

**INFORMATION SYSTEMS TECHNOLOGY:**

**Application Programming**

Career Studies Certificate

**AL, LO, MA**

*Purpose:* This career studies certificate prepares the student to design and implement traditional/legacy stand-alone and client-server applications using procedural and object-oriented development techniques.

<b>One Year</b>		<b>Credits</b>
<b>1st Semester</b>		
<sup>1</sup> ENG/CST	Elective	3
<sup>2</sup> IT	Programming Elective	4
<sup>2</sup> IT	Programming Elective	4
ITD	132 Structured Query Language	<u>3</u>
<b>Total</b>		<b>14</b>
<b>2nd Semester</b>		
<sup>3</sup> IT	Advanced Programming Elective	4
<sup>3</sup> IT	Advanced Programming Elective	4
ITD	134 PL/SQL Programming	3
ITP	251 Systems Analysis and Design	<u>3</u>
<b>Total</b>		<b>14</b>

**Total credits for the Career Studies Certificate in Application Programming = 28**

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

<sup>1</sup> The ENG/CST requirement may be met by ENG 111 or other ENG courses approved by your advisor, or by CST 100, 110, 115, 126, 227 or 229.

<sup>2</sup> IT Programming elective must be chosen from the following: ITP 112, ITP 120, ITP 130, ITP 132, or ITP 136.

<sup>3</sup> IT Advanced Programming elective must be chosen from the following: ITP 212, ITP 220, ITP 230, ITP 232, or ITP 236.