Course Name: Operating Systems

Course Number: CST* 210

Credits: 3

Catalog description: Provides a theoretical and practical study of today's operating systems. This course will analyze what operating systems are, what they do, how they do it, and how they compare with each other. Topics such as memory management, process management and user interfaces will be explored.

Prerequisite: Any previous programming course

Corequisite or Parallel:

General Education Competencies Satisfied:

HCC General Education Requirement Designated Competency Attribute Code(s):

None

Additional CSCU General Education Requirements for CSCU Transfer Degree Programs:

None

Embedded Competency(ies):

None

Discipline-Specific Attribute Code(s):

☐ **COMP**   **Computer Science Elective**

Course objectives:

General Education Goals and Outcomes:

None

Course Specific Objectives:

1. Master security essentials
2. Tune, tweak and troubleshoot your system
3. Learn security tactics for Web browsers
4. Automate routine task with scripts
5. Learn Linux fundamentals
6. Configure hardware components
7. Learn the command-line interface

Course Content:

- Security essentials
- Securing files and folders
- Securing Internet connections
- Performing routine maintenance
- Monitoring system activities
- Troubleshooting
- Editing the registry
- Installing Linux
- The BASH shell
- Understanding Linux files
- Optimizing your system

Date Course Created:

Date of Last Revision: 04/04/2017