

COMPUTER INTEGRATION (CPMT 2333 2A4)

INSTRUCTOR CONTACT INFORMATION

Instructor: Bonnie S. Cobb
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Department Office Phone: (409) 839-2092
Department Office Location: TA-4, Room 103
Online Office Hours: Flexible. Contact by email.



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.

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 application.
- Analyze and test system operations.

REQUIRED TEXTBOOK AND MATERIALS

1. Cengage MindTap access to ***CompTIA® Network+ Guide to Networks, 9th Edition, West, Jill; Cengage, 2022. ISBN-13: 978-0357508183***

- a. **How to buy** your Course Materials

- i. Sign into Blackboard and click on this course
- ii. Click on the Cengage link: Getting Started in the ***Getting Started with Cengage MindTap*** section.
- iii. 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](https://www.cengage.com/unlimited) or your campus bookstore to learn more.

- b. Beware of sites that are selling discounted codes. These sources are likely unauthorized sellers who have acquired access codes illegally, and transactions with such sources may pose a risk to your personal information.

- c. Need help? Visit startstrong.cengage.com for step-by-step registration instructions and videos.
- 2. Computer with internet access.
- 3. Computer Networking and Troubleshooting Technology and Cyber Security students are required to have one 64 GB or larger capacity USB Flash Drive to be used for the duration of the time to complete their respective degree.

ATTENDANCE POLICY

You must log onto Blackboard and access this course a minimum of three times per week.

DROP POLICY

If you wish to drop a course, you are responsible for initiating and completing the drop process. If you stop coming to class and fail to drop the course, you will earn an “F” in the course.

COURSE CALENDAR

WEEK	MODULE	ASSIGNMENTS DUE DATE
1	Module 00: Course Orientation; Module 01: Introduction to Networking	2/19/2023
2	Module 02: Infrastructure and Documentation	2/26/2023
3	Module 03: Addressing	3/5/2023
4	Module 04: Protocols	3/12/2023
5	Module 05: Cabling	3/19/2023
6	Module 06: Wireless Networking	3/26/2023
7	Module 07: Network Architecture	4/2/2023
8	Module 08: Segmentation	4/9/2023
9	Module 09: Wide Area Networking	4/16/2023
10	Module 10: Risk Management	4/23/2023
11	Module 11: Security in Network Design	4/30/2023
12	Module 12: Performance and Recovery	5/7/2023

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

- Labs 30%
- Study Guides 10%
- Module Tests 30%
- Final Exam 30%

GRADE SCALE

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

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>. A functional broadband internet connection, such as DSL, cable, or WiFi 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

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide 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. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

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

1. The student can complete this course without physically visiting the institution offering the course.
2. The student will post discussions as instructed along with any other assignments instructed to complete.
3. Certification: If a student passes the certification test that is associated with this class, you will receive an “A” on the final exam and credit for 25% of your labs. If you have missed a previous test, you must still take the final exam to substitute for that grade.
4. A grade of ‘C’ or better must be earned in this course for credit toward degree requirement.
5. Internet Usage – Students are expected to use proper net etiquette while participating in course emails, assignment submissions, and online discussions.

CERTIFICATION REQUIREMENT

CSNT and CNTT majors are required to earn certification in one of the following areas prior to graduation.

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

This course covers the material to prepare for CompTIA’s Network+ certification, exam number N10-008. Students are responsible for scheduling and paying for the certification through the LIT Testing Center. More information about the certification can be found online at <https://certification.comptia.org/certifications/network>.