

B.S. in Petroleum Engineering (PETE)
 Four-year Academic Plan – With Concentration
 Digital/Business Foundation



جامعة الملك فهد للبترول والمعادن
 King Fahd University of Petroleum & Minerals

Freshman Year															
Course	Type	Title	LT	LB	Cr	Course	Type	Title	LT	LB	Cr				
ENGL 101	GS	Intro. to Academic Discourse	3	0	3	CHEM 101	MS	Principles of Chemical Science I	3	4	4				
GEOL 102	CR	Principles of Geology	2	0	2	ENGL 102	GS	Intro. to Report Writing	3	0	3				
MATH 101	MS	Calculus I	4	0	4	GEOP 102	CR	Essentials of Geophysics	2	0	2				
PE 101	GS	Health and Physical Education I	0	2	1	MATH 102	MS	Calculus II	4	0	4				
PETE 101	CR	Intro. to the Petroleum Industry	2	0	2	PHYS 102	MS	General Physics II	3	3	4				
PHYS 101	MS	General Physics I	3	3	4										
Total					14	5	16	Total					15	7	17
Summer Training I						CPG 199	CR	Summer Camp	0	0	1				
Sophomore Year															
Course	Type	Title	LT	LB	Cr	Course	Type	Title	LT	LB	Cr				
CE 202	CR	Statics & Strength of Materials	3	0	3	CHE 204	CR	Fluid Mechanics	3	0	3				
GS xxx	GS	GS Elective	3	0	3	ENGL 214	GS	Academic & Professional Comm.	3	0	3				
IAS 121	GS	Language Foundation	2	0	2	ISE 291	DF	Intro. to Data Science	3	0	3				
ICS 104	DF	Intro. to Programm. In Python & C	2	3	3	IAS 111	GS	Belief & its Consequences	2	0	2				
MATH 201	MS	Calculus III	3	0	3	MATH 208	MS	Intro. to Diff. Eq. & Linear Algebra	3	0	3				
PETE 202	CR	Phase Behavior	3	0	3	PETE 206	CR	Rock & Fluid Properties	3	3	4				
Total					16	3	17	Total					17	3	18
Junior Year															
Course	Type	Title	LT	LB	Cr	Course	Type	Title	LT	LB	Cr				
GEOL 345	CR	Integrated Petroleum Geology	3	3	4	PETE 302	CR	Well Completion	3	0	3				
IAS 212	GS	Ethics and Governance	2	0	2	COE 292	DF	Intro. to Artificial Intelligence	3	0	3				
PETE 301	CR	Reservoir Engineering	3	0	3	PETE 315	CR	Reservoir Description	3	3	4				
PETE 311	CR	Drilling Engineering	3	3	4	PETE 306	CR	Well Testing	3	0	3				
PETE 313	CR	Well Logging	3	0	3	BUS 200	DF	Business & Entrepreneurship	3	0	3				
						CGS 392	GS	Career Essentials	0	2	1				
Total					14	6	16	Total					15	5	17
Summer Training II						PETE 399	CR	Summer Training	0	0	0				
Senior Year															
Course	Type	Title	LT	LB	Cr	Course	Type	Title	LT	LB	Cr				
CPG 498	CR	Integrated Design I	0	3	1	CPG 499	CR	Integrated Design II	0	6	2				
PETE 402	CR	Reservoir Simulation	2	3	3	IAS xxx	GS	Islamic/Arabic Elective	2	0	2				
PETE 407	CR	Petroleum Economics	3	0	3	PETE 403	CR	Petroleum Production Engineering	3	0	3				
XXX	xxx	Concentration I	3	0	3	XXX	xxx	Concentration III	3	0	3				
XXX	xxx	Concentration II	3	0	3	XXX	xxx	Concentration IV	3	0	3				
Total					11	6	13	Total					11	6	13
Total Credit Hours											128				
MS	Math and Science				26										
GS	General Studies				22										
CR	Core Subjects				56										
CE	Core Electives				12										
EN	Engineering Electives				0										
TE	Technical Electives				0										
FE	Free Electives				0										
DF	Digital/Business Foundation				12										
Total					128										
Total Core (CR+CE)					68										
Total Engineering (Total Core+EN)					68										