

Physics PhD Degree Requirements & Recommended Timeline

	YEAR 1		YEAR 2		YEARS 3-5
	Fall (12 units)	Spring (12 units)	Fall (12 units)	Spring (12 units)	
<b>CORE COURSES</b>	<b>PHYS 210 (4 units)</b> <i>Electrodynamics &amp; Optics 1</i>	<b>PHYS 237 (4 units)</b> <i>Quantum Mechanics 1</i>			<b>Advance to Candidacy in Year 3</b>
	and	and			
<b>ELECTIVES</b>	<b>PHYS 205 (4 units)</b> <i>Classical Mechanics</i>	<b>PHYS 212 (4 units)</b> <i>Statistical Mechanics</i>			<b>PHYS Grad Elect (3-4 units)</b> <i>One elective must be outside primary research area</i>
<b>SEMINARS</b>	<b>PHYS 293 (1 unit)</b> <i>Physics Colloquium</i>	<b>PHYS 293 (1 unit)</b> <i>Physics Colloquium</i>	<b>PHYS 293 (1 unit)</b> <i>Physics Colloquium</i>	<b>PHYS 293 (1 unit)</b> <i>Physics Colloquium</i>	<b>PHYS or NatSci/SoE Grad Elect (3-4 units)</b>
<b>OTHER COURSES</b>	<b>PHYS 251 (1 unit)</b> <i>Introduction to Graduate Research</i>		<b>QSB 294 (1 unit)</b> <i>Responsible Conduct of Research</i>		
<b>RESEARCH</b>	<b>PHYS 295 (2 units)</b> <i>Graduate Research (1st Lab Rotation)</i>	<b>PHYS 295 (3 units)</b> <i>Graduate Research (2nd Lab Rotation)</i>	<b>PHYS 295 (6-7 units)</b> <i>Graduate Research</i>	<b>PHYS 295 (7-8 units)</b> <i>Graduate Research</i>	<b>PHYS 295 (12 units)</b> <i>Graduate Research (each semester)</i>
<b>TIMELINE FOR ADDITIONAL REQUIREMENTS</b>	<b>Select Advisor</b> <i>by end of 1st year</i>		<b>1st Committee Meeting</b>		<b>Publish peer-reviewed manuscript(s) and/or Present work at scientific conference(s)</b> <i>recommended but not required</i>
	<b>TA Assignment</b> <i>must serve at least one semester</i>		<b>Pass Qualifying Exam</b> <i>may attempt 2 more times, must pass by end of 2nd year</i>	<b>Assemble Committee</b> <i>by 3rd semester</i>	
	<b>Pass Preliminary Exam (offered twice annually)</b> <i>may attempt 4 times, must pass by start of 4th semester</i>				<b>Apply for Graduation</b> <b>Pass Dissertation Defense</b> <b>Submit Manuscript</b>