

**Major Requirements for a B.S in Applied Physics
with a concentration in
Physical Electronics**

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

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		
	22AL	1	F,W,S		
	22B	3	F,W,S		
PHY	40	4	S		
	80	4	W,S		
ENG	17	4	F,S		

Core Subject Matter

Course	No	Units	Qtr	Grade	GP
PHY	102	1	F		
	104A	4	F		
	105A	4	F		
	110A	4	W		
	110B	4	S		
	112	4	F		
	115A	4	S		

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

Laboratory Requirement

Course	No	Units	Qtr	Grade	GP
PHY	122A/B	4	W		

Concentration Courses

Course	No	Units	Qtr	Grade	GP
PHY	110C	4	F		
	140A	4	W		
EEC	100	5	F,W		

Additional Concentration Electives

Choose 4 courses from the following electives.

Course	No	Units	Qtr	Grade	GP
EEC	110A	4	W,S		
	110B	4	S		
	140A	4	F,W		
	140B	4	S		
	150A	4	W		
	150B	4	F		

Recommended courses

Also the other 2 EEC courses from above.

Course	No	Units	Qtr	Grade	GP
PHY	115B*	4	F		
	140B*	4	S		

Substitutions: PHY116AB may be substituted for Engineering 17 and EEC 100. In addition, PHY116ABC may be substituted for PHY122.

Major GPA

Overall	<input type="text"/>
Upper Div	<input type="text"/>

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Suggested Schedule

The core major courses as well as the minimum requirement concentration courses are underlined below.

		Winter	Spring
	Fall		
Junior	<u>PHY102 (4)</u>	<u>PHY122 (4)</u>	<u>PHY110B (4)</u>
	<u>PHY104A (4)</u>	<u>PHY110A (4)</u>	<u>PHY115A (4)</u>
	<u>PHY105A (4)</u>	<u>EEC140A (4)</u>	<u>EEC150A(4)</u>
	<u>EEC100 (5)</u>		
Senior		<u>PHY140A (4)</u>	<u>PHY140B (4)</u>
	<u>PHY110C (4)</u>	<u>EEC110A (4)</u>	Grad EEC Class#
	<u>PHY112 (4)</u>	Grad EEC Class#	Grad EEC Class#
	<u>EEC150B (4)</u>		
	<u>PHY115B (4)</u>		

Core, Concentration and Addtl. Electives T 54 Total Units

The graduate classes are only available to students who are admitted into the Integrated Degree Program of the Department fo Electrical and Computer Engineering.

Recommended : *Partipcate in EEC research to get introduced to possible thesis subjects.*

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: _____	Date	(Required for delcaration of major & any subsequent substitutions)
Physics Advisor		
Approval: _____	Date	(Required only if there are substitutions.)
Departmental Approval		