

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

	Fall	Spring
Year 1 Summer Orientation	MTH 231,3crs,4hrs Calculus I MTH 229,1cr,2hrs Calculus Computer Lab PHY 120,3crs,4hrs Gen. Physics I PHY 121,1cr,2hrs Gen. Physics I lab ENG 111,3crs,4hrs Intro to College Writing COR 100,3crs,4hrs US:Issues,Ideas,Institutions Gen Ed PSY 100 3crs,3hrs 17 credits total	MTH 232,3crs,4hrs Calculus II PHY 160,3crs,4hrs General Physics II PHY 161,1cr,2hrs General Physics II lab ENG 151,3crs,4hrs College Writing EDS 298 1cr,1hr Fieldwork Seminar BIO 170, General Biology 3crs, 3 hrs BIO 171, Gen. Bio Lab 1cr, 3 hrs Gen Ed,3crs,3hrs Creative Expression  18 credits total
Year 2	MTH 233,3crs,4hrs Calculus III CHM 141,3crs,4hrs,Gen. Chemistry I CHM 121,1cr,3hrs,Gen. Chemistry I Lab EDP 220 3crs, 3hrs, Special Educational Needs of People with Disabilities CSC 126,4crs,6hrs Intro to Computer Science EDS 201,4crs,4hrs,Social Foundations 18 credits total	PHY 240,3crs,4hrs,Waves and Modern Physics CHM 142,3crs,4hrs,General Chemistry II CHM 127,1cr,3hrs,General Chemistry II Lab MTH 330,4crs,6hrs,Applied Math Analysis I Language 112, 3crs, 3hrs EDS 202,4crs,4hrs,Pysch Foundations 18 credits total  Schedule ALST Cert Test for this semester before applying to Adolescence Ed program
Year 3	PHY 310,4crs,4hrs,Thermodynamics PHY 442,4crs,4hrs,Quantum Mechanics Gen Ed,4crs,4hrs,200 level TALA* (*must satisfy Cont World req) MTH 311,4crs,4hr, Probability 16 credits total  Schedule EAS Cert Test	PHY 381,4crs,4hrs,History of Modern Physics PHY 485,4crs,4hrs,Properties of Materials EDS 318,4crs,4hrs Secondary School Curriculum in Science PHY 425,4crs,4hrs,Astrophysics 16 credits total
Year 4	PHY 356,4crs,4hrs,Electromagnetic Radiation PHY 316,4crs,4hrs Dynamics EDS 304, 4crs,4hrsTeaching of Science Gen Ed, 3crs, 3 hrs (Choose one from 5 Groups Flexible Core PHY 309,2crs,4hrs,Basic Measurements Lab 17 credits Schedule CST Cert. Test	EDS 400,6crs,Student Teaching in Sec. Ed EDS 401,2crs,2hrs,Practices and Problem Solving in Teaching Language 114, 4crs,4hrs  12 credits

Total requirements = 132 credits.

All Physics majors must have the approval of a Physics Advisor for classes required for the major