Proposed Curriculum Outline
Fall 2015

AAS - Computer Systems
Java Software Development Track

CIP 11.0101

FIRST YEAR

First Semester			Lec	Lab	Ext	Cont	Credit
COSC	1436	Programming Fundamentals I (C++)	4	0	0	64	4
ENGL	*1301*	*Composition I*	3	1	0	64	3
ITNW	1358	Network+	2	3	0	80	3
ITSE	1311	Beginning Web Programming	2	2	0	64	3
MATH	*1414*	*College Algebra* [1]	4	0	0	64	4
		Totals	15	6	0	336	17

Second Semester			Lec	Lab	Ext	Cont	Credit
~~BMGT~~	~~1307~~	~~Team Building~~ [2]	~~3~~	~~0~~	~~0~~	~~48~~	~~3~~
COSC	1337	Programming Fundamentals II (Java)	3	0	0	48	3
COSC	2325	Computer Organization	3	0	0	48	3
ENGL	2311	Technical and Business Writing	3	0	0	48	3
~~ITSE~~	~~2309~~	~~Database Programming – SQL~~	~~3~~	~~1~~	~~0~~	~~64~~	~~3~~
ITSW	1304	Introduction to Spreadsheets - Excel	2	2	0	64	3
ITSY	1300	Fundamentals of Information Security (Security+)	2	3	0	80	3
		Totals	13	5	0	288	15

SECOND YEAR

First Semester			Lec	Lab	Ext	Cont	Credit
COSC	2436	Programming Fundamentals III (Java)	4	0	0	64	4
ECON	*1301*	*Introduction to Economics* [2]	3	0	0	48	3
HUMA	*1301*	*Introduction to Humanities I* [3]	3	0	0	48	3
ITSE	1330	Introduction to C# Programming [4]	3	1	0	64	3
SPCH	*1311*	*Introduction to Speech Communication* [5]	3	0	0	48	3
		Totals	16	1	0	272	16

Second Semester			Lec	Lab	Ext	Cont	Credit
INEW	2330	Comprehensive Software Project: Planning and Design (Capstone) [6]	3	1	0	64	3
~~INEW~~	~~2338~~	~~Advanced Java Programming~~	~~3~~	~~1~~	~~0~~	~~64~~	~~3~~
INEW	2340	Object-Oriented Design	3	1	0	64	3
ITSW	1307	Introduction to Database - Access (moved from 1st yr / 1st sem)	2	2	0	64	3
Technical Elective *			3	1	0	64	3
~~Technical Elective *~~			~~3~~	~~1~~	~~0~~	~~64~~	~~3~~
		Totals	11	5	0	256	12
		GRAND TOTAL				***1152***	***60***

[1] May substitute MATH 2413, MATH 2414, MATH 2415, MATH 2417, or MATH 2419
~~[2] May substitute BMGT 1327, BMGT 1341, BMGT 1344, BUSG 2309, or BUSI 1301~~
[2] May substitute ECON 2301, ECON 2302, or PSYC 2301
[3] May substitute ARTS 1301, ARTS 1303, ARTS 1304, ARTS 1313, DANC 2303, DRAM 1310, DRAM 2361, DRAM 2362, DRAM 2366, ENGL 2322, ENGL 2323, ENGL 2327, ENGL 2328, ENGL 2332, ENGL 2333, ENGL 2342, ENGL 2343, ENGL 2351, DRAM 2367, HIST 2311, HIST 2312, HIST 2321, HIST 2322, HUMA 1305, MUSI 1306, MUSI 1307, MUSI 1310, PHIL 1301, FREN 2303, FREN 2304, PHIL 1304, PHIL 2303, PHIL 2306, PHIL 2307, PHIL 2321
[4] May substitute ITSE 1371 or ITSE 1372
[5] May substitute SPCH 1315 or SPCH 1321
[6] May substitute ITSC 2380

* Technical Electives (3 credit hours): Any COSC, GAME, INEW, or ITSE course not listed above, excluding any Cooperative Education or Software Project courses