Curriculum Outline
2016-2017

Certificate - E-Business Development **CIP 11.0801**
Web Development Track

Summer Semester			Lec	Lab	Ext	Cont	Credit
~~COSC~~	~~1315~~	~~Fundamentals of Programming~~ [1]					
ITSE	1311	Beginning Web Programming	2	2	0	64	3
		Totals	2	2	0	64	3

First Semester			Lec	Lab	Ext	Cont	Credit
IMED	1341	Interface Design	2	2	0	64	3
ITSE	1301	Web Design Tools - Graphics	2	2	0	64	3
ITSE	2302	Intermediate Web Programming	2	2	0	64	3
ITSW	1307	Introduction to Database - Access	2	2	0	64	3
~~Graphic Option~~ [2]							
		Totals	8	8	0	256	12

Second Semester			Lec	Lab	Ext	Cont	Credit
ITSE	1306	Introduction to PHP	2	2	0	64	3
ITSE	1374	Mobile Web	2	2	0	64	3
ITSE	2309	Database Programming - SQL	3	1	0	64	3
ITSE	2313	Web Authoring	2	2	0	64	3
~~INEW~~	~~2330~~	~~Comprehensive Software Project: Planning and Design (Capstone)~~ [3]					
~~Web Programming Option~~ [4]							
~~Web Programming Option~~ [4]							
~~Technical Elective *~~							
		Totals	9	7	0	256	12

Summer Semester			Lec	Lab	Ext	Cont	Credit
IMED	2311	Portfolio Development (Capstone) [1]	3	1	0	64	3
		Totals	3	1	0	64	3
		GRAND TOTAL				***640***	***30***

[1] May substitute ~~IMED 2311~~ INEW 2330 or ITSC 2380
~~[1] May substitute ITSE 1332~~
~~[2] Graphic Option: IMED 1301, IMED 1345, or ITSE 1301~~
~~[4] Web Programming Option: IMED 2345, ITSE 1306, ITSE 1356, ITSE 1359, ITSE 1374, ITSE 2309, or ITSE 2313~~

~~* Technical Elective (3 credit hours): IMED 2309, ITNW 1358, ITSE 1392, or ITSY 1300~~