

COMPUTER INTEGRATION (CPMT 2333 6A1)

CREDIT

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

MODE OF INSTRUCTION

Face to face hybrid

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.

INSTRUCTOR CONTACT INFORMATION

Instructor: Tim Storbeck

Email: tjstorbeck@lit.edu

Department Office Phone: (409) 247-5236

Department Office Location: TA-4, Room 109

Office Hours: Posted outside my office and on Starfish

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 or your campus bookstore to learn more.



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- 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.

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	Topic	ASSIGNMENTS DUE DATE
Week 1 8/26-9/1	Module 00: Course Orientation	8/27/2024
Week 2 9/1-9/8	Module 01: Introduction to Networking;	9/9/2024
Week 3 9/8-9/15	Module 02: Infrastructure and Documentation	9//16/2024
Week 4 9/15-9/22	Module 03: Addressing	9/23/2024
Week 5 9/22-9/29	Module 04: Protocols	9/30/2024
Week 6 9/29-10/6	Module 05: Cabling	10/7/2024
Week 7 10/6-10/13	Module 06: Wireless Networking	10/14/2024
Week 8 10/13-10/20	Module 07: Network Architecture	10/21/2024
Week 9 10/20-10/27	Module 08: Segmentation	10/28/2024
Week 10 10/27-11/3	Module 09: Wide Area Networking	11/4/2024
Week 11 11/3-11/10	Module 10: Risk Management	11/11/2024
Week 12 11/10-11/17	Module 11: Security in Network Design	11/15/2024

Week 13 11/17-11/24	Module 12: Performance and Recovery	11/18-11/22
Week 14 11/24-12/1	Network + review for cert	11/26/2024
Week 15 12/1-12/8	Final preparation, and last week to turn in any late work	12/2-12/5
Week 16 12/8-12/12	Final Exam	12/10/2024

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

Online Labs	30%
Practice Tests (Study Guides)	10%
Module Quizzes	40%
Final Exam	20%

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. 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.
2. A grade of ‘C’ or better must be earned in this course for credit toward degree requirement.
3. Internet Usage – Students are expected to use proper net etiquette while participating in course emails, assignment submissions, and online discussions.

CERTIFICATION REQUIREMENT

CSNT 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>.