



IT-Network Specialist

ASSOCIATE OF APPLIED SCIENCE



Effective
2020-2021

The course sequence is the recommended path to completion upon graduation from eCampus Academy. All courses should be taken in the order shown to help you stay on track and graduate according to your academic plan as it transfers to Gateway Technical College or UW-Whitewater.

F = Fall, S = Spring, SU = Summer

Term	Course #	Cr.	Course Title	Requisites (prereq-before/coreq-with)	Online
1	890-155	1	☑ Gateway to Success (G2S)		F
1	*107-011	3	IT in Business		F
1	*150-114	3	🎓 Network Concepts—CCNA 1	Coreq: 804-135	F
1	*150-182	3	IoT: Connecting Devices		F
1	804-135	3	Quantitative Reasoning	Prereq: 834-109	F
2	*107-193	3	🎓 IT Essentials		S
2	*150-109	3	🎓 Network Admin MS I 2016	Prereq: 105-114; Coreq: 801-136	S
2	*150-145	3	IT Scripting		S
2	801-136	3	English Composition 1	Prereq: 831-103 OR 831-107	S
2	809-198	3	Psychology, Introduction to	Prereq: 838-105 OR 831-107	S
3	*150-110	3	Network Admin MS 2 2016	Prereq: 150-109; 804-135	SU
3	*150-124	3	🎓 Routing—CCNA 2	Prereq: 150-114	SU
3	809-196	3	Sociology, Introduction to	Prereq: 838-105 OR 831-107	SU
4	*150-181	4	Cloud Technologies	Prereq: 150-124	F
4	*150-194	3	Network Security		F
4	801-197	3	Technical Reporting	Prereq: 801-136	F
4	XXX-XXX	3	Elective Course	Take 3 credits at the associate degree level. Suggested electives listed on back.	F
5	*150-113	4	Network Administration—Linux	Prereq: 150-109	S
5	*150-183	3	VCP-Virtualization	Prereq: 150-110	S
5	*150-136	3	Server Technologies	Prereq: 107-193; 801-197	S
5	*107-013	1	IT Job Skills	Prereq: 150-114	S

Minimum Program Total Credits Required: 61

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- ☑ = Mastery of this course will put students on a path to achieve successful degree completion, on-time graduation and enrich the college experience. Students are required to take this course in their first semester of enrollment. Please see an advisor for details.
- 🎓 = Milestone Course. Faculty have identified this course as providing a strong foundation for success throughout the program.
- (*) indicates students must achieve a combined average of 2.0 ("C") or above for these major courses to meet graduation requirements.





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IT-Network Specialist is designed to prepare students for a professional career in the computer network field. The program takes the students from the beginning architectural design process through installations, configuration, administration, and tuning of microcomputer network environments. Additional topics incorporated into the program include cross-platform and enterprise network environments.

Program Learning Outcomes

Graduates will be able to:

1. Implement computer networks.
2. Implement client systems.
3. Implement server operating systems.
4. Implement network security components.
5. Develop technical documentation.
6. Troubleshoot network systems.

Essential Career Competencies

Gateway's six essential career competencies are the general attitudes and skills promoted and assessed by all programs. All Gateway graduates will develop skills in:

- Communication Competence
- Professionalism and Career Management
- Cultural Competence
- Critical Thinking and Problem Solving
- Teamwork and Collaboration
- Technology Competence

Suggested Electives:

150-106 Intrusion Detection Systems	150-180 What's in the Cloud?
150-131 Network Internship	150-146 Cybersecurity
107-177 IT Project Management	150-135 Switching & Wans CCNA 3&4
151-120 Cloud Data Security	150-115 IoT: Securing Devices

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