

OPERATING SYSTEMS

Pierce County Careers Connection Dual Credit Articulation Agreement

Upon completion of high school courses equivalent to the following competencies:

The student demonstrates the ability to:

- Compare and contrast different operating systems including Open Source operating systems.
- Use terminology and functions of operating systems such as command line versus GUI and different versions.
- Explain the boot process and create normal and emergency boot files.
- Demonstrate intermediate skills in effectively utilizing operating systems such as format, scandisk, defrag, use of switches, back up and recovery.
- Compare and contrast systems support files such as DLL, VxD, OLE INI.
- Describe general backup, recovery and protection procedures.
- Install, configure and troubleshoot ambiguous hardware and software operating system problems.
- Compare and contrast standalone versus network systems.
- Describe the impact that developments of different generations of microcomputer chips have had in the development of more complex/feature rich operating systems.
- Describe various ways of defining/changing settings within

different operating systems.

- Compare and contrast multithreading with multitasking and preemptive versus cooperative multitasking.
- Customize the operating system to accommodate other language with physical limitations.
- Enhance desktop environment.
- Explain principals of security in terms of operating systems:
 - Confidentiality
 - Integrity
 - Encryption
 - Authorization
 - Authentication
 - Availability.
- Define and describe system resources.
- Compare and contrast file allocation systems (FAT 16, FAT32, NTFS).

A student earning a “C” grade or better may earn college credit at one of the following colleges:

<u>College</u>	<u>Course</u>	<u>Credits</u>
Bates Technical College	INFO 104 (CIP Code: 15.1202)	5
Clover Park Technical College	NSS 105 (CIP Code: 15.1202)	4
Pierce College	CIS 134 (CIP Code: 11.0301)	5