

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

JENER-BS (RG 5988)

(Effective Sept 2015)

GENERAL EDUCATION REQUIREMENTS (RG 245)

COMPETENCY AREAS - See Approved List of GenEd Courses

(RQ 736)

WRITING (RQL 736-10, 20)	CR	Satisfied/Term
Engcmp 0003 or 0005	3	
Engcmp 0004 or 0006	3	
Select one of the following options (RQL 736-30, 40)		
1 Primary Writing OR 2 Writing Enhanced courses		
	3	
	3	

(RQ 760)

SPEAKING (Select one option below)		
Option A: Any 3 Speaking Enhanced Courses (RQL 760-30)		
	3	
	3	
	3	
Option B: 1 course from each area below (RQL 760-10, 20)		
Any Primary Speaking Course		
	3	
Any Speaking Enhanced Course		
	3	

(RQ 886)

BASIC ALGEBRA & QUANTITATIVE REASONING		
The following requirements may be satisfied through placement exams; UPJ courses, transfer or College in High School courses		
Basic Algebra Requirement (RQL 886-10)	CR	Satisfied/Term
Satisfied by:		
Quantitative Reasoning Requirement (RQL 886-20)		
Satisfied by:		

KNOWLEDGE AREAS - See Approved List of GenEd Courses

(RQL 722-10 thru -60)

Social Science - 12 credits minimum		
Select one of the following options		
A. Select 1 course from 4 different disciplines		
B. Select 1 course from 3 different disciplines		
AND 1 follow-up course in any one of those 3		
Anthropology		
Economics		
Geography		
History		
Political Science		
Sociology		
Follow-up course		

(RQL 725-50 thru -130)

Humanities - 12 credits minimum		
Select one of the following options		
A. Select 1 course from 4 different disciplines		
B. Select 1 course from 3 different disciplines		
AND 1 follow-up course in any one of those 3		
Communication		
English Literature		
English Writing		
Fine Arts		
Foreign Language		
Journalism		
Music		
Philosophy		
Theatre		
Follow-up course		

(RQ 1612)

Natural Science - 12 credits minimum		
Fulfilled by required courses	12	

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	

(RQL 2770-30, 40)

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

(RQL 2770-70)

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

(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	

(RQL 2770-40)

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

CONCENTRATIONS

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

Energy Concentration		
Required Classes	CR	Satisfied/Term
EER 1004 Igneous & Metm Petr & Petgrph	4	
Geol 1000 Mineralgy & Opt Mineralgy	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	

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

Environmental Concentration		
Required Classes	CR	Satisfied/Term
Geol 1000 Mineralgy & Opt Mineralgy	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 Igneous & Metm Petr & Petg	4	
Or Geol 1005 Sediment. & Stratigraphy	4	
Or Geol 1406 Solid Earth Geophysics	4	

FREE ELECTIVES

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.		

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.