The IT courses in following career studies certificate may be used to complete the AAS degree in Information Systems Technology, or the program may be taken on its own.

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 (Curses); 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/SPD Elective			3
ITN	170	Linux System Administration	3
ITP	130	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	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/SPD elective must be selected from the following: ENG 111, SPD 100, 110, 115, 126, 227 or 229.