

**Important:** This certificate plan is effective for those starting in the fall 2016 through summer 2017. This certificate plan will remain in effect for students who do not break enrollment or who do not change certificates.

<b><u>REQUIRED COURSES (18 hours)</u></b>		<b><u>Hrs</u></b>	<b><u>Semester</u></b>	<b><u>Grade</u></b>
CSIS 100	Introduction to Information Sciences & Systems	3	_____	_____
CSIS 208	Application Programming	3	_____	_____
CSIS 212	Object-Oriented Programming	3	_____	_____
CSIS 310	Web Architecture & Development	3	_____	_____
CSIS 410	Web Enterprise Technologies	3	_____	_____
CSIS 470	Executive Perspective on E-Commerce Technology	3	_____	_____
<b>TOTAL HOURS</b>		<b>18</b>		

**Completion Requirements**

18 total hours

All courses must be completed through Liberty University

2.0 GPA

No grade of D may be applied to the certificate

Submission of Certificate Completion Application at beginning of final semester