

Student Planner

Major Requirements for a Bachelor of Science in Physics

Requirements listed are those in the 2018-2019 catalog. The required courses for the major should be taken for a letter grade. All courses are required unless otherwise indicated.

Preparatory Subject Matter 49-55 Units

Course	No	Units	Qtr	Grade	GP
PHY	9A	5	F,S		
	9B	5	F,W		
	9C	5	W,S		
	9D	4	F,S		
	or				
PHY	9HA	5	F		
	9HB	5	W		
	9HC	5	S		
	9HD	5	F		
	9HE	5	W		
	and				
MAT	21A	4	F,W,S		
	21B	4	F,W,S		
	21C	4	F,W,S		
	21D	4	F,W,S		
	22A	3	F,W,S		
	22B	3	F,W,S		
PHY	40	4	S		
	80	4	W,S		
	185*	1	S		
	190*	1	F		

Core Subject Matter 36 Units

Course	No	Units	Qtr	Grade	GP
PHY	104A	4	F		
	105A	4	F		
	105B	4	W		
	110A	4	W		
	110B	4	S		
	110C	4	F		
	112	4	F		
	115A	4	S		
	115B	4	F		

1 - 4 Units

Course	No	Units	Qtr	Grade	GP
PHY	102	1	F		
	or				
	104B	4	W		

PHY 80 will be a pre-requisite for PHY 122A/B starting W2020

Course offered in alternate years

*Recommended Courses

Core Subject Matter 4-12 Units

Course	No	Units	Qtr	Grade	GP
PHY	122A or B	4	W		
	or				
	116A	4	F		
	116B	4	W		
	116C	4	S		

Advanced Electives 12 Units

Choose 2 courses from one speciality and 1 course from a different speciality.

Relativity/Astrophysical Applications

Course	No	Units	Qtr	Grade	GP
PHY	154	4	S#		
	155	4	W		

Condensed Matter

Course	No	Units	Qtr	Grade	GP
PHY	140A	4	W		
	140B	4	S		

Nuclear/Particle Physics

Course	No	Units	Qtr	Grade	GP
PHY	129A	4	S		
	130A	4	W		
	130B	4	S		

Additional Electives %

Additional upper division physics courses, excluding 137 and 160, for a total of 15 upper division courses in Physics of 3 units or more.

Course	No	Units	Qtr	Grade	GP

% With Prior Dept. Approval, one course from mathematics, engineering, or natural sciences may be used to meet this requirement.

May include only one course from 194H, 198, 199.

Major GPA

Overall	
Upper Div	

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Sample plan for Junior and Senior Year

Underlined courses are required. Must take at least three of the dashed underlined courses, two of which must be in the same field of Physics (Relativity/Astro, Condensed Matter, Nuclear/Particle) and a third in a different field.

	Fall	Winter	Spring
Junior	<u>104A (4)</u>	<u>105B (4)</u>	<u>080 (4)</u>
	<u>105A (4)</u>	<u>110A (4)</u>	<u>110B (4)</u>
	102 (1)	104B (4)	<u>115A (4)</u>
	116A (4)	116B (4)	104C (4)
	151# (4)	153# (4)	116C (4)
			108 (3)
			108L (1)
			<u>154# (4)</u>
			<u> </u>
Senior	<u>110C (4)</u>	<u>122A or 122B (4)</u>	<u>155# (4)</u>
	<u>115B (4)</u>	<u>130A (4)</u>	<u>129A (4)</u>
	<u>112 (4)</u>	<u>140A (4)</u>	<u>130B (4)</u>
	152# (4)	<u>156# (4)</u>	<u>140B (4)</u>
			<u> </u>

Core, Advanced and Addtl. Electives Total _____

Course offered in alternate years

61 Total Units

Course Substitution/ Waiver requests should be submitted well in advance, preferably prior to enrollment in the course.

1. Student must first speak with a faculty advisor.
2. Faculty advisor submits course substitution/waiver request to the Undergraduate Curriculum Committee for approval.

Advisor please Initial & date substitution/waiver requests and submit to the Chair of the Undergraduate Curriculum Committee.

Approval: _____ (Required for delcaration of major & any subsequent substitutions)
 Physics Advisor Date

Approval: _____ (Required only if there are substitutions.)
 Departmental Approval Date

Completed for:
 Student Name: _____
 Student ID#: _____
 Date: _____