

CREDIT

3 Semester Credit Hours (2 hours lecture, 4 hours lab)

MODE OF INSTRUCTION

Online

PREREQUISITE/CO-REQUISITE:

None

COURSE DESCRIPTION

Integration of hardware, software, and applications. Customization of computer systems for specific applications such as engineering, multimedia, or data acquisition. *This course is time-bound, structured, and completed online.*

COURSE OBJECTIVES

Upon completion of this course, the student will be able to

- Integrate special applications in the areas of multimedia, data acquisition, or engineering.
- Install and maintain various hardware and software components for specialized applications.
- Analyze and test system operations.

INSTRUCTOR CONTACT INFORMATION

Instructor: Tim Storbeck
Email: tjstorbeck@lit.edu
Office Phone: 409 247 5236
Office Location: TA4-109B
Office Hours: MTWR: 8:00-9:00, Online

REQUIRED TEXTBOOK AND MATERIALS

Cengage MindTap access to *CompTIA Network+ Guide to Networks, 10th Edition*, West; Cengage, 2023

a. How to buy your Course Materials

- Sign into Blackboard and click on this course.
- Step 2: Click on the Cengage link in the **Introduction** section
- Step 3: Create or sign into your Cengage account to access or purchase the materials for this course.

NOTE: If you are taking additional courses that use Cengage materials, you can save by purchasing a **Cengage Unlimited** plan, which gives you access to all Cengage eTextbooks and online homework platforms for one price.

Visit cengage.com/unlimited or your campus bookstore to learn more.

ATTENDANCE POLICY

This is a fully online class. You are expected to log into BlackBoard 3 to 4 times a week to check for updates and announcements.

DROP POLICY

If you wish to drop a course, you are responsible for initiating and completing the drop process by the specified drop date as listed on the [Academic Calendar](#). If you stop coming to class and fail to drop the course, you will earn an "F" in the course.

Last Day to Drop with Refund	06/16/2026
Last Day to Pay Tuition to Avoid Drop	06/22/2026
Last Day to Drop without Academic Penalty	06/22/2026
Last Day to Drop with Academic Penalty	07/17/2026

COURSE CALENDAR (Subject to change)

DATE	TOPIC	READINGS	DUE DATE	ASSIGNMENTS
Week 1 6/1-6/7	Syllabus & Introduction to Networking	Module 1	6/8/2026	Live VM Lab 1.1, Live VM Lab 1.2, Live VM Lab 1.3, Module 1 Quiz
Week 2 6/8-6/14	Infrastructure & Documentation	Module 2	6/15/2026	Live VM Lab 2.1, Live VM Lab 2.2, Live VM Lab 2.3, Live VM Lab 2.4, Module 2 Quiz
Week 3 6/15-6/21	Addressing	Module 3	6/22/2026	Live VM Lab 3.1, Live VM Lab 3.2, Live VM Lab 3.3, Live VM Lab 3.4, Module 3 Quiz
Week 4 6/22-6/28	Protocols	Module 4	6/29/2026	Live VM Lab 4.1, Live VM Lab 4.2, Live VM Lab 4.3, Module 4 Quiz, Test 1
Week 5 6/29-7/5	Cabling	Module 5	7/6/2026	Live VM Lab 5.1, Live VM Lab 5.2, Live VM Lab 5.3, Live VM Lab 5.4, Module 5 Quiz
Week 6 7/5-7/12	Wireless Networking	Module 6	7/13/2026	Live VM Lab 6.1, Live VM Lab 6.2, Module 6 Quiz
Week 7 7/13-7/19	Network Architecture	Module 7	7/20/2026	Live VM Lab 7.1, Live VM Lab 7.2, Live VM Lab 7.3, Live VM Lab 7.4, Module 7 Quiz
Week 8 7/20-7/26	Segmentation & Wide Area Networking	Module 8-9	7/27/2026	Sim. Lab 8.1, Sim. Lab 8.2, Module 8 Quiz Live VM Lab 9.1, Module 9 Quiz Test 2
Week 9 7/27-8/2	Risk Management	Module 10	8/3/2026	Live VM Lab 10.1, Live VM Lab 10.2, Live VM Lab 10.3, Module 10 Quiz

Week 10 8/3-8/9	Security in Network Design	Module 11	8/10/2026	Live VM Lab 11.1, Live VM Lab 11.2, Module 11 Quiz
Week 11 8/10-8/14	Performance & Recovery	Module 12	8/14/2026	Live VM Lab 12.1, Live VM Lab 12.2, Live VM Lab 12.3 Module 12 Quiz, Test 3
Week 11 8/10-8/14	Final Exam	Final Exam	8/14/2026	<u>Final Exam</u>

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

- Assignment 20%
- Module Quizzes 25%
- Final Exam 30%
- Test 25%

GRADING SCALE

90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F

You must make a C or better for all required program classes. You must make a D or better for all general education classes.

ACADEMIC DISHONESTY

Students found to be committing academic dishonesty (cheating, plagiarism, or collusion) may receive disciplinary action. Students need to familiarize themselves with the institution's Academic Dishonesty Policy available in the Student Catalog & Handbook at <http://catalog.lit.edu/content.php?catoid=3> HYPERLINK "http://catalog.lit.edu/content.php?catoid=3&navoid=80&academic-dishonesty"& HYPERLINK "http://catalog.lit.edu/content.php?catoid=3&navoid=80&academic-dishonesty"navoid=80#academic-dishonesty HYPERLINK "http://catalog.lit.edu/content.php?catoid=3&navoid=80&academic-dishonesty" .

TECHNICAL REQUIREMENTS

The latest technical requirements, including hardware, compatible browsers, operating systems, etc. can be online at <https://lit.edu/online-learning/online-learning-minimum-computer-requirements> **HYPERLINK "https://lit.edu/online-learning/online-learning-minimum-computer-requirements"**. A functional broadband internet connection, such as DSL, cable, or Wi-Fi is necessary to maximize the use of online technology and resources.

DISABILITIES STATEMENT

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504, and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles' Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)-951-5708 or email specialpopulations@lit.edu. You may also visit the online resource at [Special Populations - Lamar Institute of Technology \(lit.edu\)](#).

STUDENT CODE OF CONDUCT STATEMENT

All registered Lamar Institute of Technology students are responsible for accessing, reading, understanding, and abiding by all published policies, regulations, and procedures listed in the LIT Catalog and Student Handbook. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu **HYPERLINK "http://www.lit.edu/"**. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

ARTIFICIAL INTELLIGENCE STATEMENT

Lamar Institute of Technology (LIT) recognizes the recent advances in Artificial Intelligence (AI), such as ChatGPT, have changed the landscape of many career disciplines and will impact many students in and out of the classroom. To prepare students for their selected careers, LIT desires to guide students in the ethical use of these technologies and incorporate AI into classroom instruction and assignments appropriately. Appropriate use of these technologies is at the instructor's discretion. Students are reminded that all submitted work must be their own original work

unless otherwise specified. Students should contact their instructor with questions about the acceptable use of AI/ChatGPT in their courses.

STARFISH

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance.

Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

ADDITIONAL COURSE POLICIES/INFORMATION

- All assignment due dates are indicated in the Blackboard course for this class. Any work submitted after the assigned due date will receive a 10 point per week deduction.
- Grades for assignments may be accessed through Gradebook in Blackboard. Each assignment shows your grade, and any grading comments made on your assignment.
- All assignments must be turned in before the final exam.

COMMUNICATING WITH YOUR INSTRUCTOR

- Email is the preferred method for contacting the instructor.
- You must email from your LIT student email account when contacting the instructor.
- You must include the course number (CPMT 2333) and section number (section 2B4).
- Please allow 24 hours during the week and 48 hours on the weekend for a response.

EAGLE LEARNING ESSENTIALS

Eagle Learning Essentials (ELE) <https://lit.edu/student-success/eagle-learning-essentials> is an affordable textbook rental program through the Barnes and Noble Bookstore. Through this program, students can receive required textbooks, lab manuals, access codes and electronic books conveniently before the first day of class. The ELE bundle will provide the needed learning materials at \$14 per credit hour (added to your student account), saving students up to 35-50% on the cost of course materials. The cost can be paid by financial aid or by the student. If a student enrolls in a payment plan, this charge will be included in the payment plan calculations. Supplies are not included in this program and will need to be purchased separately.

LIT students are automatically enrolled in the program at the time of registration and will begin receiving emails about selecting their preferred delivery method.

Certification Requirement

Cyber Security and Networking Technology (CSNT) majors are required to earn certification in one of the following areas prior to graduation.

- A+ Certification
- Network+ Certification
- Security+ Certification
- Linux+ Certification
- Cisco Certified Network Associate (CCNA)