

<b>Program:</b>	<b>Full Stack Web Application Developer - Certificate of Achievement</b>
<b>Meta-major:</b>	<b>Science, Technology, Engineering, &amp; Math (STEM)</b>

Fall Year 1	Spring Year 1
<b>CS 101 (formerly CO SCI 103) INTRODUCTION TO COMPUTER SCIENCE</b> <b>3 units</b>	<b>CS 157 FULL-STACK WEB APPLICATION DEVELOPMENT</b> <i>Prerequisites: CS 112</i> <b>3 units</b>
<b>CIS 148 (formerly CO SCI 158) INTRODUCTION TO WEB DEVELOPMENT HTML &amp; CSS</b> <i>Prerequisite: CS 101 or CIS 101 or CSIT 101 or CSIT 103</i>	<b>CS 119 (formerly CO SCI 124) PROGRAMMING IN PYTHON</b> ( <i>Prerequisite: CS 101 or CS 111 or CO SCI 103 or CO SCI 108</i> ) <b>3 units</b>
<b>CS 112 (formerly CO SCI 162) PROGRAMMING IN JAVASCRIPT</b> <i>Prerequisites: CIS 148 or CSIT 158</i> <b>3 units</b>	<b>CS 113 (formerly CO SCI 141) PROGRAMMING IN JAVA</b> <i>Prerequisite: CS 101/CO SCI 103 or CS 111/CO SCI 108</i> <b>3 units</b>
	<b>CS 116 (formerly CO SCI 139) PROGRAMMING IN C++</b> <i>Prerequisite: CS 101/CO SCI 103 or CS 111/CO SCI 108</i> <b>3 units</b>
	<b>***CIS 219 (formerly CO SCI 186) INTRODUCTION TO ORACLE: SQL AND PL/SQL</b> <b>3 units</b>
<b>Semester Units:</b>	<b>9</b>
	<b>15</b>
<b>Total Units:</b>	<b>24</b>