

Bachelor of Science with a Major in Petroleum Engineering

Freshman	Fall Semester		Sophomore	Fall Semester	
MATH 152	Calculus I	4	MATH 251	Calculus III	4
PHYS 211	Fundamentals of Physics	4	CHEM 161	General Chemistry	5
PHYS 213	Physics lab I	1	COMM 111	Intro. to Public Speak.	3
PHYS 175	Intro. to Engineering	3		Social Sci. Elective	3
ENEX 101	Composition	3		Humanities Elective	3
GEOS 100	General Geology	2			
GEOS 101	General Geology Lab	1			
		<u>1</u>			<u>1</u>
		8			8

Freshman	Spring Semester		Sophomore	Spring Semester	
MATH 153	Calculus II	4	MATH 341	Probability and Statistics	3
PHYS 212	Fundamentals of Physics	4	CHEM 162	General Chemistry	5
PHYS 214	Physics lab II	1	PHYS 295	Engineering Statics	3
ECON 111	Microeconomics	3	CHEM 162	Comm. Physics	3
GEOS 226	Mineralogy and Petrology	4		Humanities Elective	3
		<u>1</u>			<u>1</u>
		6			7

3rd and 4th Years at Montana Tech

Junior			Senior		
ENGR 3260	Fluid Mechanics	3	PET	Elective	6
ENGR 3340	Thermodynamics I	3	PET 3020	Petro. Prod. Engr.	3
ENGR 3350	Mechanics of Materials	3	PET 3070	Petro. Prod. Lab	1
ENGR 3360	Mechanics of Materials Lab	1	PET 3480	Petro. Well Logging	3
GEOE 4570	Subsurface Meth. in Pet. Geol.	3	PET 4100	Reservoir Simulation	3
MATH 2236	Differential Equations	3	PET 4520	Natural Gas Engr.	3
MEC 3630	Engineering Economy	3	PET 4530	Natural Gas Lab	1
PET 2010	Elements of Petro. Engineering	2	PET 4460	Petro. Project Eval.	3
PET 2050	Petroleum Engineering Lab I	1	PRT 4440	Wat. & Enh. Oil Rec.	3
PET 2020	Petroleum Field Practices	1	PET 4920	Petro. Engr. Pro. Des.	3
PET 2060	Petroleum Engineering Lab II	1		Technical Elective	6
PET 3010	Drilling Engineering	3			
PET 3030	Drilling Fluid Lab	1			
PET 3040	Introduction to Rock Properties	3			
PET 3720	Petro. Fluids & Thermodynamics	3			
PET 4040	Reservoir Engineering	3			
PET 4260	Reservoir Characteristics	2			
		<u>3</u>			<u>3</u>
		9			5