COMPUTER INTEGRATION (CPMT 2333 2A1)

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: Jennifer Graham
Email: jgraham2@lit.edu
Office Phone: 409 241 9837
Office Location: TA4-105B
Office Hours: **M**: 10:00-11:00 **WF**: 10:00-11:30 **TR:** 8:00-11:00

REQUIRED TEXTBOOK AND MATERIALS
Cengage MindTap access to *CompTIA Network+ Guide to Networks, 10th Edition*, West; Cengage, 2025

How to buy your Course Materials
1. Step 1: Sign into Blackboard and click on this course.
2. *Step 2: Click on the Cengage link in the **Introduction** section*
3. 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.

PARTICIPATION 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	02/04/2026
Last Day to Pay Tuition to Avoid Drop	02/16/2026
Last Day to Drop without Academic Penalty	02/20/2026
Last Day to Drop with Academic Penalty	04/13/2026

STUDENT EXPECTED TIME REQUIREMENT
For every hour in class (or unit of credit), students should expect to spend at least two to three Hours per week studying and completing assignments. For a 3-credit-hour class, students should
prepare to allocate approximately six to nine hours per week outside of class in a 16- week session OR approximately twelve to eighteen hours in an 8-week session. Online/Hybrid students
should expect to spend at least as much time in this course as in the traditional, face-to-face class.

COURSE CALENDAR (Subject to change)

DATE	TOPIC	READINGS	ASSIGNMENTS (Due on this Date)
Week 1 1/20-1/25	Syllabus, Knowledge Check & Introduction to Networking	Module 1	Syllabus Acknowledgement, Knowledge Check, Sim 1.1, 1.2, Live VM Lab 1.1, Quiz **1/26/2026**
Week 2 1/25-2/1	Infrastructure & Documentation	Module 2	Sim 1.1, 1.2 Live VM Lab 2.1, Quiz **2/2/2026**

Week 3 2/1-2/8	Addressing	Module 3	Sim 3.1, 3.2 Live VM Lab 3.1, Quiz **2/9/2026**
Week 4 2/8-2/15	Protocols	Module 4	Live VM Lab 4.1, Live VM Lab 4.2, Quiz, **2/16/2026**
Week 5 2/15-2/22	Module 1-4 Test	**Blackboard**	Module 1-4 Test **2/23/2026**
Week 6 2/23-3/1	Cabling	Module 5	Sim 5.1, 5.2 Live VM Lab 5.1, Quiz **3/2/2026**
Week 7 3/1-3/8	Wireless Networking	Module 6	Sim 6.1, 6.2 Live VM Lab 6.1, & Quiz **3/9/2026**
3/8-3/15	**Spring Break**	**Spring Break**	**Spring Break**
Week 8 3/15-3/22	Network Architecture	Module 7	Sim 7.1, 7.2 Live VM Lab 7.1, Quiz **3/23/2026**
Week 9 3/22-3/29	Segmentation	Module 8	Live VM Lab 8.1, 8.2, 8.3 & Quiz **3/30/2026**
Week 10 3/29-4/5	Module 5-8 Test	Blackboard	Module 5-8 Test **4/6/2026**
Week 11 4/5-4/12	Wide Area Networking	Module 9	Live VM Lab 9.1, 9.2 & Quiz **4/13/2026**
Week 12 4/12-4/19	Risk Management	Module 10	Live VM Lab 10.1, 10.2, Quiz **4/20/2026**
Week 13	Security in Network Design	Module 11	Sim 11.1, 11.2 Live VM Lab 11.1, Quiz **4/27/2026**
Week 14	Performance & Recovery	Module 12	Sim 12.1, 12.2, Live VM Lab 12.1, Quiz, **5/1/2026**
Week 15	Module 9-12 Test	Blackboard	Module 9-12 Test **5/8/226**
Week 16	**Final Exam**	**Final Exam**	**Final Exam** **5/11/2026**

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

- Lab   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

LIT does not use +/- grading scales

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&navoid=80#academic-dishonesty.

TECHNICAL REQUIREMENTS

For the latest technical requirements, including hardware, compatible browsers, operating systems, etc., review the Minimum Computer and Equipment Requirements on the LIT Online Experience page. 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
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. 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
Certification Requirement
Cyber Security majors are required to earn certification in one of the following areas prior to graduation. **Students are responsible for scheduling and paying for the certification through the LIT Testing Center.**

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

COURSE POLICIES

1. **Email is the preferred method of communication (jgraham2@lit.edu).** I cannot respond to Blackboard Messages, I can see them, but I have no way to respond. I will respond within 48 hours except for weekends and holidays.
2. You must email from your LIT student email account when contacting the instructor and include the course number (ITSY 1342) and section number (section 2A1).
3. Please allow 24 hours during the week and 48 hours on the weekend for a response.
4. 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.
5. Tests are assigned a due date and must be completed by that date. Tests will not be reactivated after the due date.
6. All tests will require lockdown browser. Please see "Test Browser" in the introduction section of the Blackboard course.
7. All written assignments should be submitted in APA format. Refer to the "APA Format Assistance" section in the introduction section of the Blackboard course.
8. All assignments must be submitted via Blackboard unless specified by your instructor. Assignments submitted through any other method will receive a "0".
9. Grades for assignments may be accessed through My Grades in Blackboard. Each assignment shows your grade and any grading comments made on your assignment.
10. All assignments must be turned in before the final exam.

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.