

Physics (PHYS) Ph.D. Program Sequence: 60 credit hours

Odd		Even		3rd year		4th year		5th year (+)	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
6150 Math. Physics	6300 Classical Mech.	6620 E & M I	6630 E & M II	67x0**	67x0**	An approved elective, 68x0, or 7300***	An approved elective, 68x0, or 7300***	PHYS 7300***	PHYS 7300***
6200 Comp. Physics (if 1st year)	6100 Res. Seminar	6200 Comp. Physics (if 1st year)	approved elective (if 1st year)	68x0 (3 or 6 CH)	68x0 (3 or 6 CH)				
6220 QM I	6230 QM II	6240 Stat. Mech.	67x0** (if 2nd year)						
and/or approved elective if 2nd year		and/or approved elective if 2nd year		and/or approved elective	and/or approved elective				
	* A minimum grade of 3.0 ('B') is required in each of these courses: PHYS 6220, 6300, and 6620 to continue in Ph.D program.			* Identify dissertation advisor, form Dissertation Committee	* A satisfactory DPP is expected within 1 year of completing required core courses.	*** Student must have a minimum of 45 CH and an approved Doctoral Candidacy Form prior to enrolling in PHYS 7300.	* Student is strongly advised to meet with committee each semestr through to the final defense.	* Student is strongly advised to meet with committee each semester through to the final defense.	* Student is strongly advised to meet with committee each semester through to the final defense.
(6-9 CH)	(6-9 CH)	(6-9 CH)	(6-9 CH)	(6 CH)	(6 CH)	(3 CH in 7300, otherwise 6 CH)	(3 CH in 7300, otherwise 6 CH)	(typically 3 CH)	(typically 3 CH)
Required Core Courses: PHYS 6100, 6150, 6200, 6220, 6230, 6240, 6300, 6620, 6630		** Must take at least <u>one</u> of the specialty courses : PHYS 6700, 6710, 6720, as offered by student demand. Successful completion of PHYS 6220 (QM I) is expected prior to registration in PHYS 67x0, otherwise ASAP.		DPP = Dissertation Proposal Presentation The DPP is given in front of an <i>approved</i> dissertation committee.		Student is fully engaged in Doctoral and/or Dissertation Research		Students should plan to graduate prior to or by the end of year <u>six</u> (6).	

Summer I and/or II	Summer I and/or II	Summer I and/or II	***Request permission to under-enroll. <u>15</u> CH of PHYS 7300 must be completed. Student must be enrolled in the semester or term of graduation.
course: PHYS 6010 (Introduction to Current Physics Research), or course approved by graduate programs advisor.	course: PHYS 6800, 6810, 6820 (as appropriate), or PHYS 6010 if dissertation advisor not yet identified, or course approved by graduate programs advisor. Identify dissertation advisor , begin scoping out research program, identify committee members.	course: PHYS 6800, 6810, 6820 (as appropriate), or course approved by graduate programs advisor, or possibly PHYS 7300 if requirements have been met.	

Notes: (1) Required course work = 27 CH; an additional 18 CH must be taken to reach the *minimum* of 45 CH for Doctoral Candidacy Status. (2) All elective courses must be approved by the graduate programs advisor prior to registration. A maximum of 4 CH of PHYS 5980 may be counted in the program of study. (3) Initial registration in PHYS 68x0 requires successful completion of required core courses, identification of the dissertation advisor, and involves preparation for DPP. (4) Student should plan to minimize excess credits in PHYS 7300 beyond the required 15 CH. (5) Students need not be registered during summer, unless they hold a TA appointment.