

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

First Year				Second Year			
Semester 1		Semester 2		Semester 1		Semester 2	
ENGL 1301	3 hrs.	ENGL 2311*	3 hrs.	CORE (40-41) ^C	3 hrs.	PHYS 2426* w/lab	4 hrs.
MATH 2413*	4 hrs.	CS 1337 w/lab	3 hrs.	PHYS 2425* w/lab	4 hrs.	MATH 3342*	3 hrs.
MATH 2321*	3 hrs.	CORE 50 ^C	3 hrs.	ENGR 1304 ¹ or 2332* ¹	3 hrs.	ENGR 2301*	3 hrs.
CORE 11 ^C	3 hrs.	MATH 2414*	4 hrs.	MATH 3340*	3 hrs.	CS 2325* w/lab	3 hrs.
CORE 90-CS 1301	3 hrs.	MATH 2322*	3 hrs.	CS 2336* 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 3372*	3 hrs.	CS 4385*	3 hrs.	CS 4391*	3 hrs.
CS 3310*	3 hrs.	CS 3315*	3 hrs.	CS 4390*	3 hrs.	Adv. MENG*	3 hrs.
CS 3352*	3 hrs.	CS 4325*	3 hrs.	Adv. MENG	3 hrs.	CORE 60 ^C	3 hrs.
CS 4340*	3 hrs.	Adv. MENG	3 hrs.	CORE 60 ^C	3 hrs.	CORE 70 ^C	3 hrs.
ENGR 2302*	3 hrs.	CORE 80 ^C	3 hrs.	CORE 70 ^C	3 hrs.		
	15 hrs.		15 hrs.		15 hrs.		12 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:

- *CS 2325: prerequisites are CS 2336 and CS 2321 or MATH 2321.
- *CS 2336: prerequisite is CS 1337.
- *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 2301: prerequisites are ENGR 1301 and MATH 2413.
- *ENGR 2302: prerequisite is ENGR 2301.
- *ENGR 2302: prerequisite is ENGR 2301.
- *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.
- *MATH 3340: prerequisite is MATH 2414.
- *MATH 3342: prerequisite is MATH 2414.
- *PHYS 2425: prerequisite is MATH 2413 or concurrent enrollment.
- *PHYS 2426: prerequisite is PHYS 2425 and MATH 2414 or concurrent enrollment.

ADDITIONAL NOTES:

- ¹ENGR 1304 or ENGR 2332 depending on choice of advanced MENG courses.