

## Solid Earth & Planetary Sciences (SEP) Major

Requirement	Credit Hours	Course(s)
Wellness	2	APPH 1040 <u>or</u> APPH 1050 <u>or</u> APPH 1060
Core A – Essential Skills	3	ENGL 1101
	3	ENGL 1102
	4	MATH 1552
Core B – Institutional Options	3	CS 1301 <u>or</u> CS 1371
Core C – Humanities	6	Choose from institute approved Humanities courses
Core D – Science, Math, & Technology	4	PHYS 2211
	4	CHEM 1310 <u>or</u> CHEM 1211K
	2	MATH 1551
	2	MATH 1553 <u>or</u> MATH 1554 <u>or</u> MATH 1564
Core E – Social Sciences	3	HIST 2111 <u>or</u> HIST 2112 <u>or</u> INTA 1200 <u>or</u> POL 1101 <u>or</u> PUBP 3000
	9	Choose from institute approved Social Science courses
Core F – Courses Relate to Major	4	PHYS 2212
	4	EAS 1601
	4	EAS 2600
	4	MATH 2251
	4	MATH 2252
Major Requirements	3	EAS 2655
	3	EAS 3603
	3	EAS 3610
	3	EAS 4370
	4	EAS 4200 <u>or</u> EAS 4205 <u>or</u> EAS 4380
	1	EAS 4801
	7	<b>Capstone Credits:</b> EAS 4814 <u>or</u> EAS 4420 <b>and</b> EAS 4610 <u>or</u> GaTech Research Option
SEP Technical Electives	12	Choose 12 credits from list of approved courses below
Upper Level Electives	6	Must choose courses at 3000 level or above
Free Electives	15	
<b>TOTAL:</b>	122	<i>* Pass/fail allowed only for Humanities, Social Sciences, and Free Electives.                      * GT1000 is recommended under Free Electives                      * 39 hours out of total 122 must be at 3000 level or above</i>

### **SEP Electives**

*Other courses may be Technical Electives if approved by the ENVS advisor.*

EAS 4200: Structural Geology

EAS 4205 Geomorphology

EAS 4312 Geodynamics

EAS 4314 Seismology

EAS 4316 Earthquake Physics

EAS 4375 Earth & Planetary Materials

EAS 4380 Land Remote Sensing

EAS 4420 Environmental Field Methods

EAS 4360 Space Physics and Space Instrumentation

EAS 4480 Environmental Data Analysis

EAS 4520 Exploration Seismology

EAS 4610 Earth System Modelling

EAS 4651 Practical Internship<sup>1</sup>

EAS 4699 Undergraduate Research<sup>1</sup>

EAS 4803: Special Topics:

*e.g. Earth Evolution, Ice Sheet Dynamics, Geologic History*

1. *6 hours of research and/or internship can count towards SEP technical electives*