

## STUDENT ADVISING SHEET: Minor Earth Sciences

ADVISOR: \_\_\_\_\_ DATE: \_\_\_\_\_

STUDENT NAME: \_\_\_\_\_

STUDENT INTERESTS: \_\_\_\_\_

CONTACT INFO: \_\_\_\_\_

### MINOR IN EARTH SCIENCES (Total units = 20)

*Designed for students who wish a background in the geosciences to complement their studies in another field, such as chemistry, biology, anthropology, or geography.*

<b>Geosciences Requirements</b>		<i>SEMESTER</i>
GEOL 110	Physical Geology (4)	<i>ALL</i>
GEOL/METR /OCN 405	Planetary Climate Change (4)	<i>FALL/SPRING</i>
<b>Geosciences Electives (12)</b>		
<p><i>1. Complete 12 units of selected geology, meteorology, and/or oceanography courses in consultation with a Department of Geosciences faculty advisor.</i></p> <p><i>2. At least 6 of the 12 units must be upper division, and no more than 3 of the 6 upper division units can be for General Education courses.</i></p> <p><i>3. At least 3 of the 12 units must be for courses numbered 400 or higher.</i></p>		

<b>Recommended Focus Areas</b>		
<b><i>Geology Focus</i></b>		<i>Units</i>
GEOL 110	Physical Geology	4
GEOL 115	Earth and Life Through Time	4
GEOL 120	Introduction to Geologic Techniques	2
GEOL/METR/OCN 405	Planetary Climate Change	4
Electives	Upper division geosciences courses (minimum 3 units at 400 level or higher; no more than 3 units may be for GE courses)	6
<b>Total units</b>		<b>20</b>
<b><i>Environmental Geology Focus</i></b>		
GEOL 110	Physical Geology	4
GEOL 270	Environmental Geology	4
GEOL/METR/OCN 405	Planetary Climate Change	4
GEOL 450	Geomorphology	4
GEOL 475	Hydrogeology	4
<b>Total units</b>		<b>20</b>
<b><i>Ocean Science Focus</i></b>		
GEOL 110	Physical Geology	4
GEOL/METR 102	Introduction to Oceanography	3
GEOL/METR 103	Introduction to Oceanography Laboratory	1
GEOL/METR/OCN 405	Planetary Climate Change	4
GEOL 452	Coastal Processes	3
GEOL 467	Marine Geology	3
Electives	Upper division geosciences coursework	2
<b>Total units</b>		<b>20</b>
<b><i>Weather and Climate Focus</i></b>		<i>Units</i>
GEOL 110	Physical Geology	4
METR 200	Introduction to Atmospheric and Oceanic Physics and Thermodynamics	3
METR 201	Introduction to Dynamic and Synoptic Meteorology and Oceanography	3
METR 356	California Weather Events	3
GEOL/METR/OCN 405	Planetary Climate Change	4
GEOL 454	Quaternary Climate and Soils	3
<b>Total units</b>		<b>20</b>