

Example Dual-Degree Plan:
**Chemistry B.S.— Baker University &
Petroleum Engineering B.S.—University of North Dakota (UND)**

Freshman Fall				
Course #		Cr.	Where	Notes
CH137/L	Gen. Chemistry I/Lab	4	BU	
BK101	Baker Experience	1	BU	
BC110	Freshman Seminar I	3	BU	
MA171	Calculus I	4	BU	
Core-WL	World Language	4	BU	

Sophomore Fall				
Course #		Cr.	Where	Notes
CH251/L	Organic Chemistry I/Lab	4	BU	
PC225	General Physics I	4	BU	
MA372	Differential Equations	3	BU	
Core-CA	Core Elective- Creative Arts	3	BU	
GEO203/L	Earth Dynamics/Lab	4	UND	

Junior Fall				
Course #	Course Name	Cr.	Taken	Notes
PC361	Thermodynamics	3	BU	
CH361L	Physical Chemistry Lab I	1	BU	
PC325	Gen. Physics III	4	BU	See Below*
Core- SS	Core Elective- Social Sciences	3	BU	
PTRE301	Reservoir Rock Properties	3	UND	
ME306	Fluid Mechanics	3	UND	

Senior Fall				
Course #	Course Name	Cr	Taken	Notes
Core-HU	Core Elective- Humanities	3	BU	
PTRE401	Well Logging	3	UND	
PTRE431	Reservoir Engineering	3	UND	
PTRE411	Drilling Engineering	3	UND	
PTRE405	Petroleum Engr. Economy & Law	3	UND	

Freshman Spring				
Course #		Cr	Where	Notes
MA172	Calculus II	4	BU	
CH138	Gen. Chemistry II/Lab	4	BU	
BC120	Freshman Seminar II	3	BU	
Core-CA	Core Elective- Creative Arts	3	BU	
ENGR200	Comp. Appl. in Engineering	2	UND	

Sophomore Spring				
Course #		Cr	Where	Notes
CH252/L	Organic Chemistry II/Lab	4	BU	ACS Elective
PC226	General Physics II	4	BU	See Below*
MA271	Calculus III	4	BU	
PC381	Statics	3	BU	
PTRE201	Intro to Petroleum Engineering	3	UND	

Junior Spring				
Course #		Cr	Where	Notes
CH340	Analytical Chemical Methods	3	BU	
CH362/L	Physical Chemistry II/Lab	4	BU	
GEOL407	Petroleum Geology	3	UND	
ENGR203	Mechanics of Materials	3	UND	
PTRE311	Petroleum Fluid Properties	3	UND	

Senior Spring				
Course #	Course Name	Cr	Where	Notes
CH491	Senior Seminar	2	BU	
CH341	Instrumental Analysis	4	BU	
PTRE451	Advanced Drilling Engineering	3	UND	
PTRE445	Well Testing	3	UND	
Tech EI.	Approved Technical Elective	3	UND	
MATH321	Applied Statistical Methods	3	UND	

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