

Network Principles

Fall 2020 • 150-301 • 2 Credits

Meeting Dates and Time: Click or tap here to enter text.

Start Date: 9/1/2020 • **End Date:** Click or tap to enter a date.

Instructional Delivery Method: Face to Face, Choose an item., Choose an item.

Location: Gateway Technical College • Elkhorn Campus • 400 County Road H • Elkhorn, WI 53121

Building: North • **Room:** S237

Instructor: Click or tap here to enter text.

E-Mail: Click or tap here to enter text.

Phone: Click or tap here to enter text.

Office: Choose an item.

Room: Click or tap here to enter text.

Office Hours: Click or tap here to enter text.

Underlined text links out to additional information relating to the topic.

Course Information

Course Description:

This course will provide you with networking concepts. Topics will include the OSI model, wireless, security, topologies, basic router setup and switch configuration, network connectivity, and hardware and software configurations. You will also learn how to create local area networks. Individuals will learn real-world skills related to employment.

Required Text And Course Materials:

MTA Network fundamentals ISBN: 9781119428824 (PBK), Wiley.

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Course Competencies:

1. Compare network technologies.
2. Utilize network terminology.
3. Explain the common methods of creating networks.
4. Implement basic network connectivity.
5. Design an IP addressing scheme.
6. Implement IP addressing on a network.

Course Outcome Summary:

Essential Career Competencies:

Gateway believes students need both technical knowledge/skills and core abilities in order to succeed in a career and in life. The core abilities are the general attitudes and skills promoted and assessed in all Gateway programs.

Course Section Requirements & Policies

Course Attendance/Participation Policy:

You must complete the census assignment (syllabus acknowledgment) to stay in the course. You must also stay current with the homework each week to stay enrolled in the course.

Course Grading Policy:

Late Work: *May be accepted up to 1 week late only at a 50% point reduction.(one time) Late work will not be accepted after the one week grace period.*

Key Dates:

Click or tap here to enter text.

Additional Resources:

Click or tap here to enter text.

Course Section Calendar

[Gateway Academic Calendar]

Course calendar may change due to class progress.

Week:	Assignment	Due Date:
1	Welcome House Keeping/ Class expectations Lesson 1 – labs	Will vary due to class progress. See instructor for lesson due dates.
2	Continue lesson 1 labs Lesson 2 – labs	
3	Lesson 3 – labs	
4	Lesson 3 labs Lesson 4 - labs (IP addressing and subnets)	
5	Lesson 4 continued	
6	Lesson 4 continued	
7	Lesson 5 - labs	
8	Lesson 5 continued	
9	Lesson 6	
10	Lesson 6	
11	Lesson 7	
12	Lesson 8	
13	Final skills exam	
14	Grades posted	

Department Policies

To view the current Policies for this programs department, please click the above link.

College Policies

The policies and procedures outlined in the **Gateway Student Handbook**.

Academic Honesty:

Academic integrity is a major expectation in this course. Any student found to be cheating or submitting unoriginal, copied, or plagiarized work in this class will receive an automatic zero on that work.

Alcohol and Drug Policy:

Alcohol in any shape or form is prohibited on all Gateway property without consent. Any illicit drug in any shape or form is prohibited on Gateway properties and campuses. Any persons under the influence of any illicit drug or alcoholic substance, legal or illegal, are prohibited on Gateway properties and campuses.

College Attendance Policy:

Gateway Technical College recognizes the importance of attendance in the learning process but does not believe that attendance in and of itself constitutes learning. Instructors will document in their course syllabi fair and reasonable attendance policies for their classes based on their subject matter, delivery methods, learning activities, student audience, external regulations, and employer expectations in their field of instruction.

Concealed Carry/Weapons Policy:

Weapons including but not limited to firearms and knives are not permitted on Gateway properties and campuses except by authorized law enforcement representatives.

Computer Networking & Information Resources:

Your use of Gateway computing and networking resources and information systems is governed by federal and state law; acceptable Internet use practices; Gateway policies; this Computing, Networking and Information. Resources policy; and sub-policies under this policy set. Additionally, all Gateway policies regarding the appropriate use of Gateway resources and responsible personal conduct apply to your use of Gateway computing and networking resources and information systems.

Digital Courtesy Statement:

Many students like to record lectures but it is important to obtain the instructor's permission before doing so. If you obtain permission to record, you should do so in an unobtrusive manner to avoid distracting your classmates. Copyrighted material cannot be recorded, eg videotapes, etc.

If you carry a cell phone to class, silence or turn it off for the duration of the class. Refrain from reading and composing text messages during class. This is especially critical during tests.

Federal Family Educational Rights & Privacy Act (FERPA):

Gateway Technical College complies with the provisions of FERPA. Prior written consent from a student must be obtained before information may be disclosed by Gateway Technical College to third parties, unless the information or the individual or group making the request is exempted by the policy and the Family Educational Rights and Privacy Act of 1974.

Pregnant and Parenting Students:

Gateway Technical College does not discriminate against any student on the basis of pregnancy or related conditions. Pregnant and parenting students are eligible for protection and accommodation under Title IX.

Sexual Misconduct (Title IX) and Discrimination:

Gateway Technical College seeks to provide an environment that promotes equal opportunity free from discrimination and harassment. If you have been a victim of sexual harassment, sexual misconduct, sexual assault, or any other form of protected class discrimination, we encourage you to make a report.

Student Code of Conduct:

The Gateway District believes every student has the right to pursue an education free from disruption, harassment, illegal activities, threats, or danger. The District further believes that academic honesty and integrity are fundamental to the educational mission of this College. Every student is expected to comply with the standards set and to be familiar with all the rules, regulations, and policies of Gateway Technical College.

Student Due Process Rights:

The Gateway District believes that students need a process to address academic concerns (i.e. grades, classroom policies) and bring their issues to the faculty and administration’s attention. These procedures are intended to afford students, faculty, and the College fair and equal treatment. The student may seek guidance from a Student Services counselor who will assist the student in understanding the process. All complaints must be filed within one (1) year of occurrence.

Student Religious Accommodations Policy:

In compliance with Wisconsin Administrative Code, Gateway Technical College will make reasonable accommodation of a student’s religious beliefs. A student may request reasonable accommodation from his/her instructor with regard to examinations and other academic requirements.

Tobacco Policy:

This policy is applicable and extends coverage to all Gateway Technical College Campuses, Centers, and grounds with no exceptions at any time (24/7). A tobacco-free/smoke-free workplace will increase quality of life for employees, decrease absenteeism, and saves on other health-related personnel costs.

College Resources

Care Team:

This multi-disciplinary team of leaders from across the college focuses on intervening in situations involving both students and staff who are experiencing distress, or engaging in harmful or disruptive behavior. The CARE team meets regularly and reviews all CARE team reports submitted.

IDEA Course Evaluations:

Gateway is focused on the quality of your education. Course evaluations help instructors identify what is working in class and look for opportunities for improvement. Student feedback is valued and helps Gateway ensure you are receiving the highest quality education. You may be asked to complete an evaluation for one or more of your courses each semester. Completing your course evaluations is quick and can be done anytime online.

Pandemic Emergencies:

Should there be a public health pandemic emergency, and school is closed for any length of time, this course will continue to be taught via Internet/Blackboard unless you are notified by the school or your instructor.

Support and Disabilities Service:

Gateway's Learning Success team is here to help you succeed during your time at Gateway. We aim to empower you to do your best by offering a wide variety of no-cost academic assistance and support services.

Wisconsin TechConnect:

Is an online job and internship search tool that connects you and your skills with thousands of Wisconsin employers who need them. This free resource is designed for degree-seeking students and graduates.

Instructions for setting up an account.

This course syllabus was created/revised [Click or tap to enter a date.](#) and is subject to change at the instructor's discretion. All changes will be announced in Blackboard.