GATEWAY TECHNICAL COLLEGE

Effective 2015/2016

Career Cluster ►	Career Pathway ►	**IT-NETWORK SPECIALIST**
Information Technology	Network Systems	**(10-150-2A)** *Associate of Applied Science Degree* **Most Courses Offered at Elkhorn and Racine Campuses**

Δ*Suggested Sequence*	√	*Course Number*		*Course Title*	*Requisites*	*Credits*	*Hrs/Wk Lec - Lab*
Semester 1		107-011	*	IT in Business		3	2-2
		107-193	*	IT Essentials		3	2-2
		150-105	*	Intro to Networking / Web Concepts		3	2-2
		150-114	*	Network Concepts – CCNA 1		3	2-2
		801-198 801-196	OR	Speech Oral/Interpersonal Communications	Prereq: 838-105 (See Note 1)	3	3-0
		804-133 804-107	OR	Mathematics and Logic College Math	Prereq: 834-110 (See Note 1) Prereq: 834-109 (See Note 1)	3	3-0
Semester 2		150-111	*	Network Administration – Microsoft		3	2-2
		150-124	*	Routing – CCNA 2	Prereq: 150-114	3	2-2
		152-126	*	Intro to Prog. & Database Concepts		4	3-2
		801-136		English Composition 1	Prereq: 831-103 (See Note 1)	3	3-0
		809-198		Psychology, Introduction to	Prereq: 838-105 (See Note 1 & 3)	3	3-0
Semester 3		150-108	*	Virtual Technologies		3	2-2
		150-135	*	Switching & WANs – CCNA 3 & 4	Prereq: 150-124	4	2-4
		150-194	*	Network Security		3	2-2
		801-197		Technical Reporting	Prereq: 801-136	3	3-0
		809-196		Sociology, Introduction to	Prereq: 838-105 (See Note 1 & 3)	3	3-0
		809-195 809-143 809-144	OR	Economics Microeconomics Macroeconomics	Prereq: 838-105 (See Note 1)	3	3-0
Semester 4		150-113	*	Network Administration – Linux/Unix		4	2-4
		150-132	*	Active Directory Administration	Prereq: 150-111	3	2-2
		150-136	*	Server Technologies	Prereq: 150-105 & 107-193	3	2-2
		107-013	*	IT Job Skills	Prereq: 150-114	1	1-0
Electives		*Take 6 elective credits. Any associate degree level course may be taken as an elective.* *Suggested Electives:* 150-106 Intrusion Detection Systems (3 Cr) 150-131 Network Internship (3 Cr) 150-180 What's in the Cloud? (3 Cr.) 150-133 Message Service Admin (4 Cr)				*6*	

Minimum Program Total Credits Required   *70*

Δ*Courses may be taken out of suggested sequence as long as requisites have been met.*

PROGRAM DESCRIPTION

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 of the IT-Network Specialist Associate Degree program should 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.

CORE ABILITIES

Gateway believes students need both technical knowledge and skills and core abilities in order to succeed in a career and in life. The following nine core abilities are the general attitudes and skills promoted and assessed by all Gateway programs. All Gateway graduates should be able to:

1. Act responsibly
2. Communicate clearly and effectively
3. Demonstrate essential comp. skills
4. Demonstrate essential math skills
5. Develop job seeking skills
6. Respect themselves and others as a member of a diverse community
7. Think critically and creatively
8. Work cooperatively
9. Value learning

ADMISSION REQUIREMENTS

1. Students must submit an application & $30 fee.
2. Students must complete reading, writing, math, and computer skills placement assessments.
3. Students must submit official high school, GED, or HSED transcript.

GRADUATION REQUIREMENTS

1. Minimum 70 credits with an average of 2.0 or above.
2. *Minimum of 2.0 ("C") or above for these major courses.

For a complete list of Graduation Requirements check the Student Handbook.

NOTES

1. A satisfactory placement test score (or successful remediation) is required prior to enrollment. See an advisor for details.
2. Any course may be taken prior to entry in the program, assuming prerequisites and corequisites have been satisfied (or waived with departmental approval).
3. Transfer credits in Social Science may substitute for this course. See an advisor for details.

OTHER INFORMATION

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 Web Advisor 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.

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To schedule an appointment with an advisor, please call 1-800-247-7122.
For a complete list of course descriptions (and possible online courses) for this program, please consult Web Advisor on our web page at www.gtc.edu.

My advisor is _____.   My advisor's contact information is _____.