



College Of Engineering Civil Engineering Study Plan

139 Total Credit Hours
updated as of Mar, 2019

Freshman		Sophomore	Junior	Senior
First Semester 18H		First Semester 18H	First Semester 17H	First Semester 18H
2H ALIS 1211: Intro. to Islamic Culture		(P) COMM 1312 → 3H COMM 2311: Oral Communication	2H ASSE 3211: Learning Outcome Asse. II	(P) ASSE 2111 → 3H CVEN 4313: Design of Steel Structures
1H PHED 1111: Active Living Lifestyle		2H UNIV 1213: Leadership & Teamwork	3H GEEN 3311: Intro. to Fluid Mechanics	(P) GEEN 2313 → 3H CVEN 4323: Intro. to Geotechnical Eng.
3H COMM 1311: Written Comm.		(P) MATH 1423 → 3H MATH 1324: Calculus III	3H CVEN 3322: Materials in Civil Engineering	(P) MEEN 2313 → 3H CVEN 4396: Civil Engineering Senior Design I
2H UNIV 1211: Prof. Devt & Competences		(P) PHYS 1421 → 4H PHYS 1422: Physics for Engineers II	3H CVEN 3311: Structural Analysis	(P) MEEN 2313 → 3H GEEN 4311: Engineering Economy
4H MATH 1422: Calculus I	← (P) PRPM 0022	(P) MATH 1423 → 2H GEEN 2211: Eng. Computing	3H CVEN 3323: Engineering Geology	(P) GEEN 2313 → 3H CVEN 4342: Transportation Eng.
4H PHYS 1421: Physics for Engineers I	← (C) MATH 1422	Sophomore Level → 1H ASSE 2111: Learning Outcome Assmt. I	3H CVEN 3341: Engineering Measurement	(P) CVEN 2311 → 3H CVEN XXXX: CE Technical Elective I
2H GEEN 1211: Intro. to Engineering	← (C) MATH 1422	(P) GEEN 2311 → 3H GEEN 2312: Engineering Mechanics II: Dynamics		

Second Semester 17H		Second Semester 17H	Second Semester 17H	Second Semester 14H
1H PHED 1112: Healthy Behaviors & Mgmt		(P) MATH 1324 → 3H CVEN 2311: CAD for Civil Engineering	3H CVEN 3331: Envi. Engineering Fundamentals	2H ALIS 2212: The Biography of Prophet Mohammad
3H COMM 1312: Writing & Research	← (P) COMM 1311	(P) MATH 1324 → 3H GEEN 2313: Thermodynamics I	3H CVEN 3332: Hydraulic Engineering	(P) GEEN 3311 → 3H CVEN 4314: Construction Management
2H UNIV 1212: Critical Thinking & Prob. Solving		(P) CHEM 1421 → 3H MATH 2332: Ordinary Diff'tl. Eq.	3H CVEN 3343: Eng. Probability & Statistics	(P) MEEN 3311 → 3H CVEN 4397: Civil Engineering Senior Design II
4H MATH 1423: Calculus II	← (P) MATH 1422	(P) MATH 1324 → 3H MEEN 2313: Solid Mechanics	3H CVEN 3312: Reinforced Concrete Design	(P) MATH 1324 → 3H CVEN XXXX: CE Technical Elective II
4H CHEM 1421: Chem. for Engineers I	← (P) PRPM 0022	(P) GEEN 2311 → 3H COMM 2312: Tech. & Prof. Comm.	3H CVEN 3344: Sustainable Engineering	(P) CVEN 3311 → 3H Social Science: Social Science Elective
3H GEEN 2311: Eng. Mechanics I: Statics	← (P) PHYS 1421 ← (C) MATH 1423	(P) COMM 1311 → 2H ALIS 1212: The Soc'l Syst. in Islam	3H CVEN 3322	(P) COMM 1312 →
		(P) COMM 2311 →		(P) COMM 2311 →

B. TUBANZA

Summer Semester 3H	
3H CVEN 3301: Internship	← End of Junior Year (summer before graduation) & depart. approval

How to read study plan:

The dotted-lined square indicates a pre-requisite class

Electives: Social Science Elective: Choose one - HIST 1311, PSYC 1311, ECON 1311, ECON 1312, GEGR 1311, SUST 1311, FREN 1311

Natural Science Electives: CHEM 1411 Introductory Chemistry, PHYS 1411 Introductory Physics, BIOL 1411 Introductory Biology, GEOL 1411 Introduction to physical geology

CVEN Technical Electives: CVEN 4324 Foundation Analysis & Design - (Pre-requisite) CVEN 4323; CVEN 4334 Air Pollution & Control - (Pre-requisite) CVEN 3331, GEEN 3311