



## CIS 128 Microcomputer Hardware I

DATE: August 2019

COURSE NAME: Microcomputer Hardware I

INSTRUCTOR: Heidi Schneider

ROOM #: IVN Room 129

E-MAIL ADDRESS: heidim.schneider@lrsc.edu

CLASS #: 13856/14273/14517

OFFICE PHONE: 701-662-1580

SEMESTER: Fall 2019

OFFICE HOURS: MWF 9am-10am, 2pm-3:15pm; TR 8:15-9:30am, 11am-12pm, 1pm-2:30pm

CREDIT HOURS: 3

CLASS HOURS: TR 2:30-3:45

OFFICE #: Room 121

LAB HOURS: During class time

COMMON COURSE NUMBER: CIS 128

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. Prepares students for the A+ CompTia Certification Exam.

**MATERIALS OF INSTRUCTION:** **Testout PC Pro, ISBN 978-1-935080-42-8.**

**Note:** This course is ½ of the A+ Certification Exam content. The IT students will take the first portion of the A+ Certification Exam, (220-1001) toward the end of the CIS 129 course (spring semester). CIS 129 will finish your preparation to take the 2nd portion of the A+ exam (220-1002), which will be taken at the end of the spring semester of CIS 129.

**COURSE OBJECTIVES:** Students will prepare for the A+ exam which includes these objectives: Hardware; Troubleshooting, Repair, and Maintenance; Operating System and Software; Networking; Security; Operational Procedure

- Basic Hardware Components
- Video
- Audio
- External Devices
- Storage
- Networking
- Printing
- Mobile Devices
- System Management
- Security

**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*

MAJOR UNITS: Chapter 1: Computing Overview  
Chapter 2: PC Technician Responsibilities  
Chapter 3: System Components  
Chapter 4: Peripheral Devices  
Chapter 5: Storage  
Chapter 6: Networking  
Chapter 7: Wireless Networking  
Chapter 8: Printing  
Chapter 9: Mobile Devices (may be moved to spring)

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

**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.*

STUDENT OUTCOMES/COMPETENCIES: Upon successful completion of the course, students will have gained knowledge that will assist in their preparation to take the A+ Essentials Exam. Students will take this exam later, while taking CIS 129.

ASSESSMENT TOOLS (subject to change at the discretion of the instructor):

Testout Labs/Questions @ 10-40 pts each  
Chapter Exams @ 15-20 pts each  
Final Project @ 100 pts

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 will 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: Quizzes and /or Exams **CANNOT** be made up if they are missed.

CELL PHONE USAGE: You may have your cell phone in class, but you **MUST** turn it to vibrate. If you need to answer a call, please leave the room quietly to answer. **ALL** cell phones **MUST** be turned **OFF** during a test.

LISTENING DEVICES: **NO** listening devices (iPods, MP3 players, headphones, etc.) will be allowed in my classes while class is in session.

**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.