

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