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

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		
	22B	3	F,W,S		
ECS	30	4	F,W,S		
CHE	2A	5	F,W		
	2B*	5	W,S		
	2C*	5	F,S		
GEL	50*	3	F,W		
	50L*	2	F,W		

Core Subject Matter

Course	No	Units	Qtr	Grade	GP
PHY	104A	4	F		
	105A	4	F		
	110A	4	W		
	110B	4	S		
	112	4	F		
	115A	4	S		
	116A	4	F		
	116B	4	W		

Laboratory Requirement

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

Concentration Courses

Course	No	Units	Qtr	Grade	GP
PHY	104B	4	W		
GEL	161	3	F#		
	162	3	W#		

Additional Electives

Choose 3 courses in consultation with the major advisor

Course	No	Units	Qtr	Grade	GP
PHY	105B	4	W		
	116C	4	S		
	151	4	F#		
GEL	146	3	F#		
	163	3	S		
ATM	120	4	F		
	121A	4	W		
	121B	4	S		

 # Course not offered every year
**Recommended Course*

	Major GPA
Overall	
Upper Div	

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Suggested Schedule

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

	Fall	**Winter**	**Spring**
Junior	PHY104A (4)	PHY104B (4)	PHY110B (4)
	PHY105A (4)	PHY110A (4)	PHY115A (4)
	GEL161 (4)#	GEL162 (3)#	*GEL163 (3)*
		PHY105B (4)	
Senior	PHY112 (4)	PHY116B (4)	*PHY116C (4)*
	PHY116A (4)	PHY122 (4)	*ATM121B (4)*
	ATM120 (4)	*ATM121A (4)*	
	PHY151 (4)#	*GEL146 (3)#*	

Core, Concentration and Addtl. Electives Total_____
56-58 Total Units

 # Course not offered every year.

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.)

Applied Physics Advisor For
Geophysics Concentration: P. Boeshaar (boeshaar@physics.ucdavis.edu)