

THE UNIVERSITY OF RHODE ISLAND
College of Human Science and Services
School of Education

Specialization Requirements in Secondary Education - PHYSICS

Required:

Date(s) Completed	Grade	Course Number	Title	Prerequisites	Credits
		PHY 203 & 273	Elementary Physics I and Lab	MTH 141 (could be concurrent)	3 & 1
		PHY 204 & 274	Elementary Physics II and Lab	PHY 203, MTH 142 (could be concurrent)	3 & 1
		PHY 205 & 275	Elementary Physics III and Lab	PHY 203, MTH 243 or MTH 362 (could be concurrent)	3 & 1
		PHY 306 (Spring only)	Elementary Modern Physics	PHY 204 and 205	3
		PHY 322 (Fall only)	Mechanics	PHY 204 and MTH 244	3
		PHY 331 (Spring only)	Electricity and Magnetism	PHY 204 and MTH 243	3
		PHY 381 (Fall only)	Advanced Laboratory Physics	PHY 204 and 205	3
		PHY 382 (Spring only)	Advanced Laboratory Physics	PHY 204 and 205	3
		PHY 401 (Fall only)	Seminar in Physics		1
		PHY 451 (Fall only)	Introduction to Quantum Mechanics	PHY 306 and 322, and MTH 215, and 244	3

Total Physics credit hours required (minimum) 31

Total Physics laboratory hours required (minimum) 9

Additional science and math requirements:

MTH 141, 142, 243 and 244 (Calculus and differential equations are prerequisites for upper level Physics courses)

A course of chemistry or a course related to nature of science

		Choose 1: CHM____; GWS 220; HIS 116; PHL 215; BIO/GEO 272			3
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A course from the following:

		Choose 1: GEO 103; BIO 101; BIO 102; AST 108			3
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