

## Information Technology Security

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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Dept./No.	Course Title	Credits
<b>General Education Requirements:</b>		
Bus& 101	Introduction to Business	5
Cmst& 210 <b>or</b>	Interpersonal Communication <b>or</b>	
Cmst& 220 <b>or</b>	Public Speaking <b>or</b>	
Cmst& 230	Small Group Communication	5
Engl& 101	English Composition I	5
Engl 128	Research Writing: Science/Engineering/Business	5
Math& 107 <b>or</b>	Math in Society <b>or</b>	
Math 108 <b>or</b>	Contemporary Math for Information Technology <b>or</b>	
Math& 141 <b>or</b>	Precalculus1 <b>or</b>	
Math& 142 <b>or</b>	Precalculus 2 <b>or</b>	
Math 147 <b>or</b>	Finite Math for Business and Social Science <b>or</b>	
Math& 151 <b>or</b>	Calculus I <b>or</b>	
	Eligible for Math& 142 or higher	0-5
<b>Core Requirements:</b>		
* Keyboarding	30 wpm (5 minute-typing test administered by Business Education department)	
IT 110 <b>or</b>	PC Support Technician 1 <b>or</b>	
	CompTIA A+ Certification	0-5

IT 115 <b>or</b>	PC Support Technician 2 <b>or</b> CompTIA A+ Certification	0-5
Bus E 266 <b>or</b> IT 116	Inside Microsoft Office <b>or</b> PC Support Technician 3 (Windows Application)	5
IT 130 <b>or</b> IT 131	Introduction to Networking <b>or</b> Network Infrastructure Fundamentals	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 <b>or</b> CS& 141	Shell Scripting for Windows <b>or</b> 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
<b>Practical Experience: Ten (10) credits from the following courses:</b>		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.*