

**J. Sargeant Reynolds Community College  
Course Content Summary**

**Course Prefix and Number:** ITE 221

**Credits:** 4

**Course Title:** PC Hardware and OS Architecture

**Course Description:** Covers instruction about processors, internal functions, peripheral devices, computer organization, memory management, architecture, instruction format, and basic OS architecture. Lecture 4 hours per week.

**General Course Purpose:** This course provides an introduction to PC hardware and software.

**Course Prerequisites and Co-requisites:**

None

**Student Learning Outcomes:**

Upon completing the course, the student will be able to

- a. Understand specific computer terminology relating to microcomputers;
- b. Understand peripheral, secondary storage, and primary storage;
- c. Understand memory and file management systems;
- d. Understand DOS; and
- e. Describe user interfaces (i.e., Windows).

**Major Topics to Be Included:**

- a. Microcomputer architecture
- b. Hardware and I/O interfaces
- c. Operating systems
- d. Windows

**Date Created/Updated (Month, Day, and Year):** March 22, 2019