

Geological Engineering, B.A.Sc., AUDIT SHEET (Class of 2023 and onward)

Name: _____

Complete	In Progress	First Year		COMMENTS
		APSC 100 Engineering Practice - 3 modules:		
		APSC 101 Engineering Problem Solving and Modelling	F/W	9.0
		APSC 102 Experimentation and Design		
		APSC 103 Engineering Design Project		
		APSC 199 English Proficiency for Engineers	F/W	0.2
		APSC 111 Physics I	F	3.3
		APSC 131 Chemistry and Materials	F	3.3
		APSC 142 Computer Programming for Engineers (or MNTC 313)	F	3.3
		APSC 151 Earth Systems Engineering	F	3.3
		APSC 171 Calculus I	F	3.3
		APSC 112 Physics II	W	3.3
		APSC 132 Chemistry and its Applications	W	3.3
		APSC 163 Basic Engineering Graphics	F	2.5
		APSC 172 Calculus II	W	3.3
		APSC 174 Introduction to Linear Algebra	W	3.3
		APSC 182 Applied Engineering Mechanics	W	1.7

Complete	In Progress	Second Year		COMMENTS
		CHEE 209 Analysis of Process Data	F	3.5
		CIVL 230 Solid Mechanics I	F	4.25
		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 Introduction to Geological Engineering	F	4.0
		APSC 221 Economics and Business Practices in Engineering	W	3.0
		APSC 200 Engineering Design and Practice II	W	4.0
		APSC 293 Engineering Communications I	W	1.0
		GEOE 235 Genesis and Characterization of Solid Earth Materials	W	4.0
		GEOE 238 Surficial Processes, Sedimentation and Stratigraphy	W	4.0
		GEOE 249 Geophysical Characterization of the Earth	W	3.5
		MTHE 225 Ordinary Differential Equations	W	3.5

*Note: GEOE take APSC 221, APSC 200, APSC 293 and MTHE 225 in the Winter term

Minimum Total Credits: 46.75

Complete	In Progress	Interession (Taken in August before 3rd Year)		COMMENTS
		GEOE 300 Geological Engineering Field School	S	4.0

Complete	In Progress	Third Year		COMMENTS
		GEOE 321 Analysis of Rock Structures	F	4.0
		CIVL 340 Geotechnical Engineering I	F	3.75
		GEOE 343 Applied Hydrogeology	F	3.5
		GEOE 365 Geochemical Characterization of the Earth	F	4.0
		GEOE 359 Applied Quantitative Analysis in Geological Engineering	F	3.5
		GEOE 313 Engineering Geology and Geomechanics	W	4.0
		GEOE 362 Resource Engineering	W	4.5
		GEOE 319 Applied Geophysics	W	4.5
		GEOE 333 Terrain Evaluation	W	4.0
		GEOE 345 Site Investigation & Geological Engineering Design	W	4.0

*Note: GEOE typically take one technical elective course in 3rd year

Minimum Total Credits: 43.75

Complete	In Progress	Fourth Year		COMMENTS
		GEOE 446 Engineering Design Project I	F	4.0
		GEOE 447 Engineering Design Project II	W	5.5
		+1 technical elective course (see notes for credit info)	F/W	minimum:
		+1 technical elective course (see notes for credit info)	F/W	17.5*
		+1 technical elective course (see notes for credit info)	F/W	
		+1 technical elective course (see notes for credit info)	F/W	
		+1 technical elective course (see notes for credit info)	F/W	of which from
		+1 complementary studies (HSS) elective	F/W	sublist: 7**
		+1 complementary studies (HSS) elective	F/W	3.0
		+1 complementary studies (HSS) elective	F/W	3.0
		+1 complementary studies (HSS) elective	F/W	3.0

* Note: these are typically (but not exclusively) taken as 5 TE elective courses with a minimum average of 3.5 credits per course

Minimum Total Credits: 36

** Note: It is mandatory that at least 7 Technical Electives (TE) Credits be taken from the following list: APSC 381, APSC 480, CIVL 215, CIVL 250, CIVL 341, CIVL 443, CIVL 471, GEOE 410, GEOE 413, GEOE 462, MINE 321, MINE 467.