



## CIS 128 MICROCOMPUTER HARDWARE I

SEMESTER: Fall 2025

COURSE NAME: Microcomputer Hardware I

CLASS #: CIS 128

COURSE #: 26070/28196/31903/30959/31053

CREDIT HOURS: 3

CLASS HOURS: Tuesday/Thursday 2:30pm-3:45pm

ROOM #: 128 and Microsoft Teams

INSTRUCTOR NAME: Heidi Schneider

INSTRUCTOR EMAIL: [heidim.schneider@lrsc.edu](mailto:heidim.schneider@lrsc.edu)

OFFICE PHONE #: 701-662-1580

OFFICE HOURS: MTWRF 1pm-2pm or by appointment

OFFICE #: Room 121

PREREQUISITES: None

CATALOG DESCRIPTION: Lecture and Lab course will introduce the development and maintenance of the personal computer. Participants upgrade and assemble personal computers, configure systems, and install operating systems.

MATERIALS OF INSTRUCTION: CertMaster Learn A+ Core 1 and Core 2, ISBN: 978-1-64274-603-7. Materials can be ordered at [Bookstore Link](#) or you can pick up at LRSC's bookstore.

MAJOR UNITS:

- Chapter 1: What Does an IT Specialist Do?
- Chapter 2: Installing Motherboards and Connectors
- Chapter 3: Installing System Devices
- Chapter 4: Troubleshooting PC Hardware
- Chapter 5: Comparing Local Networking Hardware
- Chapter 6: Configuring Network Addressing and Internet Connections
- Chapter 7: Supporting Network Services
- Chapter 8: Summarizing Virtualization and Cloud Concepts
- Chapter 9: Supporting Mobile Devices
- Chapter 10: Supporting Print Devices
- Chapter 11: Managing Support Procedures
- Chapter 12: Configure Windows

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|----------|---|-----------|
| GRADING: | A | 90-100%   |
|          | B | 80-89%    |
|          | C | 70-79%    |
|          | D | 60-69%    |
|          | F | BELOW 60% |

ASSESSMENT: Students will be assessed with a quiz after every chapter and a test after every three chapters.

#### GENERAL EDUCATION OBJECTIVES:

I.3. To apply knowledge gained in the educational process and use that knowledge in everyday living - *apply knowledge to the real world*

II. 3. To use information objectively for solving problems and arriving at alternative solutions – *problem solving skills.*

VI. 3. To apply current technologies to access and utilization of information - *application of technology*

VII. 1. To develop a pattern of intellectual curiosity and inquiry which promotes life-long learning - *value of life-long learning*

COURSE OBJECTIVES: Define the role of an IT Specialist. Learn to install motherboards, connectors, and variety of components inside and outside of the computer. Troubleshoot a variety of components. Configure Network Addressing. Support Network Services. Support Mobile and Print Devices, along with managing Support Procedures. Configuring, Managing, Supporting, and Securing Windows.

STUDENT OUTCOMES/COMPETENCIES: Upon successful completion of the course, students will have gained knowledge that will assist in their preparation to take the CertMaster A+ Core 1 and Core 2 Practice Certification Exam at the end of spring semester.

ATTENDANCE: Students will be required to attend each class and stay for the duration. Please be courteous and be ON TIME for class. If the student is absent from class, that student is responsible for letting the instructor know that they will not be attending class and need to complete the assignments that were assigned while they were gone. *If the student is absent for more than 4 class periods, they may be administratively withdrawn from class (these are not consecutive absences).*

ASSIGNMENTS: Assignments are DUE on the date that is listed on Blackboard, unless changed by the instructor. Assignments can be submitted one week late for ½ points, after that time, no assignments will be accepted.

TESTS: Missed quizzes and/or exams CANNOT be made up, unless prior approval from instructor.

**SCHOLASTIC DISHONESTY:** Academic Integrity is intellectual honesty, responsibility, and ethical behavior in scholastic conduct from use of information to actions in a classroom. It is the guide for the “pursuit of knowledge and understanding within a community of inquiry” (American University). Refer to Section 800.30 Student Conduct.

**LRSC MISSION STATEMENT:** We enhance lives and community vitality through quality education.

**DIVISION MISSION STATEMENT:** The Career and Technical Education Division offers various specialized programs. The division frequently assesses industry trends and standards and alters curricula to ensure the quality of its programs. It is the mission of the Trade and Technical Division to provide students with current knowledge and training necessary for immediate entry into various specialties within the job market.

**DISABILITY ACCESS ON CAMPUS:** Lake Region State College is committed to provide access to all people using its facilities, programs, and services. LRSC is responsible for making reasonable accommodations and adjustments when notified from the student to ensure there is no discrimination on the basis of disability, as established under Section 504 of the Rehabilitation Act and Americans with Disabilities Act. For student accommodations, contact Disability Support Services for Students at 701. 662-1546, or [jessica.l.dimitch@lrsc.edu](mailto:jessica.l.dimitch@lrsc.edu). If you have a temporary medical condition such as a broken arm, extenuating circumstance, or after surgery, you may be able to arrange for services/temporary accommodations.

**MENTAL WELLNESS STATEMENT:** Please let me stress the importance of self-care for our mental wellness. There are services on campus that can aid with such feelings of being overwhelmed, anxious, or lost. Our counselor on campus has an open/virtual open-door policy if there are any issues you wish to discuss and seek appropriate help. At the end of the day, the most important aspect of college student life is to proactively practice self-care for our respective overall mental/physical wellness. If you are experiencing any symptoms, please feel free to contact our campus counselor Jessica Dimitch, LAPC @ 701.662-1546 or [jessica.l.dimitch@lrsc.edu](mailto:jessica.l.dimitch@lrsc.edu).

**HEADPHONES/EARBUDS:** NO headphones/earbuds are allowed on during class. When you enter the room, they need to be removed and put on desk or in backpack.