



**Part-Time Pathway to Success**

School of Manufacturing, Engineering, and Information Technology

**IT – Network Specialist (10-150-2)**

Associate of Applied Science

**Effective 2021/2022**

*The course sequence shown on this sheet is the recommended path to completion. Courses will be scheduled in the terms indicated here. All courses should be taken in the order shown to help you stay on track and graduate according to your academic plan.*

**E-D = Elkhorn/days, R-D = Racine/days, O = Online, F=Fall, S=Spring, SU=Summer**

Term	Course #	Cr.	Course Title	Requisites (prereq- before/ coreq-with)	E-D	R-D	O
1	890-155	1	📍 Gateway to Success (G2S)		F	F	F
1	*150-114	3	🎓 Network Concepts–CCNA 1 <sup>3</sup>	Coreq: 804-135	F	F	F
1	804-135	3	Quantitative Reasoning <sup>1</sup>	Prereq: 834-109	F	F	F
1	*150-194	3	Network Security <sup>3</sup>		F	F	F
2	*107-193	3	🎓 IT Essentials <sup>3</sup>		S	S	S
2	*150-124	3	Routing – CCNA 2 <sup>3</sup>	Prereq: 150-114	S	S	S
2	801-136	3	English Composition 1 <sup>1,3</sup>	Prereq: 831-103 OR 831-107	S	S	S
3	*150-182	3	IoT: Connecting Devices		SU	SU	SU
3	*150-119	3	🎓 Network Admin MS I 2019	Prereq: 150-114; Coreq: 801-136	SU	SU	SU
3	801-197	3	Technical Reporting	Prereq: 801-136	SU	SU	SU
4	*150-145	3	IT Scripting		F	F	F
4	*150-120	3	Network Admin MS 2 2019	Prereq: 150-119 OR 150-109, 804-135	F	F	F
4	*150-181	4	Cloud Technologies <sup>3</sup>	Prereq: 150-124	F	F	F
5	*150-150	3	Red Hat Enterprise Linux I	Prereq: 150-109 OR 150-119	S	S	S
5	*150-183	3	VCP – Virtualization <sup>3</sup>	Prereq: 150-110 OR 150-120	S	S	S
5	*150-136	3	Server Technologies <sup>3</sup>	Prereq: 107-193; 801-197	S	S	S
6	*107-011	3	IT in Business <sup>3</sup>		SU	SU	SU
6	809-196	3	Sociology, Introduction to <sup>1,2,3</sup>	Prereq: 838-105 OR 831-107	SU	SU	SU
7	809-198	3	Psychology, Introduction to <sup>1,2,3</sup>	Prereq: 838-105 OR 831-107	F	F	F
7	*107-013	1	IT Job Skills <sup>3</sup>	Prereq: Instructor Consent	F	F	F
7	*150-151	3	Red Hat Enterprise Linux II	Prereq: 150-150	F	F	F

**Minimum Program Total Credits Required: 60**

Notes associated with courses (identified by a superscript number at the end of the course title) are located on the back of the sheet.

📍 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 minimum of 2.0 ("C") or above for these major courses to meet graduation requirements.

## IT – Network Specialist (10-150-2)

*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 installation, 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
- Professionalism and Career Management
- Cultural Competence
- Critical Thinking and Problem Solving
- Teamwork and Collaboration
- Technology Competence

### Admission Requirements

1. Students must submit an application and pay \$30 fee.
2. Students must meet one of the following: minimum cumulative high school GPA of 2.6 (unweighted); earned at least 12 college credits with a minimum GPA of 2.0; or complete valid reading, writing, and math placement assessments.

### Graduation Requirements

- Minimum 60 credits with an average of 2.0 or above.
- \*Minimum of 2.0 ("C") or above for these major courses.
- Complete 890-155 Gateway to Success (G2S) in the first semester.

For a complete list of Graduation Requirements, check the Student Handbook or [Graduation Requirements](#).

### Notes

1. A satisfactory placement test score (or successful remediation) is required prior to enrollment. See an advisor for details.
2. Transfer credits in Social Science may substitute for this course. See an advisor for details.
3. A credit for prior learning assessment is available for this course. For more information, please contact [cfpl@gtc.edu](mailto:cfpl@gtc.edu).

### Accreditation Statement

Gateway Technical College's IT-Network Specialist program is fully accredited and in good standing with the Accreditation Council for Business Schools and programs [[www.acbsp.org](http://www.acbsp.org)].

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[www.acbsp.org](http://www.acbsp.org)

Gateway Technical College reserves the right to modify curriculum requirements for students who interrupt enrollment for a period of two years or take over seven years to complete. Tuition and material fees are determined by the board of the Wisconsin Technical College System. Consult My Gateway for exact fee amounts. Occasionally, the District may offer a particular course out of published sequence. By doing so, the District does not obligate itself to offer succeeding courses out of published sequence.