

Tennessee Technological University
 Post-Baccalaureate Licensure Program
 Secondary Science Education (Grades 7-12)
 Physics - Endorsement Code 417

General Education

EXPW 2430	First Aid, Safety, CPR Or Evidence of First Aid/Safety/CPR Training	2	_____
MATH 1910 & 1920	Calculus I & II	8	_____

Professional Education

CUED 4150	Middle Level Curriculum Or CUED 6150 Middle School Curriculum	3	_____
FOED 3830	Field Experience in Education Or CUED 6800 Field Experience	1	_____
FOED 2011 & 1820	Intro to Teaching & Technology & Field Experience Or FOED 6320 Educational Applications of Technology	3	_____
FOED 3010	Integrating Instructional Technology in the Classroom Or CUED 6430 Production of Instructional Materials	3	_____
EDPY 2200	Educational Psychology Or EDPY 7200 Advanced Educational Psychology	3	_____
EDPY 3300	Evaluation & Guidance Or EDPY 6350 Measurement & Evaluation	3	_____
SPED 3000	Teaching Persons W/ Disabilities in the Reg Classroom Or SPED 6010 Survey of Disability Characteristics, Procedures & Methods in Special Education	3	_____
READ 3350	Teaching Reading in Content Areas Or READ 6350 Secondary School Reading Prog	3	_____
SEED 4123 Or 5123	Materials & Methods of Teaching Science	3	_____
FOED 3820	Field Experience in Education Or CUED 6800 Field Experience	1	_____
SEED 4870 & 4880 & 4890	Student Teaching I, II & Seminar	12	_____

General / Physical Science Core

BIOL 1010	Intro to Biology I	4	_____
CHEM 1110	General Chemistry I	4	_____
GEOL 1040	The Dynamic Earth	4	_____

Science Specialization - Physics *

PHYS 2110 & 2120	General Physics I & II	6	_____
PHYS 2111 & 2121	General Physics Lab I & II	2	_____
PHYS 2420	Modern Physics	3	_____
PHYS 2920	Mathematical Physics	3	_____
PHYS Upper Division Electives - Choose 2 from		6	_____
	PHYS 3120 Statistical Thermal Physics		
	PHYS 3610 Classical Mechanics		
	PHYS 3810 Quantum Mechanics		
	PHYS 4610 Classical Electricity and Magnetism		
PHYS 1910	Selected Topics: Physics	1	_____

*The following are pre-or co-requisites for upper division physics courses.
 They are not courses that are required for the physics specialization.

MATH 2110	Calculus III	3	_____
MATH 2120	Differential Equations	3	_____
MATH 4510	Advanced Mathematics for Engineers	3	_____