Curriculum Outline
2016-2017

Certificate Level II - ~~Computer Systems~~ Database Development ~~Track~~ **CIP 11.0101**

Summer Semester				Lec	Lab	Ext	Cont	Credit
~~ITSE~~	~~1332~~	~~Introduction to Visual Basic .NET Programming~~						
ITSW	1304	Introduction to Spreadsheets - Excel		2	2	0	64	3
ITSW	1307	Introduction to Database - Access		2	2	0	64	3
			Totals	4	4	0	128	6

First Semester				Lec	Lab	Ext	Cont	Credit
COSC	1315	Fundamentals of Programming [1]		2	2	0	64	3
ITNW	1358	Network+		3	2	0	80	3
~~ITSE~~	~~1330~~	~~Introduction to C# Programming~~						
ITSE	2309	Database Programming - SQL		3	1	0	64	3
~~ITSW~~	~~1307~~	~~Introduction to Databases-Access~~						
ITSW	2370	SAS Programming		3	1	0	64	3
MATH	1342	Elementary Statistical Methods		3	1	0	64	3
			Totals	14	7	0	336	15

Second Semester				Lec	Lab	Ext	Cont	Credit
ITSE	2347	Advanced Database Programming (Capstone)		3	1	0	64	3
ITSE	2354	Advanced Oracle PL/SQL		3	1	0	64	3
ITSY	1300	Fundamentals of Information Security (Security+)		3	2	0	80	3
~~INEW~~	~~2330~~	~~Comprehensive Software Project: Plnning and Design (Capstone)~~ [~~1~~]						
~~ITSE~~	~~1393~~	~~Special Topics in Computer Systems Analysis~~						
~~ITSE~~	~~2338~~	~~C# Database Development with ADO.NET and LINQ~~ [~~2~~]						
			Totals	9	4	0	208	9
			Grand Total				***672***	***30***

1 May substitute COSC 1436
~~[1] May substitute ITSC 2380~~
~~[2] May substitute ITSE 2304~~