



The Association of Professional
Engineers and Geoscientists of Alberta

**GEOLOGICAL ENGINEERING
COURSE EQUIVALENTS
2018 Edition**

<i>University of Alberta</i>		<i>University of Calgary</i>	
18-Geol-A1	Mineralogy and Petrology	GLGY 313	Mineralogy
EAS 224	Mineralogy I	&	
&		GLGY 333	Ign & Met Rocks & Processes
EAS 232	Mineralogy II		
&			
EAS 331	Igneous Petrology		
&			
EAS 332	Met. Petrology		
18-Geol-A2	Hydrogeology		
EAS 323	Introduction to Hydrogeology	GLGY 401	Physical Hydrology
18-Geol-A3	Sedimentation and Stratigraphy		
EAS 222	Stratigraphy and Sedimentation	GLGY 381	Sedimentary Rocks & Processes
18-Geol-A4	Structural Geology		
EAS 233	Geologic Structures	GLGY 343	3D Geologic Structures & Methods
		OR	
		GLGY 445	Structural Geology
18-Geol-A5	Rock Mechanics		
MIN E 323	Rock Mechanics	GLGY 571	Engineering Geology
18-Geol-A6	Soil Mechanics		
CIV E 381	Soil Mechanics	ENCI 423	Geotechnical Engineering I
18-Geol-A7	Applied Geophysics		
GEOPH 210	Physics of the Earth	GOPH 351	Introduction to Geophysics
18-Geol-B1	Contaminant Hydrogeology		
EAS 425	Contaminant Hydrogeology	GLGY 505	Contaminant Hydrogeology
18-Geol-B2	Terrain Analysis		
EAS 324	Quaternary Geoscience & Terrain Analysis	GEOG 484	Remote Sensing Essentials
		OR	
		GEOG 584	Advanced Remote Sensing

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18-Geol-B3 CIV E 683	Site Investigation Site Investigation Practice	GLGY 441	Field Techniques in Hydrogeol
18-Geol-B4 EAS 225	Geomorphology and Pleistocene Geology Earth Surface Processes and Landforms	GLGY 353	Surficial Systems
18-Geol-B5 EAS 205	Environmental Geology Environment Earth		
18-Geol-B6 Select ONE FROM	Resource Geology		
B6-1 EAS 364	Petroleum Deposits Petroleum Geology & Subsurface Methods	GLGY 577	Petroleum Engineering Geology
B6-2	Coal Deposits <i>No Course Equivalent Offered</i>		<i>No Course Equivalent Offered</i>
B6-3 EAS 368	Metalic and Industrial Mineral Deposits Ore Deposits Geology	GLGY 527	Ore Deposits
18-Geol-B7 PET E 364 & PET E 373	Petroleum Development Drilling Engineering Fundamental Petroleum Engineering	GLGY 698	Reservoir Characterization & Field
18-Geol-B8 MIN E 408 OR PET E 484	Resource Economics & Valuation Mining Enterprise Economics Oil and Gas Property Evaluation	ENCH 687	Petroleum Economics
18-Geol-B9	Exploration & Mining Geology <i>No Course Equivalent Offered</i>		<i>No Course Equivalent Offered</i>
18-Geol-B10 Select ONE FROM	Geophysical Exploration Methods		
B10-1 GEOPH 325	Gravity and Magnetic Fields Gravity, Magnetic & Electrical Methods	GOPH 547	Gravity and Magnetics
B10-2 GEOPH 424	Electrical Methods Electrical Methods in Geoph	GOPH 565	Environmental Applications of Geoph
B10-3 GEOPH 326	Exploration Seismology Seismic Imaging	GOPH 559	Geophysical Interpretation

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