

DHASICS MY IO	FORM	

## **INSTRUCTIONS**

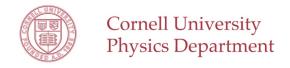
- Fill out this form (front AND back) before meeting with the DUS; the form is PDF fillable
- Entry to the major typically requires completion of at least 2 physics & 2 math classes at Cornell with a B- average or higher

Date

- If declaring the physics major, consider your potential advisor. The list of available advisors is: <a href="http://bit.ly/2th442Q">http://bit.ly/2th442Q</a>
- Bring the form when meeting with the Physics DUS, Professor Kyle Shen. Meet by dropping in during regular DUS office hours (Mondays 2:00-4:00 PM in Clark 532A)
- After your new major advisor is assigned, complete the Physics Major Course Plan (reverse side) with your new advisor.
- After meeting with your new advisor, return this sheet to Sue Sullivan in 117 Clark Hall

### **BIOGRAPHICAL INFORMATION**

Last name	First name		Middle initial Ge	ende
NetID	Student ID #	Graduation Year	Citizenship	
Major Concentration	D	ouble Major?		
Ithaca Address			Phone	
Permanent Address			Phone	
<b>CHANGES TO STAT</b>	US			
☐ Adding Physics Major	☐ Dropping Physics Major	☐ Changing Advisor	☐ Changing Concentra	atio
☐ Need key access to the	e SPS Lounge?	☐ Need t	o be added to SPS Listse	rve
the Cornell student ID ar	najors photo board outside the rand labeled with your first and last to use my picture on the photo be	st name. By signing below		
Signature	Date	Printed Na	nme	
FOR DUS USE ONL	Y			
New advisor	Previou	us advisor (if changing advisor	and/or major)	_
New major (if dropping major)				_
DUS Approval for all above ch	anges to status	Da	ate	



Name	Date

# PHYSICS MAJOR COURSE PLAN

### **CORE REQUIREMENTS**

- Enter the grade for any Cornell class taken & the corresponding semester; for AP / placement credit, indicate "AP"
- For core requirements not yet taken, indicate the semester in which you intend to take those classes
- Courses in **bold** are honors level or more mathematically sophisticated options.
- Circle the math classes you have taken.

Sequence	Description			Fr. Fall	Fr. Spr.	Soph. Fall	Soph. Spr.	Jr. Fall	Jr. Spr.	Sr. Fall	Sr. Spr.
Sequence relativity; 11		(1116 has special 12 thermal phys.)	1112* <b>1116</b>								
		y & Magnetism	2213 <b>2217</b>								
2207 & 2208 allowed only if started as bio	Waves (2218 also cover		2214 <b>2218</b>								
major *Special Re		lativity (1 unit S/U)	2216								
Quantum	Quant	um Physics I	3316								
Physics	Quantum Pl	nysics II (Fall only)	3317								
Mechanics & Electricity and Electricity		I (Spring only; take 314 OR 3318)	3314 <b>3318</b>								
	Electromagnetism II (Fall only; take either 3323 OR 3327)		3323 <b>3327</b>								
Lab Class	e.g. 3310, 3330, 3360, 4410,										
Calculus II (integral calculus) 1120, 1910, 1220											
Multivariable Cald	culus	1920, 2220, 2130,	2240*								
<b>Differential Equat</b>	ions	2930, 3230									
Linear Algebra			2230*								

#### CONCENTRATION: I INSIDE CONCENTRATION OR I OUTSIDE CONCENTRATION

- Select either the "Inside Concentration" OR an "Outside Concentration" you cannot do both
- If you already know your concentration and/or the classes you intend to take for your concentration, please fill them in. Otherwise, wait until your meeting with the DUS and major advisor to fill out your concentration & related classes.
- Inside Concentration: PHYS 4410 (Advanced Experimental Physics), 11 additional credits of 3000<sup>+</sup> level physics courses, and TWO additional 3000<sup>+</sup> level math classes (or AEP 4210 & 4220), all beyond the core. Recommended classes include PHYS 3341 / AEP 4230 (Statistical Physics & Thermodynamics) and PHYS 4443 (Intermediate Quantum).
- <u>Outside Concentration</u>: 15 credits in an *internally coherent concentration* outside of physics which is agreed upon by your major advisor; 8 credits of which must be for 3000<sup>+</sup> level classes. Some examples of outside concentrations include: astronomy, mathematics, computer science, philosophy, science writing, biology, chemistry, electrical engineering, political science. Classes can come from multiple departments.

**Physics Major Concentration** 

Name of Class	Course #	Fr. Fall	Fr. Spr.	Soph. Fall	Soph. Spr.	Jr. Fall	Jr. Spr.	Sr. Fall	Sr. Spr

Name Da	ate
	Name Da