

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

JENER-BS (RG 5988)  
Effective August 2016

## GENERAL EDUCATION REQUIREMENTS

### REQUIRED COURSES (RG 6813)

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		
<i>Note - a student cannot test out of their QR requirement.</i>		
	3	

### WORLDS OF KNOWLEDGE (RG 6825)

Aesthetic and Creative Expression (RQ 3148)				
Subject	Number	Course Title	CR	Satisfied/Term
			3	
			3	

Global History & Culture (RQ 3149)				
Subject	Number	Course Title	CR	Satisfied/Term
			3	
			3	

Societies & Civics (RQ 3150)				
Subject	Number	Course Title	CR	Satisfied/Term
			3	
			3	

Science & Nature (RQ 3153)				
Subject	Number	Course Title	CR	Satisfied/Term
Chem	0111	Gen Chem 1	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

Follow-Up Courses (RQ 3154)				
Subject	Number	Course Title	CR	Satisfied/Term
Chem	0112	Gen. Chem 2	3	

Each student must take 2 courses in each World of Knowledge. The two courses taken within each World must be from different subjects. A student must take two additional "Follow-Up" courses from 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)

(RQ 3570)

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

(RQ 3572)

Required Geography Courses			CR	Satisfied/Term
Geog 0420	Cartography	3		
Geog 1440	GIS	3		
<b>Requirement Satisfied</b>			<b>6</b>	

(RQ 3574)

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

(RQ 3571)

Required Chemistry 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		
<b>Requirement Satisfied</b>			<b>8</b>	

(RQ 3573)

Required Math Course			CR	Satisfied/Term
Math 0221	Analytic Geom & Calc 1	4		
<b>Requirement Satisfied</b>			<b>4</b>	

### Concentrations (RQ 3575)

(RQL 010-100)

Energy Concentration			CR	Satisfied/Term
Required Classes			CR	Satisfied/Term
Geol 1004	Igneos & Metm Petr & Petrgrphy	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	
<b>Requirement Satisfied</b>			<b>35-36</b>	

(RQL 110-180)

Environmental Concentration			CR	Satisfied/Term
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 Geol 1004 Igneos & Metm Petr & Petrgrphy			4	
Or Geol 1005 Sediment. & Stratigraphy			4	
Or Geol 1406 Solid Earth Geophysics			4	
<b>Requirement Satisfied</b>			<b>36-37</b>	

MGPA (RQ 0852)

Major 50% (RQ 2876)

### 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.

Updated 6/4/18