

B.S. in Petroleum Engineering (PETE)

Four-year Academic Plan

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	General Chemistry 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						Total					
14						15					
5						7					
16						17					

Summer Training I

CPG 199	CR	Summer Camp	0	0	1
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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						Total					
16						17					
3						3					
17						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	Professional Ethics	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						Total					
14						15					
6						5					
16						17					

Summer Training II

PETE 399	CR	Summer Training	0	0	0
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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
GEOL 3xx	CE	Geology Elective	2	3	3	PETE 403	CR	Petroleum Production Engineering	3	0	3
PETE 402	CR	Reservoir Simulation	2	3	3	PETE 4xx	CE	PETE Elective I	3	0	3
PETE 407	CR	Petroleum Economics	3	0	3	PETE 4xx	CE	PETE Elective II	3	0	3
GEOP xxx	CE	Geophysics Elective	3	0	3	IAS xxx	GS	Islamic/Arabic Elective	2	0	2
Total						Total					
10						11					
9						6					
13						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