

TEIT 2100 Computer Networks Course Syllabus

Welcome to the Computer Networks course! Computer Networks provides instruction on the installation, configuration, management, and troubleshooting of common components of modern computer networks. This course prepares candidates to support networks across multiple platforms and aligns with the objectives of the CompTIA Network+ certification exam.

Course Length: 4 Credits/120 Hours

Prerequisites: TEIT 1100 Introduction to Networking

Course Pace: It is expected that students will discuss goal dates with their instructor based on the number of credits the student is enrolled in. These goal dates will be added to Canvas to provide students with a road map towards successfully completing the courses they are enrolled in within the semester.

Course Duration: <based on semester end date>

Textbooks and Required Materials

Students are strongly recommended to complete TEIT 1100 Introduction to Networking prior to enrolling in this course. In that course, students will have purchased CertMaster Learn for Network+ and completed four of the chapters. Students will continue to use CertMaster Learn for Network+ (ISBN: 978-1-642745-24-5). Instructions for purchasing CertMaster Learn for Network+ are found in the introductory course modules materials.

While we have resources available for students in the classroom, we recommend students bring their own preferred note-taking materials including paper, pen/pencil, highlighter, as well as headphones for listening to online video content.

This course will use Canvas for the course outline, assignments, due dates, assignment submission, links to core and supplemental learning materials, and other content. Canvas can be accessed using your MySLCC login information at slcc.instructure.com.

College-Wide Learning Outcomes: The Core Themes of SLCC's Mission focus on Access and Success, Transfer Education, Workforce Education and Community Engagement. As such, all courses and programs address one or more of the below College-Wide Learning Outcomes.

Upon successful completion of any program at SLCC, students should:

1. Acquire substantive knowledge in the discipline of their choice sufficient for further study, and/or demonstrate competencies required by employers to be hired and succeed in the workplace.
2. Learn to communicate effectively.
3. Develop quantitative literacies necessary for their chosen field of study.
4. Learn to think critically.

- Develop the knowledge and skills to be civically engaged, and/or to work with others in a professional and constructive manner.

TEIT 2100 Course Learning Outcomes

Upon completion of this course, students will be able to:

- Install, configure, and verify the functionality of networking devices and components given multiple scenarios.
- Demonstrate an understanding of core networking concepts and terminology.
- Identify network security vulnerabilities and mitigations.
- Implement security for a basic network.
- Compare and contrast business continuity and disaster recovery concepts.
- Troubleshoot common network connectivity issues.

Grading and Evaluation Criteria

Students earn points by completing the following assignments found in the Canvas modules.

| | Number | Points Possible | % of Grade |
|---|--------------|-----------------|------------|
| Chapter Quizzes | 9 | 263 | 45% |
| Lab Activities | 105 | 210 | 45% |
| Final Skills Exam (From a pool of ~100 simulated lab activities) | 1 | 100 | 10% |
| | Total | 573 | |

| Grade | Min |
|-------|-----|
| A | 93% |
| A- | 90% |
| B+ | 87% |
| B | 83% |
| B- | 80% |
| C+ | 77% |
| C | 73% |
| C- | 70% |
| D+ | 67% |
| D | 63% |
| D- | 60% |
| E | <60 |

Course Capstone

Students take the CertMaster Learn for Network+ Assessment in the classroom. With the purchase of CertMaster Learn, each student will have one free attempt at this skills-based certification exam. Students will take this timed, closed-book exam under instructor supervision in the classroom.

Assignment Grading

During regular classroom hours, instructors are quick to grade submitted assignments but may take up to 24-hours to grade. Assignments are typically not graded during non-instructional hours including unscheduled weekend hours, holidays, semester breaks, etc.

Meaningful Contact

Students are encouraged to attend the classroom as frequently as possible and are expected to maintain regular meaningful contact with an instructor to stay on track with completing the course within the allotted course time. Meaningful contact should consist of classroom instruction and a review of course progress and goals. Two-way meaningful contact typically takes place face-to-face in the classroom or through our online classroom in Zoom.

Computer & Network Technology Department Faculty

We welcome and encourage students to reach out to any of our excellent instructional support team members at any time should you have questions about the training program, study materials, progress requirements, course expectations, etc. Please reach out to us through Canvas, join the online Zoom classroom, come to the physical classroom, or call or email us. We are here to support your success!

Institutional Syllabus

Please read the Institutional Syllabus found near the bottom left of the Canvas menu for further important information about college policies, student code of conduct, learning support and tutoring services, and advising and counseling support services. Students are expected to be aware of and follow the code of student rights and responsibilities.