

IT Information Systems Security Specialist



Associate Degree

PROGRAM CODE: 10-151-3



COURSE	CREDITS
ENG-195	Written Communication ‡ 3 (or) ENG-201 English 1 ‡
ITNET-110	Managing Windows Desktop (Client) Operating System 3
ITNET-131	Introduction to Networks (Cisco 1)..... 3
ITSEC-124	Network Security (Security+) 3
MATH-123	Math With Business Applications ‡ 3 (or) Any 200-level MATH course
ENG-197	Technical Reporting ‡ 3 (or) Any 200-level ENG or SPEECH course
ITNET-112	MS Server Administration 1 3
ITNET-132	Routing/Switching Essentials (Cisco 2)..... 3
ITNET-161	Linux Overview 2
ITSEC-152	Information Security Risk Management 3
ELECTIVES	(Three credits) 3
ITNET-111	MS Server Administration 2..... 3
ITSEC-136	Unix/Linux Administration and Security 3
ITSEC-145	Perimeter Security..... 3
ITSEC-148	Securing Wireless Devices and Networks..... 3
PSYCH-199	Psychology of Human Relations..... 3 (or) Any 200-level PSYCH course
ITSEC-122	Web/Application Security..... 3
ITSEC-126	Computer Forensics 3
ITSEC-146	Security Measures and Intrusion Detection 3
ITSEC-191	Information Systems Security Internship 2 ‡ 1 (or) ITSEC-194 Security Project Implementation
SOCSCI-197	Contemporary American Society 3 (or) Any 200-level SOCSCI or HIST course

Location: All Campuses

Start Dates: August and January

Admission Requirement: High school diploma or GED, one year of high school-level algebra or one semester of college-level algebra, and Microsoft Windows or Macintosh operating system skills

Transfer: Will transfer to one or more four-year institutions

Financial Aid Eligible: Yes.

Apply at fafsa.gov. Use School Code 003866.

Program Description

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.



Complete Program Details

QUESTIONS? 414-297-6319 or stempathway@matc.edu

CREDITS

Total credits needed to complete this degree

60

‡ Prerequisite required.

Program curriculum requirements are subject to change.

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