Bachelor of Science in Energy & Earth Resources -- 120 Credits

JENER-BS (RG 5988)

Effective August 2016

GENERAL EDUCATION REQUIREMENTS (RG 6825)

REQUIRED COURSES

Foundational Courses	CR	Satisfied/Term	
Engcmp 0003 **or** 0005	3		
Engcmp 0004 **or** 0006	3		
CommRc 0052 Public Speaking	3		
Basic Algebra or Placement Test			
Math 0001 Algebra 1	3		
Quantitative Reasoning (QR) - 1 Course			
Note - a student cannot test out of their QR requirement.			
	3		

FREE ELECTIVES

Free electives are the balance of credits required for graduation (120) that are not used to satisfy competencies, knowledge areas, major requirements, electives, or any related area required by the department.

	CR	Satisfied/Term	

WORLDS OF KNOWLEDGE

Aesthetic and Creative Expression					
Subject	**Number**	**Course Title**	**CR**	Satisfied/Term	
			3		
			3		

Global History & Culture					
Subject	**Number**	**Course Title**	**CR**	Satisfied/Term	
			3		
			3		

Societies & Civics					
Subject	**Number**	**Course Title**	**CR**	Satisfied/Term	
			3		
			3		

Science & Nature					
Subject	**Number**	**Course Title**	**CR**	Satisfied/Term	
Chem	0111	Gen Chem 1	3		
Phys	0140 or 0150	Intro Physics 1 Physics 1	4		

Follow-Up Courses					
Subject	**Number**	**Course Title**	**CR**	Satisfied/Term	
Chem	0112	Gen. Chem 2	3		
Phys	0142 or 0152	Intro Physics 2 Physics 2	4		

Each student must take 2 courses in each World of Knowledge. The 8 courses taken in the Worlds must represent 8 different Subjects. A student must take two additional "Follow-Up" courses in any World.

>The minimum number of courses taken in the Worlds must be 10.

>The Follow-Up courses may repeat a subject previously taken in a World.

>A student cannot use a major required Subject course in one of the Worlds.

>For example: A Biology student cannot use BIOL 0110 to fulfill a requirement in the Science and Nature World.

>Students cannot use a course to count both in their QR requirement and one of the Worlds.

>Students can choose QR and Worlds of Knowledge courses from published course lists.

MAJOR REQUIREMENTS (RG 5988)

(RQL 2770-10)

Required Geology Courses	CR	Satisfied/Term	
Geol 0015 Physical Geology	4		
Geol 0061 Historical Geology	4		
Geol 1157 Geol Field Methods	4		
Requirement Satisfied	**12**		

(RQL 2770-20)

Required Courses	CR	Satisfied/Term	
Chem 0111 General Chemistry 1	3		
Chem 0112 General Chemistry 2	3		
Chem 0113 General Chemistry 1 Lab	1		
Chem 0114 General Chemistry 2 Lab	1		
Requirement Satisfied	**8**		

(RQL 2770-30, 40)

Required Geography Courses	CR	Satisfied/Term	
Geog 0420 Cartography	3		
Geog 1440 GIS	3		
Requirement Satisfied	**6**		

(RQL 2770-40)

Required Courses	CR	Satisfied/Term	
Math 0221 Analytic Geom & Calc 1	4		
Requirement Satisfied	**4**		

(RQL 2770-70)

Real World Experience Courses	CR	Satisfied/Term	
Geol 1108 Rept Wrt & Comp Appl	3		
Geol 1170 Internship	4		
Requirement Satisfied	**7**		

Concentrations

(RQL 2771-10, 15, 20, 25, 27)

Energy Concentration Required Classes	CR	Satisfied/Term	
Geol 1004 Igneos & Metm Petr & Petgrphy	4		
Geol 1000 Mineralogy & Opt Mineralogy	4		
Geol 1005 Sediment. & Stratigraphy	4		
Geol 1110 Structural Geology	4		
Geol 1406 Exploration Geophysics	4		
Geol 0220 Fossil Fuels	3		
Math 0231 Analytic Geom. & Calc 2	4		
Phys 0140 Intro to Phys 1 **Or** Phys 0150 Phys 1	4		
Phys 0141 Exp Phys 1 Lab **Or** Phys 0151 Phys 1 Lab	1		
MET 1144 - Energy	3		
Or Geol 1061 Geomorphology	4		
Or Geol 1106 Hydrogeology	4		
Or Geol 1139 Geology of Soils	4		
Requirement Satisfied	**35-36**		

(RQL 2771-30, 35, 40, 45, 50)

Environmental Concentration Required Classes	CR	Satisfied/Term	
Geol 1000 Mineralogy & Opt Mineralogy	4		
Geol 1106 Hydrogeology	4		
Geol 1061 Geomorphology	4		
Geol 1139 Geology of Soils	4		
Chem 0230 Fund of Organic Chem	4		
Chem 0235 Fund of Org Chem Lab	1		
Biol 0110 General Biology 1	3		
Biol 0111 General Biology 1 Lab	1		
Biol 0120 General Biology 2	3		
Biol 0121 General Biology 2 Lab	1		
Biol 1515 General Ecology	3		
Biol 1615 General Ecology Lab	1		
MET 1144 - Energy	3		
Or EER 1004 Igneos & Metm Petr & Petgrphy	4		
Or Geol 1005 Sediment. & Stratigraphy	4		
Or Geol 1406 Solid Earth Geophysics	4		
Requirement Satisfied	**36-37**		

IMPORTANT INFORMATION:

This sheet is an unofficial representation of the proposed major requirements and the information is subject to change. It is not an official record of academic progress and should not be treated as such. Official degree information can only be obtained through the Division Office or the Office of the Registrar.

Created 8/22/2017