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:
Database Specialist
Career Studies Certificate   **AL, MA, WO**

Purpose: This career studies certificate is designed to provide students with skills that support the newest capabilities and advances in database technology. These new features in database technology enable databases to increase in scale and provide higher security and greater reliability. This program focuses on training database technologists who can provide these advantages to their employers and stay on the leading edge of database technology.

One Year			**Credits**
1st Semester			
[1]ENG/SPD Elective			3
ITD	132	Structured Query Language	3
ITD	250	Database Architecture and Administration	3
[2]ITP		Programming Elective	<u>4</u>
		Total	**13**
2nd Semester			
ITD	134	PL/SQL Programming	3
ITD	150	Oracle Reports	3
ITD	252	Database Backup and Recovery	3
ITD	258	Database Performance and Tuning	3
ITD	260	Data Modeling and Design	<u>3</u>
		Total	**15**

Total Credits for the Career Studies Certificate in Database Specialist = 28.

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.

[2] IT Programming elective must be chosen from the following: ITP 112, ITP 120, ITP 130, ITP 132, ITP 136, ITP 212, ITP 220, ITP 230, ITP 232, or ITP 236.