COLLIN COLLEGE
Proposed Fall 2015

AAS – Geospatial Information Science (GIS) **CIP 45.0702**

FIRST YEAR

First Semester			Lec	Lab	Ext	Cont	Credit
~~BCIS~~	~~1305~~	~~Business Computer Applications~~	~~3~~	~~0~~	~~0~~	~~48~~	~~3~~
ENGL	*1301*	*Composition I (moved from 1st yr 2nd sem)*	3	1	0	64	3
GISC	1411	Introduction to Geographic Information Systems (GIS)	3	2	0	80	4
GISC	1421	Introduction to Raster-Based Geographic Information Systems (GIS)	3	2	0	80	4
ITSW	1307	Introduction to Database - Access	2	2	0	64	3
		Total Hours	11	7	0	288	14

Second Semester							
COSC	1315	Fundamentals of Programming[1]	2	2	0	64	3
GISC	1301	Cartography and Geography in Geographical Information Systems (GIS) and Global Positioning Systems (GPS)	2	2	0	64	3
GISC	2420	Intermediate Geographic Information Systems (GIS)	3	2	0	80	4
ITSW	1304	Introduction to Spreadsheets - Excel	2	2	0	64	3
MATH		*Select one course from Mathematics options [2] (moved from 1st yr 1st sem)*	3	1	0	64	3
		Total Hours	12	9	0	336	16

SECOND YEAR

First Semester							
~~BCIS~~	~~2390~~	~~Systems Analysis and Design~~	~~3~~	~~1~~	~~0~~	~~64~~	~~3~~
ENGL	2311	Technical and Business Writing	3	1	0	64	3
GISC	2335	Programming for Geographic Information Systems (GIS)	2	2	0	64	3
GISC	2402	Geographic Information Systems (GIS) Design with Raster Analysis	3	2	0	80	4
HUMA		*Select one course from Humanities / Fine Arts options [3] (moved from 1st yr 2nd sem)*	3	0	0	48	3
ITSE	1311	Beginning Web Programming	2	2	0	64	3
		Total Hours	13	7	0	320	16

Second Semester							
DFTG	1309	Basic Computer-Aided Drafting	3	1	0	64	3
ECON		*Select one course from Social / Behavioral Sciences options [4]*	3	0	0	48	3
GISC	2231	Advanced Problems in Geographic Information Systems (GIS)[5] (Capstone)	1	2	0	48	2
SPCH		*Select one course from Speech options [6] (moved from 2nd yr 1st sem)*	3	0	0	48	3
~~Elective*~~			~~2~~	~~2~~	~~0~~	~~64~~	~~3~~
Elective*			2	2	0	64	3
		Total Hours	12	5	0	272	14
		GRAND TOTAL				***1216***	***60***

[1] May substitute COSC 1436, ITSE 1332, or ITSE 2302
[2] MATH 1314, MATH 1316, MATH 1324, MATH 1325, MATH 1332, MATH 1342, MATH 1350, MATH 1351, MATH 1414, MATH 2305, MATH 2312, MATH 2318, MATH 2320, MATH 2413, MATH 2414, MATH 2415, MATH 2417, or MATH 2419
[3] ARTS 1301, ARTS 1303, ARTS 1304, ARTS 1313, DANC 2303, DRAM 1310, DRAM 2361, DRAM 2362, DRAM 2366, DRAM 2367, ENGL 2322, ENGL 2323, ENGL 2327, ENGL 2328, ENGL 2332, ENGL 2333, ENGL 2342, ENGL 2343, ENGL 2351, FREN 2303, FREN 2304, HIST 2311, HIST 2312, HIST 2321, HIST 2322, HUMA 1301, MUSI 1306, MUSI 1307, MUSI 1310, PHIL 1301, PHIL 1304, PHIL 2303, PHIL 2306, PHIL 2307, or PHIL 2321
[4] ANTH 2302, ANTH 2346, ANTH 2351, ECON 1301, ECON 2301, ECON 2302, GOVT 2305, GOVT 2306, HIST 1301, HIST 1302, HIST 2301, PSYC 2301, or SOCI 1301
[5] May substitute GISC 2281
[6] SPCH 1311, SPCH 1315, or SPCH 1321

* Electives (3 credit hours): BIOL 2406, ENVR 1401, GEOG 1301, GEOG 1302, GEOG 1303, GEOL 1305, GEOL 1401, or GEOL 1402

NOTE: Italicized course numbers and titles denote General Education Requirement courses.