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

Requirements listed are those in the 2010-2012 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		
ECS	30	4	F,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		

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	
Upper Div	

**Recommended Course*

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Suggested Schedule

The core major courses as well as the minimum requirement concentration courses are underlined below. Possible electives are double underlined and recommended courses are in italics.

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

Core, Concentration and Addtl. Electives Total_____
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:_____ _____ (Required for delcaration of major &
Physics Advisor Date any subsequent substitutions)

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