

BA in Physics Suggested Schedule

<u>Fall</u>		<u>Spring</u>		<u>Fall</u>		<u>Spring</u>		<u>Fall</u>		<u>Spring</u>					
Physics I (PHYS 2210/5-Q1) 6 cr.	Physics II (PHYS 2230/5-Q1) 6 cr.	Physics III (PHYS 3010) 6 cr.	Math Meth. (PHYS 3345-Q1) 4 cr.	E&M / QM (PHYS 3370/90-Q2) 4 cr.	Class Mech. (PHYS 3220-Q2) 4 cr.	QM / E&M (PHYS 3390/70-Q2) 4 cr.	Opt / Therm (PHYS 3380-Q2/40-W2) 4 cr.	Calc I (MATH 2215-Q1) 5 cr.	Calc II (MATH 2216-Q1) 5 cr.	Calc III (MATH 2217-Q1) 5 cr.	Electronics (PHYS 3110-W2&Q2) 4 cr.	Cognate (@@@ #) # 4 cr.	Therm / Opt (PHYS 3380-Q2/40-W2) 4 cr.	Cognate (@@@ #) # 4 cr.	Cognate (@@@ #) # 4 cr.
ASD/G A, H, I, R, and/or V 4 cr.	ASD/G A, H, I, R, and/or V 4 cr.	ASD/G A, H, I, R, and/or V 4 cr.	Cognate (@@@ #) # 4 cr.	ASD/G A, H, I, R, and/or V 4 cr.	Cognate (@@@ #) # 4 cr.	ASD/G A, H, I, R, and/or V 4 cr.	ASD/G A, H, I, R, and/or V 4 cr.	FRST/G Seminar or W1 4 cr.	G/FRST A, H, I, R, and/or V 4 cr.	ASD/G A, H, I, R, and/or V 4 cr.	ASD/G A, H, I, R, and/or V 4 cr.	ASD/G A, H, I, R, and/or V 4 cr.	ASD/G A, H, I, R, and/or V 4 cr.	ASD/G A, H, I, R, and/or V 4 cr.	ASD/G A, H, I, R, and/or V 4 cr.
Colloquium and Research Methods - (PHYS 2600 and PHYS 4620) - Need 4 semesters of each												Should be working on your Senior Project. See Note below.			
15(19) Cr.		15(19) Cr.		17 Cr.		16 Cr.		16 Cr.		16 Cr.		16 Cr.		16 Cr.	

Notes:

- All Q's covered in degree courses.
- The ASD/G courses in the First Year (Dotted outlines) are optional.
- You need one course of PHYS 4800 or PHYS 4900 by the time your graduate. Suggestion: Get this done Fall of your 4th year.
 - Interested students should look into applying for the Washington Internship Program and/or International Internships.

Must complete ONE of the following courses:

PHYS 3110 Electronics ; PHYS 3340 Optics ; PHYS 3370 E&M
 PHYS 3390 Intro. QM ; PHYS 3380 Thermal Physics
 (See **blue outlined boxes** for these choice locations.)

After completing your one (1) course from the options above, the remaining **blue outlined boxes become ASD/G-course boxes.**

BA in Physics Course Schedule

Fall (Even)

PHYS 2300: Statics (Q2)

PHYS 3350: Mathematical Physics (Q1)
(Not offered past few years)

PHYS 2600: Colloquium
PHYS 4620: Research Methods

Fall (Odd)

PHYS 2300: Statics (Q2)

PHYS 3120: Electrical Circuits (Q2)

PHYS 2600: Colloquium
PHYS 4620: Research Methods

Spring (Even)

PHYS 3240: Modeling and Simulation in
Physics (Q2)

PHYS 2300: Problem Solving Using
Matlab (Q2)

PHYS 2600: Colloquium
PHYS 4620: Research Methods

Spring (Odd)

PHYS 3030: Biomedical Physics (IMBN)

PHYS 3200: Mechanics of Materials (Q2)

PHYS 2300: Problem Solving Using
Matlab (Q2)

PHYS 2600: Colloquium
PHYS 4620: Research Methods

5 Cognates

- **2 Cognates** must be of 2000 or above
- **3 Cognates** must be of 3000 or above, and *2 must be from the following list:*
 - Any of the following not already taken as a non-Cognate course
 - PHYS 3110 Electronics
 - PHYS 3340 Optics
 - PHYS 3370 E&M
 - PHYS 3390 Intro. QM
 - PHYS 3380 Thermal Physics
 - PHYS 3030 Biomedical Physics
 - PHYS 3120 Electrical Circuits
 - PHYS 3240 Modeling and Simulation in Physics
 - PHYS 3350 Mathematical Physics

Check List

G-course	Complete?
GAH	
GAH	
GEN	
GIS	
GNM	
GNM	
GSS	
GSS	

Writing	Complete?
W1 (1st Yr)	
W1/W2	
W1/W2	
W1/W2 (min 3000)	

Quant.	Complete?
Q1 (1st Yr)	
Q1/Q2	
Q2	

At-some-distance	32 Credits Complete?
ASD	
ASD	
ASD	
ASD	
ASD	
ASD	
ASD	
ASD	

Attributes	Complete?
A	
H	
I	
R1	
R2	
V	