

# IT Network Specialist (AI, Cloud and Virtualization)

PROGRAM CODE: 10-150-2

**Location:** Online Campus and West Allis Campus**Start Dates:** August and January**Admission Requirement:** High school diploma or equivalent**Academic Preparedness Requirements:** One year of high school-level algebra or one semester of college-level algebra. Requires interview with instructor; fill out form on program's webpage.**Financial Aid Eligible:** Yes. Use code 003866 at fafsa.gov.

## Program Description

Through hands-on coursework, you will set up and troubleshoot computer and network operating systems along with working with emerging IT technologies such as AI, cloud and virtualization technology. Certification preparations in this degree include: VMware Certified Professional (VCP-DCV), Cisco Certified Networking Associate (CCNAv7), Microsoft Certifications, Amazon Web Services Cloud Practitioner (AWS-CP), Testout and CompTIA (A+, Network+ and Security+).

## Career Outlook

Employment opportunities are strong. This associate degree program prepares you for entry-level positions with opportunities for advancement. The program also prepares you for many industry-sought certifications.

## Program Learning Outcomes

- Implement computer networks.
- Implement client systems.

**Complete Program Details****QUESTIONS?** 414-297-6319 or [stempathway@matc.edu](mailto:stempathway@matc.edu)

## COURSES

	CREDITS
ENG-195	Written Communication ‡ ..... 3 (or) ENG-201 English 1 ‡
IT-107	Social Networking and Business Communications ..... 3
ITNET-101	Network Communications (CompTIA Network+) ^ ..... 3
ITNET-110	Managing Windows Desktop (Client) Operating System ^ ..... 3
ITNET-131	Introduction to Networks (Cisco 1) ^ ..... 3
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
ITSEC-124	Network Security (Security+) ..... 3
ITSUP-102	CompTIA A+ Essentials ..... 3
ITNET-111	MS Server Administration 2 ^ ..... 3
ITNET-133	Scaling Networks (Cisco 3) ‡ ^ ..... 3
ITNET-154	Scripting for Network Administrators ^ ..... 3
ITNET-159	Cloud Infrastructure Services ..... 3
MATH-123	Math With Business Applications ‡ ^ ..... 3 (or) Any 200-level MATH course
ELECTIVES	(Three credits) ..... 3
ITNET-157	Virtualization Technologies ^ ..... 3
ITNET-198	Network Specialist Internship ‡ ..... 1
ITNET-199	Integrated Project – Network Specialist ..... 2
PSYCH-199	Psychology of Human Relations ..... 3 (or) Any 200-level PSYCH course
SOCSCI-197	Contemporary American Society ..... 3 (or) Any 200-level HIST or SOCSCI course

## CREDITS

Total credits needed to complete this degree

60

‡ Prerequisite required.

^ Counts toward earning the IT Networking and Infrastructure Administration technical diploma.

Program curriculum requirements are subject to change.

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

MATC courses are offered in person, entirely online or partially online.

Check each course's delivery options in Self-Service at [selfservice.matc.edu](https://selfservice.matc.edu).