

INTRODUCTION TO COMPUTER MAINTENANCE

(CPMT 1311 9C4)



**LAMAR INSTITUTE
OF TECHNOLOGY**

CREDIT

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

MODE OF INSTRUCTION

Face-to-face hybrid

PREREQUISITE/CO-REQUISITE:

None

COURSE DESCRIPTION

Introduction to the installation, configuration, and maintenance of a microcomputer system.

COURSE OBJECTIVES

Upon completion of this course, the student will be able to
Identify modules that make up a computer system and its operation; identify each type of computer bus structure; assemble/setup microcomputer systems and adapter/interface boards; and install/connect associated peripherals.

INSTRUCTOR CONTACT INFORMATION

Instructor: Omahn Garbrah-Aidoo

Email: ogarbrahaidoo@lit.edu

Office Phone: 281-592-8752 Ext. 1275

Office Location: RM A108

Office Hours: As posted outside my door or in Google Classroom

REQUIRED TEXTBOOK AND MATERIALS

Cengage CompTIA A+ Guide to IT Technical Support 11th edition and MindTap
ISBN-13: 9780357674161

ATTENDANCE POLICY

Mandatory and will make up 10% of your grade

Approved: **Initials/date**

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.

October 1 - Last day to drop with refund (Census Day)

October 1 - Last day to pay tuition to avoid drop for non-payment

October 7 - Last day to drop without academic penalty

November 3 - Last day to drop with academic penalty

COURSE CALENDAR

WEEK	TOPIC	READINGS	ASSIGNMENTS
Week 1 9/21-9/27	Course introduction; textbook and MindTap access; computer system overview	Blackboard Module 1	Cengage/MindTap setup and Module 1 work Due 9/29
Week 2 9/28-10/4	Computer parts and motherboards	Modules 2 and 3	Module 1 quiz Due 10/6
Week 3 10/5-10/11	Supporting CPUs, memory, and power supplies	Modules 4 and 5	Modules 2 and 3 quiz; hands- on labs Due 10/13
Week 4 10/12-10/18	Supporting storage and input/output devices	Modules 6 and 7	Modules 4 and 5 quiz; hands- on labs Due 10/20
Week 5 10/19-10/25	Networking fundamentals; cloud computing and mobile devices	Modules 8 and 9	Modules 6 and 7 quiz; hands- on lab Due 10/27
Week 6 10/26-11/1	Supporting printers and the world of the IT professional	Modules 10 and 11	Modules 8 and 9 quiz; hands- on labs Due 11/3
Week 7 11/2-11/8	Installing and maintaining Windows	Modules 12 and 13	Modules 10 and 11 quiz; MindTap labs Due 11/10
Week 8 11/9-11/15	Troubleshooting Windows after startup	Modules 14 and 15	Modules 12 and 13 quiz; MindTap labs Due 11/17
Week 9 11/16-11/22	Security strategies; securing and sharing resources	Modules 16 and 17	Modules 14 and 15 quiz/labs Due 11/24
Week 10 11/23-11/29	Mobile devices and network security	Modules 18 and 19	Modules 16 and 17 quiz; labs Due 12/1
Week 11 11/30-12/6	Supporting macOS; Linux and scripting; review and make- up work	Modules 20 and 21; review	Modules 18-21 quizzes and labs; last day for late work Due 12/8
Week 12 12/7-12/9	Final review and final exam	Course review	Final exam Due 12/9

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

- End of Chapter test or quiz 40%
- Attendance 10%
- Labs 30%
- Final 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 found 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.

ARTIFICIAL INTELLIGENCE STATEMENT

Lamar Institute of Technology (LIT) recognizes that 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 discretion of the instructor. Students are reminded that all submitted work must be their own original work unless otherwise specified. Students should contact their instructor with any questions as to 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 log in 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

The A+ CompTIA certification goes with this class. A nationally recognized certification is highly recommended before you graduate.

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