

Teacher Education Honors Academy at College of Staten Island  
**MAJOR in Earth Science; Concentration in Adolescence Education Grades 7-12**

	Fall	Spring
Year 1 Summer Orientation	GEO115, Fundamentals of Physical Geology 3cr, 3hrs GEO 116 Fundamentals of Physical Geology Lab 1cr, 2hrs CHM 141,3crs,3hrs Gen Chemistry I CHM 121,1cr,3hrs Gen Chem I lab ENG 111,3crs,4hrs Intro to College Writing COR 100,3crs,4hrs US: Issues, Ideas, &Institutions Total 14 crs	GEO 102 Earth Systems History 3cr. 3hrsI GEO 103Earth Systems Lab 1cr, 2hrs CHM 142,3crs,3hrs Gen Chemistry II CHM 127,1cr,3hrs Gen Chemistry II lab ENG 151,3crs,4hrs College Writing EDS 298, 1cr,1 hr Seminar on Fieldwork MTH 231,3crs,4hrs Calculus I MTH 229,1cr,2hrs Calculus Computer Lab Total 16crs
Year 2	ESC 1XC Meteorology and Climate 3cr, 4hrs ESC 1XD Meteorology and Climate Lab 1cr, 2hrs GEO 2XA Earth Materials 4cr, 4hrs BIO 170 General Biology I, 3cr, 4hr BIO 171Gen. Biology Lab 1cr, 3hr Language 112 3crs, 3hrs (World Cultures and Global Issues) Total 15 crs	GEO 2XB Sedimentology and Stratigraphy 4cr, 4hrs BIO 180 General Biology II 3cr, 4hr BIO 181General Biology II 1cr, 2hr Gen Ed PSY 100, 3crs, 3hrs EDS 201,4crs,4hrs Social Foundations MTH 232 Calculus II, 3cr, 4hrs Total 18crs Apply for Adolescence Ed Program Schedule ALST Cert. test for this semester, before applying to the Adolescence Ed Program
Year 3	BIO 230 Marine Biology and Oceanography 4cr, 4hrs PHY 120,3crs,4hrs General Physics I PHY 121, 1cr,2hrs General Physics I lab EDS 202,4crs,4hrs Pyscholgy Foundations of Education GEO 250 Conservation and Humanity 4cr, 4hrs Total 16 crs Schedule EAS Cert Test	GEO 3XA Geochemistry PHY 160,3crs,4hrs General Physics II PHY 161,1cr,2hrs General Physics II lab EDS 318 4crs,4hrs Secondary School Curriculum in Science Language 114 4cr, 4hrs.  Total 16 crs
Year 4	EDS 304, 4crs,4hrsTeaching of Science Creative Expression 3cr, 3hrs AST/GEO 2XC Planetary Geology 3cr EDP 220 3crs,3hrs Special Education Needs of People with Disabilities Total 13 crs Schedule CST Test	Elective 4cr EDS 400,6crs Student Teaching in Secondary Education EDS 401,2crs,2hrs Practices and Problem Solving in Student Teaching  Total 12 crs

Total requirements = 120 credits. All Earth Science majors must have the approval of an Earth Science Advisor for classes required for the major.