

5 year BS/MS Accelerated Physics Program

Requirements and other important information.

Overall GPA 3.300 or better

You must maintain a Physics GPA 3.500 or better in **core** physics classes

Must apply one semester before your first semester of your senior year

April 1st is the deadline for fall enrollment

November 1st is the deadline for spring enrollment (Prior approval needed)

You must complete the Graduate School accelerated program application online application and include

Statement of purpose

Two letters of recommendation

Your VT Transcript

Determine whether or not you will be doing the thesis option or a non thesis option

You will be assigned a faculty advisor

Upon successfully completing your senior year while maintaining a 3.5 GPA in your physics **core** classes you will be added to the list of graduate offers for admissions and be considered for an assistantship. **IF** you are successful in getting an assistantship the following rules will apply. An assistantship is **not** guaranteed .

Assistantship Eligibility Requirements

Must be enrolled in 12-18 credit hours

Maintain a 3.0 GPA to hold assistantships; departmental requirements may be higher.

Make satisfactory progress toward degree as defined by academic departments and the Graduate School

You will be held to the same standards as any other graduate student

A full assistantship requires a student to work for 20 hours per week on average. Students may or may not be required to report to work during school breaks. Departments may also offer partial assistantships.

Senior 1st Semester

PHYS	4000/5000+	Elective	3	
PHYS	4315	Modern Experimental Physics	2	
PHYS	4456	Intro to Quantum Mech	3	
PHYS	5714	Method of Theoretical Physics	3	
		Area 3 - Society and Human Behavior	3	
			14	

2nd Semester

PHYS	4000/5000+	Elective	3	
PHYS	4316	Modern Experimental Physics	2	
PHYS	5455	Quantum Mechanics	3	
		Area 6 - Creative and Aesthetic	3	
		Area 7 - Critical Issues	3	
			14	

Grad

1st Semester

PHYS	5354	Classical Mechanics	3	
PHYS	5405	Classical Electromagnetism	3	
PHYS	5456	Quantum Mechanics	3	
PHYS	5994	Research and/or 5000 Elective	3	
			12	

2nd Semester

PHYS	5000+	Elective	3	
PHYS	5406	Classical Electromagnetism	3	
PHYS	5705	Statistical Mechanics	3	
PHYS	5994	Research and/or 5000 Elective	3	
			12	