Information Technology – Information Assurance  
Associate in Applied Science-Transfer Degree (AAS-T)  
105-120 Credits

This degree prepares graduates for employment in the information technology field as computer security specialists and information assurance technicians.

Information assurance is one of the fastest growing and most challenging specialty areas in information technology. Computer security specialists and information assurance technicians educate end users about security; implement security configurations, including hardening servers and client computers; monitor the network for attempted and actual security breaches; and respond to attacks.

Students in this degree program receive foundational training in a broad range of networking and computer systems administration subjects, resulting in a balanced, well-rounded knowledge of information technology. Students also complete four courses on key information assurance and network security topics: Introducing to Network Security, Information Assurance, Designing and Implementing Security, and Implementing and Security Wireless Networks. In addition to these specialized courses, students learn key interpersonal communication skills sought by employers and complete a minimum of 90 hours of information assurance-related work experience.

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<thead>
<tr>
<th>Dept./No.</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Bus&amp; 101</strong></td>
<td>Intro to Business</td>
<td>5</td>
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<tr>
<td><strong>Cmst&amp; 210 or</strong></td>
<td>Interpersonal Communication or</td>
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<td></td>
<td>Cmst&amp; 220 or</td>
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<tr>
<td></td>
<td>Cmst&amp; 230</td>
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<tr>
<td><strong>Engl 101</strong></td>
<td>English Composition I</td>
<td>5</td>
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<tr>
<td><strong>Engl 128</strong></td>
<td>Research Writing: Science/Engineering/Business</td>
<td>5</td>
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<tr>
<td><strong>Math&amp; 107 or</strong></td>
<td>Math in Society or</td>
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<td></td>
<td>Math&amp; 141 or</td>
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<td></td>
<td>Math&amp; 142 or</td>
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<td></td>
<td>Math 147 or</td>
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<td></td>
<td>Math&amp; 151 or</td>
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<tr>
<td></td>
<td>Eligible for Math&amp; 142 or higher</td>
<td>0-5</td>
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**Core Requirements:**

* Keyboarding  
  30 wpm (5 minute-typing test administered by Business Education department)

**IT 110 or** | PC Support Technician 1 or                      | 0-5     |
|              | ComptIA A+ Certification                        |         |

**IT 115 or** | PC Support Technician 2 or                     | 0-5     |
|              | ComptIA A+ Certification                        |         |
Bus E 266 or Inside Microsoft Office or  
IT 116 PC Support Technician 3 (Windows Application)  5  
IT 130 Introduction to Networking  5  
IT 135 Introduction to Network Security  5  
IT 140 Customer Service for IT Professionals  5  
IT 145 Introduction to Microsoft Project  5  
IT 160 Microsoft Windows (Current version) Server Implementation  5  
IT 190 Linux Administration  5  
IT 215 Information Assurance  5  
IT 216 Implement Firewalls  5  
IT 225 or Shell Scripting for Windows or  
CS& 141 Computer Science I Java  5  
IT 240 Manage MS Windows (Current version) Network Environment  5  
IT 245 Implement and Administer Directory Services  5  
IT 255 Patch Management  5  
IT 280 Design and Implement Security  5  
IT 285 Implement and Secure Wireless Networks  5  

Practical Experience: Ten (10) credits from the following courses:  10  
IT 171 IT Work Experience Seminar (1)  
IT 175 Student Assistant (0-3)  
IT 178 Help Desk Work Experience (0-9)  
IT 179 Network Security Work Experience (0-9)  

* Keyboarding/typing skills may be demonstrated by passing a 5-minute typing test at 30 wpm with 5 or less errors using the proper typing techniques administered by the Business Education department.

Note: Students wishing to transfer to Central Washington University should take Math 147 and one of the following: (Math& 107, Math& 141, Math& 142, Math& 148 or Math& 151). Students who wish to transfer should meet with an academic advisor to ensure they take the appropriate classes to meet the transfer requirements.