

The IST Program consists of a number of career studies options that focus on a specific career field in information technology (IT). These programs are best suited for individuals who already hold a degree and want to change careers or who seek advancement in their current field.

The career studies certificates listed here provide students with opportunities to gain skills in designing, building, testing and maintaining Web pages, links and interfaces to Web-enabled applications; designing, implementing, troubleshooting and maintaining databases; and/or designing, installing, administering and repairing computer networks.

Before entering a career studies program, students should have a strong foundation in using computer applications (ITE 115 course description in the back of this catalog). Students should also have a strong foundation in computer concepts to include database fundamentals, Internet and networking fundamentals, operating systems, software design and computer hardware troubleshooting prior to beginning the program. This foundation can be obtained by completing the core IT courses which include ITD 110, ITD 130, ITE 120, ITN 106, ITN 109 and ITP 100 (see course descriptions in the back of catalog).

**Web Applications Development Professional\***

ITD	132	Structured Query Language	3
ITD	220	E-Commerce Administration	3
ITN	224	Web Server Management	3
ITN	260	Network Security Basics	3
ITP	225	Web Scripting Languages	4
		<b>Total</b>	<b>16</b>

**\*NOTE:** Students should complete the course work in the web design specialist career studies certificate or have equivalent job-related experience before entering into the Web application development professional career studies certificate program.