College Of Engineering
Civil Engineering Study Plan

139 Total Credit Hours

updated as of December, 2011

Freshman

First Semester 20H

2H	ALIS 1211: Arabic & Islamic Studies		
3H	COMM 2311: Oral Comm.		
3H	COMM 1311: Written Comm.		
2H	UNIV 1211: Prof. Development		
4H	MATH 1422: Calculus I	PRPM 0022 or placement test or skill & knowledge thereof	
4H	PHYS 1421: Physics for Engineers I	PRPM 0022 or placement test or skill & knowledge thereof	
2H	GEEN 1211: Intro. to Engineering		

Second Semester 19H

2H	ALIS 1212: Arabic & Islamic Studies	ALIS 1211	
1H	PHED 1111: Physical Education		
3H	COMM 1312: Writing & Research	COMM 1311	
2H	UNIV 1212: Critical Thinking	UNIV 1211	
4H	MATH 1423: Calculus II	MATH 1422	
4H	CHEM 1421: Chem. for Engineers I		
3H	Social Science Elective *1		

Sophomore

First Semester 16H

2H	ALIS 2211: Arabic & Islamic Studies	ALIS 1212	
1H	ASSE 2111: Learning Outcome Ass. I		
1H	PHED 1112: Physical Education	PHED 1111	
2H	UNIV 1213: Leadership & Teamwork	UNIV 1212	
3H	MATH 1324: Calculus III	MATH 1423	
4H	PHYS 1422: Physics for Engineers II	PHYS 1421 MATH 1422	
3H	GEEN 2311: Statics & Dynamics I	PHYS 1421 MATH 1423	

Second Semester 17H

2H	ALIS 2212: Arabic & Islamic Studies	ALIS 2211	
3H	GEEN 2313: Thermodynamics I	MATH 1324 CHEM 1421 PHYS 1422	
3H	GEEN 2312: Intro. to Computing	MATH 1324	
3H	MATH 2332: Differential Equations	MATH 1324	
3H	MEEN 2312: Statics & Dynamics II	GEEN 2311 MATH 1324	
3H	GEEN 2314: Circuits I (also listed as COEN 2311)	MATH 1324, PHYS 1422 concurrent reg in COEN 2111. Completion of or concurrent reg in MATH 2332	

Junior

First Semester 16H

2H	ASSE 3211: Learning Outcome Ass. II	ASSE 2111	
2H	MEEN 2211: Materials Engineering	CHEM 1421 PHYS 1421 MATH 1324	
3H	GEEN 3311: Intro. to Fluid Mechanics	GEEN 2313	
3H	CVEN 3311: Structural Analysis	GEEN 2311, concurrent reg in MEEN 2313	
3H	CVEN 3321: Engineering Geology	CHEM 1421 PHYS 1421 GEEN 2311	
3H	MEEN 2313: Mechanics of Solids	GEEN 2313 MATH 1324	

Second Semester 17H

3H	CVEN Elective **		
2H	CVEN 3222: Materials in Civil Engineering	MEEN 2211 MEEN 2313	
3H	COMM 2312: Technical Comm.	COMM 2311	
3H	CVEN 3312: Reinforce Concrete Design	CVEN 3311 MEEN 2313	
3H	CVEN 3341: Engineering Measurement	GEEN 1211 PHYS 1421 PHYS 1422	
3H	CVEN 3331: Envi. Engineering Fundamentals	CHEM 1421 MATH 1422 GEEN 3311	

Summer Semester 3H

3H	CVEN 3301: Internship	End of Junior Year

Senior

First Semester 16H

2H	GEEN 3211: Engineering Economy	GEEN 3311	
4H	CVEN 4432: Hydraulic Engineering	GEEN 3311	
3H	CVEN 4313: Design of Steel Structures	CVEN 3311 MEEN 2313	
4H	CVEN 4423: Intro. to Geotechnical Eng.	CVEN 3222 GEEN 3311	
3H	CVEN 4342: Transportation Eng.	CVEN 3341	

Second Semester 15H

3H	ASSE 4311: Learning Outcome Ass. III	ASSE 3211	
3H	CVEN 4343: Engg Probability & Stats.	MATH 1324	
3H	CVEN 4314: Construction Management	GEEN 3211 MATH 1422	
3H	CVEN Elective **		
3H	Social Science Elective *2		

ANDY BUHAY

Jamal E Naxfeh

27 DEC 2011

How to read study plan:

1. The dotted-lined square indicates a pre-requisite class
2. *1 & *2 Social Science Electives. Select from the following courses: ECON 1311, ECON 1312, GEGR 1311, HIST 1311, PSYC 1311
3. ** CVEN Electives. Select from the following courses: CVEN 4324, CVEN 4334, CVEN 4333, CHEM 1422