

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Curriculum and Recommended Schedule: B.S. degree in EARTH & ENVIRONMENTAL SCIENCES  
with Concentration in ATMOSPHERIC SCIENCES**

FALL Semester	First Year	SPRING Semester	
ENGL 1101 English Composition	3	ENGL 1102 Academic Writing	3
MATH 1241 Calculus I	3	MATH 1242 Calculus II or STAT 12xx	3
CHEM 1251 General Chemistry I	3	PHYS 1101 Introductory Physics I	3
CHEM 1251L General Chemistry I Lab	1	PHYS 1101L Introductory Physics I Lab	1
ESCI 1101 Earth Science-Geography	3	GEOL 1200 Physical Geology	3
ESCI 1101L Earth Science-Geography Lab	1	GEOL 1200L Physical Geology Lab	1
Fall Semester Total	14	Spring Semester Total	14

Second Year			
FORL 1201 (or proficiency)	3	FORL 1202 (or proficiency)	3
LBST 11xx Arts and Society	3	LBST 2101 Western Culture and History	3
CHEM 1252 General Chemistry II + Lab OR	4	METR 3210 Atmospheric Thermodynamics	3
PHYS 1102 Introductory Physics II + Lab	3	ESCI 2210 Field Meth. in Earth & Env. Sci.	3
METR 3140 Intro. to Meteor. and Climat.	3	ESCI 2101 Environmental Dilemma	3
General Elective	3		
Fall Semester Total	16	Spring Semester Total	15

Third Year			
LBST 2102 Global Connections	3	LBST 22xx Liberal Studies Elective	3
METR 3220 Physical Meteorology	3	Writing (W) Comm Elective	3
METR 3245 Synoptic Meteorology	4	Social Science Elective*	3
General Elective	3	GEOG 3120 Fundamentals of GIS	4
General Elective	1	General Elective	3
Fall Semester Total	14	Spring Semester Total	16

Fourth Year			
ESCI 3101 Global Environmental Change	3	ESCI 4600 Earth Science Seminar (O)	1
ESCI 4170 Fundamentals of Remote Sensing	4	G&ES Elective	4
G&ES Elective (W)	3	General Elective	4
General Elective	3	General Elective	3
General Elective	3	General Elective	3
Fall Semester Total	16	Spring Semester Total	15

ESCI BS Requirement	
General Education Requirement	Red
G&ES Dept. Course	Bold

G&ES Elective hours	7
<b>BS ES - ATMOS. CONC. Degree hours</b>	<b>57</b>
<b>CLAS Required Degree total hours</b>	<b>120</b>

**Examples of Supportive G&ES Electives - Fall Offerings**

ESCI 3105 Oceanography	3
ESCI 3205 Water Resources	3
ESCI 4140 Hydrologic Processes	4
ESCI 4210 Soil Science	4
ESCI 4222 Watershed Science	3
GEOG 4216 Landscape Ecology	3
GEOL 3120 Geochemistry	3
GEOL 3120L Geochemistry Lab	1
GEOL 3124 Sedimentology (W)	4
GEOL 4105 Geomorphology	3
GEOL 4105L Geomorphology Lab	1
GEOL 4120 Geologic Mapping and Interpretation	4
GEOL 4140 Coastal Geology	3
METR 4240 Boundary-Layer Meteorology	3

**Examples of Supportive G&ES Electives - Spring Offerings**

CEGR 3143 Hydraulics and Hydrology	3
ESCI 3170 Environmental Quality Management	3
ESCI 3180 Environmental Impact Analysis	3
ESCI 4155 Fluvial Processes	4
ESCI 4160 Contaminant Transport	3
ESCI 4180 Digital Image Processing in Rem. Sens.	4
ESCI 4233 Geoenvironmental Site Characterization	4
GEOG 3215 Environmental Planning (W)	3
GEOG 3250 World Food Problems	3
GEOG 4131 Environmental Modelling with GIS	4
GEOL 3115 Mineralogy	4
GEOL 4145 Fundamentals of Hydrogeology (W)	4
GEOL 4165 Aqueous Geochemistry	4
GEOL 4410 Applied Soil Science	4
METR 3330 Weather Forecasting	3
METR 3250 Dynamic Meteorology	4
METR 4150 Applied Climatology (W)	3
METR 4220 Atmospheric Chemistry	3

Note: ESCI/GEOL/GEOG/METR 3000-4000 Topics courses **may** be accepted for elective credit in the major with **prior** approval.

**We recommend students take the following elective courses if they are interested in pursuing an advanced degree**

Relevant Field Experience Course	3-6
ESCI 4800/METR Independent Study in the Earth Sciences	1-3
MATH 2241 Calculus III	3

\*One of the following courses: ANTH 1101, ECON 1101, ECON 2101, GEOG, 1105, POLS 1110, or SOCY 1101