

Bachelor of Science with a Major in Geophysical 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		MATH 221	Linear Algebra	4	
PHYS 175	Intro. to Engineering	3		PHYS 321	Electronics for Scientist	3	
ENEX 101	Composition	3					
GEOS 100/101	General Geology and Lab	3					
		<u>1</u>				<u>1</u>	
		8				6	
Freshman		Winter Session		Sophomore		Winter Session	
	Humanities Elective	3			Humanities Elective	3	
		<u>3</u>				<u>3</u>	
		3				3	
Freshman		Spring Semester		Sophomore		Spring Semester	
MATH 153	Calculus II	4		PHYS 330	Communicating Physics	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		MATH 341	Probability and Statistics	3	
GEOS 226	Earth Materials	4			Social Science Elective	3	
		<u>1</u>				<u>1</u>	
		6				7	

3rd and 4th Years at Montana Tech

Junior			Senior		
CS	Computer Science Elective	3	ENGR 4040	Professional Engineering	1
ENGR	Engineering Elective	3	GEOE	Electives	6
GEOE 3030	Structural Geology	3	GEOE 4010	Intro. Seismic Prospecting	3
GEOE 1010	Intro. to Geophysics	1	GEOE 4080	Seismic Prospecting	3
GEOE 1020	Intro. to Geophysics II	1	GEOE 4100	Electrical Prospecting	3
GEOE 3020	Elements of Geophysics	3	GEOE 4500	Inversion: Exper. Des. & Int.	3
GEOE 2250	Physics of the Earth	3	GEOE 4750	Geophysical Engr. Design	3
GEOE 4120	Gravity & Magnetic Expl.	3	MEC 3630	Engr Econ & Financial Mgmt	3
GEOE 4460	Applied Linear Systems	3			
MATH 2236	Differential Equations	3			
MIN 2100	Plane Surveying	3			
PHYS 4536	Methods of Theor. Physics	3			
		<u>3</u>			<u>2</u>
		2			5

Summer between Junior and Senior Year

GEOE 4210	Field Geology & Geophys.	6
-----------	--------------------------	---