Curriculum Guide 2012-2013
Major: Computer Science – Software Engineering track (BS.CS 307)

First Year		Second Year	
Semester 1	**Semester 2**	**Semester 1**	**Semester 2**
ENGL 1301 3 hrs. MATH 2413* 4 hrs. MATH 2321* 3 hrs. CORE 11^C 3 hrs. CORE 90-CS 1301 3 hrs.	ENGL 2311* 3 hrs. CS 1337 w/lab 3 hrs. CORE 50^C 3 hrs. MATH 2414* 4 hrs. MATH 2322* 3 hrs.	CORE (40-41)^C 3 hrs. CHEM 1411* or PHYS 2425* 4 hrs. ENGR 1304^1 or 2332*^{1} 3 hrs. MATH 3340* 3 hrs. CS 2336* w/lab 3 hrs.	CHEM 1412* or PHYS 2426* 4 hrs. CORE 70^C 3 hrs. CS Elective^1 3 hrs. CS 2325* w/lab 3 hrs. CS 3305* 3 hrs.
16 hrs.	16 hrs.	16 hrs.	16 hrs.
Third Year		**Fourth Year**	
Semester 1	**Semester 2**	**Semester 1**	**Semester 2**
CS 3307* 3 hrs. CS 3310* 3 hrs. CS 3352* 3 hrs. CS 4340* 3 hrs. CS Elective^1 3 hrs.	CS 3372* 3 hrs. CS 3315* 3 hrs. CS 3303* 3 hrs. CS 4325* 3 hrs. CORE 80^C 3 hrs.	CS 4385* 3 hrs. CS 4390* 3 hrs. CS Elective^1 3 hrs. CORE 50^C 3 hrs. MATH Elective^2 3 hrs.	CS 4391* 3 hrs. Dept. Elective^3 3 hrs. MATH Elective^2 3 hrs. Elective 2 hrs.
15 hrs.	15 hrs.	15 hrs.	11 hrs.

^{C} **See degree checklist for options.**

NOTE: Course scheduling/rotation notes are not definitive and should be used for general planning purposes only. A number of factors can influence when courses are offered. Students should always seek the advice of their academic advisor before scheduling classes.

PREREQUISITE NOTES:
*CHEM 1411: prerequisite is MATH 1314 or MATH 1324.
*CHEM 1412: prerequisite is CHEM 1411.
*CS 2325: prerequisites are CS 2336 and CS 2321 or MATH 2321.
*CS 2336: prerequisite is CS 1337.
*CS 3303: prerequisite is CS 2336 or consent of instructor.
*CS 3305: prerequisites are CS 2336, CS 2321 or MATH 2321, and MATH 2413 or consent of CS coordinator.
*CS 3307: prerequisites are CS 2322 or MATH 2322 and CS 3305.
*CS 3310: prerequisite is CS 3305.
*CS 3315: prerequisite is CS 2336.
*CS 3352: prerequisite is CS 3305.
*CS 3372: prerequisite is CS 3352.
*CS 4325: prerequisites are CS 2322 or MATH 2322, CS 2325, and CS 3305.
*CS 4340: prerequisite is CS 3305.
*CS 4385: prerequisite is CS 3372.
*CS 4390: prerequisite is senior standing and consent of CS coordinator.
*CS 4391: prerequisite is CS 4390.
*ENGL 2311: prerequisite is ENGL 1301.
*ENGR 2332: prerequisites are ENGR 2301 and MATH 2414.
*MATH 2321: prerequisite is MATH 1316 or MATH 2412.
*MATH 2322: prerequisite is CS 2321 or MATH 2321.
*MATH 2413: prerequisite is MATH 2412 or 1316 or ACT score of 27 or SAT 620 or above on the math section.
*MATH 2414: prerequisite is MATH 2413.
*PHYS 2425: prerequisite is MATH 2413 or concurrent enrollment.
*PHYS 2426: prerequisite is PHYS 2425 and MATH 2414 or concurrent enrollment.

ADDITIONAL NOTES:
[1] Choose from **CS 3321** (prereq. CS 2336, FA), **CS 3322** (CS 3321, SP), **CS 3387** (CS 3305), **CS 4095** (prereq. consent of instructor), **CS 4097** (prereq. consent of department head), **CS 4310** (CS 3307, CS 3310, and CS3315), **CS 4321** (prereq. CS 3322, FA), **CS 4322** (prereq. CS 4321, SP), **CS 4330** (prereq. CS 3305), **CS 4350** (prereq. CS 3307, CS 3310, and senior standing), **CS 4360** (prereq. CS 3372), **CS 4392** (prereq. consent of instructor), **CS 4398** (prereq. consent of department head).
[2] Choose from **MATH 3311** (prereq. MATH 2414, FA), **MATH 3321** (prereq. MATH 2414, SP even), **MATH 3325** (prereq. MATH 2414, FA), **MATH 3340** (prereq. MATH 2414, SP), **MATH 3342** (prereq. MATH 2414), **MATH 3343** (prereq. MATH 33424, SP), **MATH 4310** (prereq. MATH 3325, SP), **MATH 4340** (prereq. MATH 3340, FA odd), **MATH 4341** (prereq. MATH 3325, SP), **MATH 4361** (no prereq., SP odd), **MATH 4362** (prereq. MATH 2414, FA even)
[3] Choose from a course in ENGR, ET, PHYS, or MATH.

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