Curriculum Outline
2016-2017

Certificate - ~~Computer Systems~~ Information System ~~Track~~ **CIP 11.0101**

Summer Semester			Lec	Lab	Ext	Cont	Credit
BCIS	1305*	Business Computer Applications [1]	3	0	0	48	3
COSC	1315	Fundamentals of Programming [2]	2	2	0	64	3
		Totals	5	2	0	112	6

First Semester			Lec	Lab	Ext	Cont	Credit
~~COSC~~	~~1315~~	~~Fundamentals of Programming~~					
IMED	2309	Internet Commerce [1]	3	1	0	64	3
ITNW	1358	Network+	3	2	0	80	3
ITSW	1304	Introduction to Spreadsheets - Excel	2	2	0	64	3
ITSW	1310	Introduction to Presentation Graphics Software	2	2	0	64	3
~~ITSC~~	~~1305~~	~~Introduction to PC Operating Systems [3]~~					
		Totals	10	7	0	272	12

Second Semester			Lec	Lab	Ext	Cont	Credit
~~BCIS~~	~~2390~~	~~Systems Analysis and Design (Capstone) [4]~~					
BMGT	1307	Team Building [2]	3	0	0	48	3
ITSC	2380	Cooperative Education - Computer and Information Sciences, General (Capstone) [3]	1	0	20	336	3
ITSW	1307	Introduction to Database - Access	2	2	0	64	3
ITSY	1300	Fundamentals of Information Security (Security +)	2	3	0	80	3
		Totals	8	5	20	528	12
		Grand Total				***912***	***30***

[1] May substitute GISC 1411
[2] May substitute BMGT 1344 or BUSI 1301 ~~BMGT 1327, BMGT 1341 of BUSG 2309~~
[3] May substitute INEW2330
~~[1] May substitute COSC 1315 or ITSE 1332~~
~~[2] May substitute COSC 1436* or ITSE 1332. May substitute COSC 1337, COSC 1437, ITSE 1330, or ITSE 1347 with consent of Department Chair.~~
~~[3] May substitute CPMT 1305 or ITSY 1300~~
~~[4] May substitute ITSC 2380~~