INFORMATION SYSTEMS TECHNOLOGY

SECTION A:

The IT electives in the IST AAS degree must be met by completing *ALL* of the IT courses in *ONE* of the career studies certificates listed in section A, in which the following program is included:

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.

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