

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

**Course Prefix and Number:** ITN 171

**Credits:** 3

**Course Title:** UNIX I

**Course Description:** Provides an introduction to UNIX operating systems. Teaches login procedures, file creation, UNIX file structure, input/output control, and the UNIX shell. Lecture 3 hours per week.

**General Course Purpose:**

**Course Prerequisites and Co-requisites:**

None

**Student Learning Objectives:**

Upon completing the course, the student will be able to

- a. Understand the fundamental concepts and terminology of the Unix/Linux operating system;
- b. Understand the Unix utilities;
- c. Work with the UNIX/Linux file system;
- d. Understand the networking and system administration;
- e. Understand the “vi” editor; and
- f. Understand shell programming.

**Major Topics to Be Included:**

- a. Introduction to utilities
- b. The Shell
- c. Networking
- d. The “vi” Editor
- e. The Bourne Shell
- f. The Korn Shell
- g. System administration

**Date Created/Updated (Month, Day, and Year):** February 1, 2019