



CIS 128 MICROCOMPUTER HARDWARE I

SEMESTER: Fall 2023

COURSE NAME: Microcomputer Hardware I

CLASS #: CIS 128

COURSE #: 12251/13946/14086/10296/09685

CREDIT HOURS: 3

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

ROOM #: 128

INSTRUCTOR NAME: Heidi Schneider

INSTRUCTOR EMAIL: heidim.schneider@lrsc.edu

OFFICE PHONE #: 701-662-1580

OFFICE HOURS: MWF 10am-11am; TR 9am-10am

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: Testout PC Pro, ISBN 978-1-935080-42-8. Materials can be ordered at: <http://www.bookstore.lrsc.nodak.edu/Home.aspx> or you can pick up at LRSC's bookstore.

MAJOR UNITS: Chapter 1: Course Introduction
Chapter 2: PC Technician Responsibilities
Chapter 3: Hardware
Chapter 4: Operating System Basics
Chapter 5: Storage
Chapter 6: System Implementation
Chapter 7: System Management I
Chapter 8: System Management II

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

ASSESSMENT: Pre-Assessment that contains 3 labs within Testout. These labs will also be in the Certification Test that they will take at the end of Spring Semester.

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: Measure your ability to install, manage, repair, and troubleshoot PC hardware and Windows, Linux, and Mac operating systems. Set up a new computer. Identify system requirements when purchasing a new computer. Understand the technology and specifications used to describe computer components. Make informed choices about which device characteristics are required for your situation. Install or upgrade the operating system. Manage external devices. Troubleshoot common computer problems that can be resolved without replacing internal components. Connect to a small home network.

STUDENT OUTCOMES/COMPETENCIES: Upon successful completion of the course, students will have gained knowledge that will assist in their preparation to take the Testout PC Pro 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 withdrawn from class (this is not consecutive absences).

ASSIGNMENTS: Assignments are DUE on the date that is listed on Blackboard, unless changed by the instructor. *Any assignments that are late are subject to ½ points.*

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.dimitich@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 Dimitich, LAPC @ 701.662-1546 or jessica.l.dimitich@lrsc.edu.