

Name: _____ ID: _____

- Courses taken to fulfill the requirements for the major must be taken for a **letter grade** if the option is offered.
- Any changes must be approved by the student's academic advisor prior to the beginning of the quarter in which the course will be taught.

Required Core Courses

Number	Title	Units	Term
ENERGY 101	Energy and the Environment	3	
ENERGY 104	Sustainable Energy for 9 Billion	3	
ENERGY 120	Fundamentals of Petroleum Engineering	3	
ENERYG 160	Uncertainty Quantification in Data-Centric Simulations	3	
ENERGY 199	Senior Project and Seminar in Energy Resources (WIM)	3-4	
ENGR 14	Intro to Solid Mechanics	3	
ME 30	Engineering Thermodynamics	3	
ENERGY 110	Engineering Economics	3	
ME 70	Introductory Fluids Engineering (<i>or</i> CHEMENG 120A Fluid Mechanics)	3	
CS 106A	Programming Methodology	3-5	
CS 106B	Programming Abstractions	3-5	
	Technology in Society:	3-5	

Earth & Energy Depth (total of at least 18 units). Choose at least 5 courses from either Renewable and Clean Energy or Petroleum Engineering emphasis course list. Complete at least one course from the other emphasis.

Emphasis: _____

Number	Title	Units	Term

Required Mathematics & Calculus Series

Number	Title	Units	Term
MATH 19	Calculus	3	
MATH 20	Calculus	3	
MATH 21	Calculus	4	

Required Support Sciences

Number	Title	Units	Term
CHEM 31A	Chemical Principles I	5	
CHEM 31B	Chemical Principles II	5	
CHEM 33	Structure and Reactivity	5	
PHYSICS 41	Mechanics	4	
PHYSICS 43	Electricity and Magnetism	4	
PHYSICS 45	Light and Heat	4	
PHYSICS 46	Light and Heat Lab	1	
GEOLSCI 1	Introduction to Geology	5	

Total Number of Units Included on Form: _____

Term/Year of Expected Graduation: _____

Student Signature

Date

Advisor Signature

Date

Student Services Signature

Date

Substitutions: **Ensure all substitutions are approved prior to changing courses in each quarter.**

Course substituting	Units	New course	Units	Advisor Approval & Date

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Course No.	ERE Units	Math/Sci Units	Other Units	Course No.	ERE Units	Math/Sci Units	Other Units	Course No.	ERE Units	Math/Sci Units	Other Units
Freshman												
	<i>Subtotals</i>					<i>Subtotals</i>				<i>Subtotals</i>		
Total				Total				Total				
Sophomore												
	<i>Subtotals</i>					<i>Subtotals</i>				<i>Subtotals</i>		
Total				Total				Total				
Junior												
	<i>Subtotals</i>					<i>Subtotals</i>				<i>Subtotals</i>		
Total				Total				Total				
Senior												
	<i>Subtotals</i>					<i>Subtotals</i>				<i>Subtotals</i>		
Total				Total				Total				
											Total Units:	

*Note Summer courses in spring quarter with Asterisks by course title.