

Name: _____

Date: _____

Current Curriculum and Recommended Schedule: B.A. degree in EARTH SCIENCES - SEC. EDUCATION OPTION

*Note: Approval for this degree must be coordinated through the Office of Teacher Education and Licensure (TEAL) in the College of Education

FALL Semester	
Social Science Elective**	3
ENGL 1101 English Composition	3
LBST 11xx Arts and Society	3
MATH 1241 Calculus I	3
ESCI 1101 Earth Science-Geography	3
ESCI 1101L Earth Science-Geography Lab	1
Fall Semester Total	16

First Year		SPRING Semester	
	3	MATH 1xxx, STAT 1xxx, or PHIL 2105	3
	3	ENGL 1102 Academic Writing	3
	3	GEOL 1200 Physical Geology	3
	3	GEOL 1200L Physical Geology Lab	1
	3	PHYS 1101 Introduction to Physics I	3
	1	PHYS 1101L Introduction to Physics I Lab	1
	16	Spring Semester Total	14

Second Year	
FORL 1201 (or proficiency)	3
LBST 2101 Western Culture and History	3
GEOL 1210 Earth History	3
GEOL 1210L Earth History Lab	1
MDSK 2100 Diversity & Inclusion Sec Sch***	3
General Elective	1
Fall Semester Total	14

FORL 1202 (or proficiency)	3
ESCI 2101 Environmental Dilemma	3
CHEM 1251 General Chemistry I	3
CHEM 1251L General Chemistry I Lab	1
GEOL 3190 Environmental Geology	3
MDSK 3151 Inst Design & Tech Integration	3
Spring Semester Total	16

LBST 2102 Global Connections	3
ESCI 3105 Oceanography	3
G&ES Elective	2
PHYS 1130 Intro. To Astronomy	3
PHYS 1130L Intro. To Astronomy Lab	1
SECD 4140 The Adolescent in Sec Sch	3
Fall Semester Total	15

Third Year	
LBST 22xx Liberal Studies Elective	3
Extradepart. Physical or Life Science Elective	3
GEOL 3115 Mineralogy	4
G&ES Elective	3
READ 3255 Int Rdg & Writ Content Areas (W)	3
Spring Semester Total	16

GEOG 2103 Intro. To GIScience and Tech	4
G&ES 3000-4000 Elective (W)	4
MDSK 4251 Tch Science Mdl & Sec Sch Lrn	3
EDUC 4291 Mod Inst for Learn w/ Div. Needs	3
Fall Semester Total	14

Fourth Year	
MDSK 4150 Assess, Refl & Mgmt Practices	3
SECD 4453 Stu Teach/Sem: 9-12 Sec Sci (O)	12
Spring Semester Total	15

ESCI BA Requirement	
General Education Requirement	Red
G&ES Dept. Course	Bold
Minor in Secondary Teaching Course	Italics

G&ES Elective hours (4 hours at 3000 or above)	9
BA Earth Science Degree hours	38
Minor in Secondary Education hours*	33
CLAS Required Degree total hours	120

Examples of Supportive G&ES Electives - Fall Offerings	
ESCI 3101 Global Environmental Change	3
ESCI 3205 Water Resources	3
ESCI 4140 Hydrologic Processes	4
ESCI 4170 Fundamentals of Remote Sensing	4
ESCI 4210 Soil Science	4
ESCI 4222 Watershed Science	3
GEOG 4120 Fundamentals of GIS	4
GEOL 3120 Geochemistry	3
GEOL 3120L Geochemistry Lab	1
GEOL 3124 Sedimentology (W)	4
GEOL 3140 Paleontology	3
GEOL 4105 Geomorphology	3
GEOL 4105L Geomorphology Lab	1
GEOL 4140 Coastal Geology	3
METR 3140 Intro. to Meteor. and Climat.	3
METR 3220 Physical Meteorology	3
METR 3245 Synoptic Meteorology	4
METR 4240 Boundary-Layer Meteorology	3
STAT 2122 Introduction to Probability and Statistics	3

Examples of Supportive G&ES Electives - Spring Offerings	
CHEM 1252 General Chemistry II + Lab	4
ESCI 3170 Environmental Quality Management	3
ESCI 4155 Fluvial Processes	4
ESCI 4180 Digital Image Processing in Rem. Sens.	4
ESCI 4233 Geoenvironmental Site Characterization	4
GEOG 3215 Environmental Planning (W)	3
GEOG 4131 Environmental Modelling with GIS	4
GEOL 4110 Stratigraphy	4
GEOL 4115 Applied Geophysics	4
GEOL 4120 Geologic Mapping and Interpretation	4
GEOL 4145 Fundamentals of Hydrogeology (W)	4
GEOL 4165 Aqueous Geochemistry	4
GEOL 4410 Applied Soil Science	4
MATH 1242 Calculus II	3
METR 3250 Dynamic Meteorology	4
METR 3252 Weather Analysis Lab	1
METR 4150 Applied Climatology (W)	3
PHYS 1102 Introductory Physics II + Lab	4

*Must have 45 credit hours with a GPA of 2.5 or higher, passing scores on the SAT, ACT, or Praxis I test, and recommendation by their major advisor

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

***Must earn a "C" or better in this course to proceed with the Secondary Education Minor