

## APPROVAL OF PHYSICS MINOR

<b>NAME</b>	<b>CLASS</b>	<b>MAJOR</b>	<b>DATE</b>
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**REQUIRED COURSES:**

The student must complete the following courses with an overall GPA of 2.0 or better.

Date	Grade	Course No. and Name	Prerequisite
<b>CORE COURSES All students seeking the minor must complete the core courses:</b>			
		PY 160 General Physics I (3-0-3) PY 155 Laboratory for PY 160 (0-2-1)	
		PY 161 General Physics II (3-0-3) PY 156 Laboratory for PY 161 (0-2-1)	PY 160
		PY 335 Modern Physics I (3-0-3)	PY 161
<b>ELECTIVES At least 6 additional hours are required, with the following courses approved:</b>			
Date	Grade	Course No. and Name	Prerequisite
		AT 306 Introductory Astrophysics (3-0-3)	PY 161 & either AT 201 or AT 204 or instructor consent
		PY 223 Programming and Data Analysis (1-2-2)	
		PY 253W Optics Laboratory (0-2-1)	PY 161 (Corequisite PY 254)
		PY 254 Optics (3-0-3)	PY 161
		PY 257 Electronics & Interfacing (3-2-4)	PY 161
		PY 262 General Physics III (3-0-3)	PY 161
		PY 308 Introduction to Nanotechnology (3-0-3)	PY 161
		PY 333W Modern Physics Laboratory (0-2-1)	(Corequisite PY 335)
		PY 334 Nuclear Physics Laboratory (0-2-1)	PY 333W & PY 335
		PY 336 Modern Physics II (3-0-3)	PY 335
		PY 341 Electricity and Magnetism I (3-0-3)	PY 161 and MA 311
		PY 342 Electricity and Magnetism II (3-0-3)	PY 341
		PY 344 Nuclear Physics* (3-0-3)	PY 161 (Corequisite PY 334)
		PY 345 Lasers and Their Applications (3-0-3)	PY 335
		PY 441 Classical Mechanics I (3-0-3)	PY 160 and MA 311
		PY 446 Thermal Physics (3-0-3)	PY 335
		PY 453 Nuclear Reactor Engineering* (3-0-3)	PY 161
		PY 459 Intro. to Quantum Mechanics (3-0-3)	PY 335 and MA 301
		PY 460 Topics in Quantum Mechanics (3-0-3)	PY 459

\* Students may count only one of the nuclear courses, PY 344 and PY 453, toward the minor in physics.

Comments:

**Approved:** \_\_\_\_\_

Head of Dept. of Physics & Astronomy  
R-08/2017

**Approved:** \_\_\_\_\_

Head of Cadet's Academic Department