain effective network infrastructures; analyze data to determine security threats; and identify and prevent data threats and privacy invasion for both home and corporate clients as an entry level network technician/system administrator/security analyst.

Outcomes

Graduates are prepared to:

• Utilize TCP/IP applications to prove their understanding of networking protocols used to control modern networking infrastructures.
• Develop an in-depth understanding of network security principles as well as the tools and configurations available within a network.
• Master the concepts of the theoretical OSI networking model.
• Secure network assets by exploring the mechanisms of ethical hacking and network defense.
• Create, secure, maintain, and troubleshoot both wired and wireless network infrastructures and infrastructure devices.
• Employ and master the skills needed to create, secure and maintain server based networks using both Microsoft Windows and open source Linux server systems.
• Develop and implement a logical troubleshooting, security, and maintenance system for Personal Computing systems.
• Prepare for networking support industry standard certifications such as: CCNA, CCNP, MCSA CompTIA Network+, CompTIA PenTest+, and CCNA Security

Estimated Cost

Estimated Resident Program Cost*

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition and Fees</td>
<td>$6,900</td>
</tr>
<tr>
<td>Application Fee</td>
<td>$30</td>
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<tr>
<td>Lab Fees</td>
<td>$490</td>
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<tr>
<td>Books/Supplies</td>
<td>$1,148</td>
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<tr>
<td>Total</td>
<td>$8,567</td>
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* Indicates prerequisites needed.
** Placement in course(s) is determined by placement assessment.

*** Technical electives must be approved by program director.

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