

Semester 1			Semester 2			
Code	Course name	UOC	Code	Course name	UOC	
YEAR 1	ENGG1000	Design and Innovation	6	CVEN1300	Engineering Mechanics for Civil Engineers	6
	PHYS11x1	(Higher) Physics 1A	6	ENGG1811/ COMP1911	Computing for Engineers/ Computing 1	6
	MATH11x1	(Higher) Math 1A	6	MATH12x1	(Higher) Math 1B	6
	PTRL1010	Intro. to Petroleum Industry (*)	6	MATS1101	Eng. Materials and Chemistry (**)	6
YEAR 2	CEIC2001	Fluid and Particle Mechanics	6	GEOS3321	Fund. of Petroleum Geology (*)	6
	PTRL2010	Bus. Practices in Petro. Ind	6	PTRL2018	Introduction to Petrophysics	6
	MATH2019	Engineering Mathematics 2E	6	PTRL2019	Reservoir Engineering A (#)	6
	CVEN2301	Mechanics for Solids	6	CVEN2002	Engineering Computations for Civil Engineers	6
YEAR 3	PTRL3001	Reservoir Engineering B	6	PTRL3002	Reservoir Charac. & Simulation	6
	PTRL3003	Field Dev. Geology & Geophys.	6	PTRL3022	Design for Petroleum Engineers	6
	PTRL3015	Well Drilling Equip. & Operat.	6	CVEN2101	Engineering Construction	6
	CVEN2401	Sustainable Transport & Highways	6	CVEN2303	Structural Analysis & Modelling	6
YEAR 4	CVEN3501	Water Resources	6	GENxxxx	General Education	6
	CVEN3303	Steel Structures	6	CVEN3203	Applied Geotechnics and Engineering Geology (^)	6
	CVEN3101	Engineering Operations & Control	6	PTRL3023	Formation Evaluation	6
	CVEN3202	Soil Mechanics (^)	6	CVEN3304	Concrete Structures	6
YEAR 5	PTRL4010	Thesis A	6	PTRL4011	Thesis B	6
	PTRL4012	Enhanced Oil & Gas Recovery	6	PTRL4017	Well Technology	6
	PTRL4020	Natural Gas Engineering	6	PTRL4021	Petroleum Production Eng.	6
	GENxxxx	General Education	6	PTRL3025	Petroleum Economics	6

(*) First Year Elective

(**) Recommended Elective

(^)= Professional Petroleum Elective

(#) For CVEN2501 Principles of Water Engineering

Note: 12 UOC General Education required in total