Δ*Suggested Sequence*	√	*Course Number*		*Course Title*	*Requisites*	*Credits*	*Hrs/Wk Lec - Lab*
Semester 1		150-114	*	Network Concepts – CCNA 1		3	2-2
		150-127	*	Security Laws & Policies		3	2-2
		150-194	*	Network Security		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
		809-198		Psychology, Introduction to	Prereq: 838-105 (See Note 1)	3	3-0
Semester 2		150-107	*	Scripting	Coreq: 150-111	3	2-2
		150-111	*	Network Administration – Microsoft		3	2-2
		150-113	*	Network Administration – Linux/Unix		4	2-4
		150-124	*	Routing – CCNA 2	Prereq: 150-114	3	2-2
		801-136		English Composition 1	Prereq: 831-103 (See Note 1)	3	3-0
Semester 3		150-106	*	Intrusion Detection Systems	Prereq: 150-194	3	2-2
		150-129	*	Mobile Security	Prereq: 150-124	3	2-2
		150-135	*	Switching & WANs – CCNA 3 & 4	Prereq: 150-124	4	2-4
		801-197		Technical Reporting	Prereq: 801-136	3	3-0
		809-196		Sociology, Introduction to	Prereq: 838-105 (See Note 1)	3	3-0
		809-195 809-143 809-144	**OR**	Economics Microeconomics Macroeconomics	Prereq: 838-105 (See Note 1)	3	3-0
Semester 4		150-125	*	CCNA Security	Prereq: 150-135	4	2-4
		150-126	*	Network Security Design	Prereq: 150-135	3	2-2
		150-128	*	VoIP	Prereq: 150-135	4	2-4
Electives				*Take 6 elective credits. Any associate degree level course may be taken as an elective.*		*6*	
				Suggested Electives: 150-108 Virtual Technologies (3Cr.)	150-180 What's in the Cloud? (3 Cr.)		

Minimum Program Total Credits Required   **70**

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

	Career Cluster ►	**Career Pathway** ►	**IT-NETWORK SPECIALIST**
GATEWAY TECHNICAL COLLEGE **Effective 2014/2015**	Information Technology	Network Systems	**(10-150-2B) – Security Analyst** *Associate of Applied Science Degree* **Most Courses Offered at Elkhorn** **and Racine Campuses**

PROGRAM DESCRIPTION

IT-Network Specialist-Security Analyst is designed to prepare students for a professional career in the network security field. The program trains students in how to create a quality Risk Management strategy in order to secure a network environment. Students will complete the following tasks: create security policies and procedures, install VoIP systems, install and configure firewalls and secure VPNs. Additional topics include designing a secure network environment and monitoring systems using IDS/IPS.

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).

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 the Master Class Schedule 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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