

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

	Summer	Fall	Spring
Year 1	Orientation Prep for Calculus	MTH 231,3crs,4hrs Calculus I MTH 229,1cr,2hrs Calculus Computer Lab PHY 120,3crs,4hrs General Physics I PHY 121,1cr,2hrs General Physics I lab ENG 111,3crs,4hrs Intro to College Writing COR 100,4crs,4hrs US:Issues,Ideas,Instits Seminar on Teaching 15 credits total	MTH 232,3crs,4hrs Calculus II PHY 160,3crs,4hrs General Physics II PHY 161,1cr,2hrs General Physics II lab ENG 151,4crs,4hrs College Writing CSC 126,4crs,6hrs Intro to Computer Science EDS 599 1cr,1hr Fieldwork Seminar 16 credits total
Year 2	*Language 113 level, 4crs,4hrs	MTH 233,3crs,4hrs Calculus III PHY 250,3crs,3hrs,Engineering Mechanics CHM 141,3crs,4hrs,General Chemistry I CHM 121,1cr,3hrs,General Chemistry I Lab Gen Ed: PSY 100,3crs,3hrs Gen Ed ¹ ,4crs,4hrs,Text, Aesthetic,Linguistic Seminar on Teaching 17 credits total	PHY 240,3crs,4hrs,Waves and Modern Physics EDS 202,4crs,4hrs,Psychological Foundations CHM 142,3crs,4hrs,General Chemistry II CHM 127,1cr,3hrs,General Chemistry II Lab MTH 330,4crs,6hrs,Applied Math Analysis I PED 190,1cr,2hrs Fitness for Life 16 credits total
Year 3	*Language 114 level, 4crs,4hrs	PHY 310,4crs,4hrs,Thermodynamics PHY 442,4crs,4hrs,Quantum Mechanics PHY 309,2crs,4hrsBasic Measurements Lab MTH 331,4crs,4hrsApplied Math AnalysisII EDS 201,4crs,4hrs,Social Foundations 18 credits total	PHY 316,4crs,4hrs,Dynamics PHY 485,4crs,4hrs,Properties of Materials 300-400 PHY course,4crs,4hrs EDS 317,4crs,4hrs 16 credits total
Year 4		PHY 356,4crs,4hrs,Electromagnetic Radiation 300-400 Math course,4crs,4hrs EDS 304, 4crs,4hrsTeaching of Science Gen Ed ¹ ,4crs,4hrs,Contemporary World 16 credits	PHY 315,2crs,4hrs,Advanced Physics Lab 300-400 PHY course,4crs,4hrs EDS 400,6crs,Student Teaching in Sec. Ed EDS 401,2crs,2hrs,Practices and Problem Solving in Teaching 14 credits

Total requirements = 128-136* credits.

*Demonstrated proficiency in a language other than English at the 114 level is required for initial teacher certification

¹Pluralism and Diversity Requirement can be satisfied with appropriate selection in this category