INFORMATION SYSTEMS TECHNOLOGY:
Linux Programming and Development
Career Studies Certificate   **AL**

Purpose: This career studies certificate provides the student with technical knowledge and skills in the area of Linux/Unix application development. Focus areas include: shell programming; system calls and device drivers; text based development; data management; processes, pipes, and signals; POSIX threads; X-Windows; security; and applications management. It is designed to provide a sufficient foundation for students seeking employment as Linux/Unix developers or application specialists in the Linux/Unix environment.

One Year			**Credits**
1st Semester			
[1]ENG/CST	Elective		3
ITN	170	Linux System Administration	3
ITP	130	C Programming I or ITP 132 C++ Programming I	<u>4</u>
	Total		**10**
2nd Semester			
ITN	270	Advanced Linux Network Administration	3
ITP	225	Web Scripting Languages	4
ITP	230	C Programming II or ITP 232 C++ Programming II	4
ITP	251	Systems Analysis and Design	<u>3</u>
	Total		**14**

Total credits for the Career Studies Certificate in Linux Programming and Development = 24

IT courses used for this program may not be more than 10 years old, unless approved by division dean.

[1] ENG/CST elective must be selected from the following: ENG 111, CST 100, 110, 115, 126, 227 or 229.