

# Kutztown University - Bachelor of Science - Geology

I. BASIC REQUIREMENTS: 9/10 credits		
<b>A. COMPOSITION: 3 credits</b>		
ENG 023-025, 230	Grade	Credits
		3
<b>B. ORAL COMMUNICATIONS: 3 credits</b>		
SPE 010		3
<b>C. HEALTH: 2/3 credits</b>		
HPD 110, 115, 116, or 120		2
<b>D. PHYSICAL EDUCATION: 1 credit</b>		
HPD 011-095, 170		1
II. HUMANITIES: 12 credits		
<b>A. LITERATURE: 3 credits</b>		
ENG or FRE 138		3
<b>B. MUSIC or THEATER: 3 credits</b>		
MUS		3
THE		3
<b>C. ART HISTORY or PHILOSOPHY: 3 credits</b>		
ARH		3
ART 010 or 015		3
PHI		3
RAR 105 or 342		3
<b>D. HUMANITIES ELECTIVE: 3 credits</b>		
Elective in any discipline listed under Section II and including CDH, FRE, GER, HUM, MLS, and SPA		
		3
III. SOCIAL SCIENCES: 12 credits		
<b>A. HISTORY or POLITICAL SCI.: 3 credits</b>		
HIS		3
POL		3
<b>B. ANTH or PSYCH or SOCIO: 3 credits</b>		
ANT		3
PSY**		3
SOC**		3
<b>C. ECONOMICS or GEOGRAPHY: 3 credits</b>		
ECO		3
GEG***		3
<b>D. ELECTIVE in any discipline listed under Sect. III including INT and SSE courses: 3 credits</b>		
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IV. NATURAL SCI. & MATH.: 12 credits		
This requirement will be fulfilled as part of the Geology degree requirements.		
<b>V. FREE ELECTIVES: 13/17 credits</b>		

VI. MAJOR PROGRAM: 44 credits		
<b>A. REQUIRED COURSES: 38 credits</b>		
GEL 100 Physical Geology	Grade	Credits
		4
GEL 102 Historical Geology		4
GEL 200 Field Geology		3
GEL 220 Mineralogy		4
GEL 230 Paleontology		3
GEL 304 Structural Geology		4
GEL 316 Petrology & Geochemistry		4
GEL 346 Sedimentology & Stratigraphy		4
GEL 358 Geophysics		3
GEL 362 Hydrogeology		3
GEL 380 Senior Seminar		2
<b>B. GEOLOGY ELECTIVES: 6 credits</b>		
GEL 210 Environmental Geology		3
GEL 302 Economic Geology		3
GEL 324 Geomorphology		3
GEL 366 Marine Geology		3
GEL 368 Research in Geology I		1-3
GEL 369 Research in Geology II		1-3
GEL 371-373 Selected Topics in Geol.		1-6
GEL 390 Internship in Geology		1-4
GEL 398 Honors Suppl. Research		1-3
VII. CONCOMITANT COURSES: 26-29 credits		
<b>A. CHEMISTRY: 8 credits</b>		
CHM 100 General Chemistry I		4
CHM 102 General Chemistry II		4
<b>B. PHYSICS: 8 credits</b>		
PHY 040 or 100		4
PHY 042 or 102		4
<b>C. MATHEMATICS: 6-9 credits</b>		
<i>Option 1</i>		
MAT 105 College Algebra		3
MAT 106 Trigonometry		3
MAT 171 Calculus I		3
<i>Option 2</i>		
MAT 115 Precalculus		3
MAT 171 Calculus I		3
<i>Option 3</i>		
MAT 171 Calculus I		3
MAT 172 Calculus II		3
<b>D. BIOLOGY: 4 credits</b>		
BIO 104 Principles of Biology		4

VIII. GRADUATION REQUIREMENTS	
<b>A. Cumulative Q.P.A.</b>	
<b>B. Total Semester Hours (credits)</b>	
General Education	
Major Program	
Concomitant	
Total	
<b>C. Pass the Comprehensive Exam</b>	

NOTES	
* GEG 274 (Intro to GIS) is strongly recommended to fill this category	
** PSY 011 and SOC 010 are prerequisites to most other courses in their respective disciplines	
*** GEG -- Non-laboratory courses only allowed in this category	

Program Code:	#23501
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