

**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		
	<b>or</b>				
PHY	9HA	5	F		
	9HB	5	W		
	9HC	5	S		
	9HD	5	F		
	9HE	5	W		
	<b>and</b>				
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		
	<b>or</b>				
	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		
	<b>or</b>				
	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**

<b>Overall</b>	
<b>Upper Div</b>	

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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.

	<b>Fall</b>	<b>Winter</b>	<b>Spring</b>
<b>Junior</b>	<u>104A (4)</u>	<u>105B (4)</u>	<u>110B (4)</u>
	<u>105A (4)</u>	<u>110A (4)</u>	<u>115A (4)</u>
	102 (1)	104B (4)	104C (4)
	116A (4)	116B (4)	116C (4)
	151# (4)	153# (4)	108 (3)
			108L (1)
			<u>154# (4)</u>
			<u>        </u>
<b>Senior</b>	<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

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Completed for:  
 Student Name: \_\_\_\_\_  
 Student ID#: \_\_\_\_\_  
 Date: \_\_\_\_\_