



IT Information Systems Security Specialist

ASSOCIATE DEGREE

Program Code: 10-151-3

All campuses

Prepare for a career in computer network and internet security by learning to develop information security strategies, perform risk analyses, install security software, monitor network traffic and develop an emergency response plan. You will have hands-on coursework in securing MS Windows, Unix/Linux, Cisco, networks, servers and clients, and the enterprise network.

Career Outlook

Employment opportunities are growing due to the increased need for secure computer systems.

Program Learning Outcomes

- Identify security strategies
- Implement secure infrastructures
- Conduct security testing
- Analyze security data
- Mitigate risk
- Develop security documentation

Admission Requirements

- A high school diploma or GED
- One year of high school-level algebra or one semester of college-level algebra
- Microsoft Windows or Macintosh operating system skills



matc.edu/academic_programs/pathways

This program features exploratory courses that count toward a credential. Contact an MATC advisor for information.



TECHNICAL STUDIES

Credits

(1) ITNET-110	Managing Windows Desktop (Client) Operating System	3
(1) ITNET-131	Introduction to Networks (Cisco 1)	3
(1) ITSEC-124	Network Security (Security+).....	3
(2) ITNET-112	MS Server Administration 1	3
(2) ITNET-161	Linux Overview	2
(2) ITNET-132	Routing/Switching Essentials (Cisco 2) ...	3
(2) ITSEC-152	Information Security Risk Management	3
(3) ITNET-111	MS Server Administration 2	3
(3) ITSEC-136	Unix/Linux Administration and Security.....	3
(3) ITSEC-145	Perimeter Security	3
(3) ITSEC-148	Securing Wireless Devices and Networks	3
(4) ITSEC-122	Web/Application Security	3
(4) ITSEC-126	Computer Forensics	3
(4) ITSEC-146	Security Measures and Intrusion Detection.....	3
(4) ITSEC-191	Information Security Internship 2 ‡.... 1 (or) ITSEC-194 Security Project Implementation	

GENERAL STUDIES

ECON-195	Economics..... 3 (or) Any 200-series ECON course	
ENG-151	Communication Skills 1 ‡..... 3	
(& ENG-152	Communication Skills 2 ‡..... 3 (or) ENG-201‡ and any 200-series ENG or SPEECH course	
MATH-123	Math With Business Applications ‡..... 3 (or) Any 200-series MATH course	
NATSCI-167	Science of Technology..... 3 (or) Any 200-series NATSCI course	
PSYCH-199	Psychology of Human Relations	3
	(or) Any 200-series PSYCH course	
SOCSCI-197	Contemporary American Society	3
	(or) Any 200-series SOCSCI or HIST course	
ELECTIVES	(Three credits needed)	3

TOTAL CREDITS: 66

() Semester order for full-time students.

‡ Prerequisite required.

Program curriculum requirements are subject to change.

This Associate in Applied Science program will transfer to one or more four-year institutions.

For complete information, go to matc.edu/business

To apply for financial aid, visit fafsa.gov
School Code: 003866

Possible Careers

- Desktop Security Support Specialist
- Junior IT Auditor
- Junior IT Compliance Officer
- Junior Network Engineer/Analyst/Specialist
- Junior Security Engineer/Analyst/Specialist
- Security Technician

Related Programs

- IT Network Specialist
- IT Computer Support Specialist
- IT Mobile Application Developer
- IT Digital Forensics Analyst

Current MATC students should consult their Academic Program Plan for specific curriculum requirements.



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matc.edu or 414-297-MATC
Wisconsin Relay System 711

Downtown Milwaukee Campus
700 West State Street

Mequon Campus
5555 West Highland Road

Oak Creek Campus
6665 South Howell Avenue

West Allis Campus
1200 South 71st Street

MATC Education Center at Walker's Square
816 West National Avenue, Milwaukee