

GEOLOGICAL ENGINEERING, BAsC. (for Class of 2027)

STUDENT NAME: _____

				DATE:		
COMPLETE	IN PROGRESS	CODE	TITLE	TERM	UNITS	COMMENTS
		APSC100	Engineering Practice - 3 Modules:	F/W	8.7	
		APSC 101	Engineering Design & Practice		3.2	
		APSC 102	Experimentation		2.0	
		APSC 103	Engineering Design Project		3.5	
		APSC 111	Physics I	F	3.3	
		APSC 131	Chemistry and Materials	F	3.3	
		APSC 141	Intro. Computer Programming 1	F	1.0	
		APSC 151	Earth Systems Engineering	F	3.3	
		APSC 162	Basic Engineering Graphics	F	2.5	
		APSC 171	Calculus I	F	3.3	
		APSC 199	English Proficiency for Engineers	F	0.5	
		APSC 112	Physics II	W	3.3	
		APSC 132	Chemistry and its Applications	W	3.3	
		APSC 172	Calculus II	W	3.3	
		APSC 174	Introduction to Linear Algebra	W	3.3	
		APSC 182	Applied Engineering Mechanics	W	1.7	

SECOND YEAR

		CHEE 209	Analysis of Process Data	F	3.5	
		CIVL 230	Solid Mechanics I	F	4.2	
		GEOE 207	History of Life	F	3.5	
		GEOE 221	Geological Engineering Field Methods	F	5.0	
		GEOE 232	Mineralogy	F	4.5	
		GEOE 281	Earth Systems Engineering	F	3.5	
		APSC 200	Engineering Design and Practice	W	4.0	
		APSC 221	Economic and Business Practice	W	3.0	
		APSC 293	Engineering Communications 2	W	1.0	
		GEOE 235	Genesis and Characterization of Solid Earth Mater	W	4.0	
		GEOE 238	Surficial Processes, Sedimentation and Stratigraph	W	4.0	
		GEOE 249	Geophysical Characterization of the Earth	W	3.5	
		MTHE 225	Ordinary Differential Equation	W	3.5	

THIRD YEAR

		GEOE 300	Geological Engineering Field School (August)	F	4.0	
		CIVL 340	Geotechnical Engineering I	F	3.7	
		CIVL 371	Groundwater Engineering (Fall 2025) instead of 34	F	4.0	
		GEOE 321	Analysis of Rock Structures	F	4.0	
		GEOE 359	Applied Quantitative Analysis in Geol. Engineering	F	3.5	
		GEOE 362	Resource Engineering	F	4.5	
		GEOE 365	Geochemical Characterization of the Earth	F	4.0	
		GEOE 313	Geomechanics and Engineering Geology	W	3.5	
		GEOE 319	Applied Geophysics	W	4.5	
		GEOE 333	Terrain Evaluation	W	4.0	
		GEOE 345	Site Investigation and Geol Engineering Design	W	4.0	
		1 Technical Elective	taken in Third year	F/W	3.5	

FOURTH YEAR

		GEOE 446	Engineering Design Project I	F	4	
		GEOE 447	Engineering Design Project II	W	5.5	
		1 Technical Elective Course		F/W	17.5 Units, of which 10 units from List A and 7.5 units from list B	
		1 Technical Elective Course				
		1 Technical Elective Course				
		1 Technical Elective Course				
		1 Complimentary Studies (HSS) Elective			3	
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				NOTE that Elective requirements are by Credit. A minimum of 17.5 Technical Elective Credits must be taken		