

Computer Technology Integration

with a specialty in Work Based Learning
(A25500-D91)



The Work Based Learning curriculum prepares individuals for employment supporting network infrastructure environments. Students will learn how to use technologies to provide reliable transmission and delivery of data, voice, image and video communications in business, industry and education.

Course work includes design, installation, configuration and management of network infrastructure. Emphasis is placed on the implementation and management of hardware such as switches and routers.

This curriculum incorporates work-based learning, primarily through co-op, students graduate with real world experience that is desirable to potential employers. Typical jobs include network managers, network operators, network analysts and network technicians. Graduates are also eligible to earn multiple industry certifications.

Students receive significant hands-on experience in the study of Network Infrastructure and System Administration. The primary emphasis will be the implementation of a secure, reliable and robust network infrastructure and directory service environment. The program leads to an AAS degree. The program centers on the following industry certifications: Cisco – CCNA, Comp TIA – A+ and Network+.

Optimum / Recommended Plan of Study

Semester 1

CIS 110*	Introduction to Computers	3
CTI 110	Web, Programming, and Database Foundation	3
CTI 120	Network and Security Foundation	3
CTS 115	Information Systems Business Concepts	3
CTI 130	Operating Systems and Device Foundation	6
	Total Credit Hours	18

Semester 2

ENG 111	Expository Writing	3
NET 125	Networking Basics	3
NET 126	Routing Basics	3
NOS 120	Linux Single User	3
WBL-111	Co-op	1
	Total Credit Hours	13

Summer Semester

Humanities Elective	3
Math Requirement	3
Total Credit Hours	6

Semester 3

ENG 114	Professional Research & Reporting	3
NOS 130	Windows Single User	3
NOS 230	Windows Administration I	3
COM 110	Introduction to Communication	3
WBL-121	Co-op	1
	Social Science Elective	3
	Total Credit Hours	16

Semester 4

NET 225	Routing & Switching I	3
NET 226	Routing and Switching II (CCNA)	3
NOS 231	Windows Admin II	3
CTI 289	Networking Project	3
WBL-131	Co-op	1
	Total Credit Hours	13

*CIS 111 may be substituted depending on speciality area.

For more information, visit www.cpcc.edu/it.