

BS in Physics Suggested Schedule

Fall		Spring		Fall		Spring		Fall		Spring	
Physics I PHYS 2220/5 (6 cr.)	Physics II PHYS 2230/5 (6 cr.)	Physics III PHYS 3010 (4 cr.)	Math Meth. PHYS 3345 (4 cr.)	Class Mech PHYS 3220 (4 cr.)	QM / E&M PHYS 3390 (4 cr.) / PHYS 3370 (4 cr.)	ASD / Therm One Attribute (4 cr.) / PHYS 3380 (4 cr.)	E&M / QM PHYS 3370 (4 cr.) / PHYS 3390 (4 cr.)				
Calc I MATH 2215 (5 cr.)	Calc II MATH 2216 (5 cr.)	Calc III MATH 2217 (5 cr.)	Electronics / Optics PHYS 3110 (4 cr.) W2 / PHYS 3340 (4 cr.) W2	Therm / ASD PHYS 3380 (4 cr.) / One Attribute (4 cr.)	Optics / Electronics PHYS 3340 (4 cr.) W2 / PHYS 3110 (4 cr.) W2	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.)	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.)				
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.)						
15(19) Cr.		15(19) Cr.		17 Cr.		16 Cr.		16 Cr.		16 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.	

Notes:

- All Q's covered in degree courses
- One W1 is required in First-Year coursework and 2 W2's are completed within degree coursework. Need 1 extra W1/2 as part of G-course work.
- Senior Project: You need either PHYS 4800 or PHYS 4900 by the time you graduate. Suggestion: Get this done Fall of your 4th year.

BS in Physics Course Schedule

Fall (Even)

PHYS 3350: Mathematical Physics

PHYS 2300: Statics

PHYS 2600: Colloquium

PHYS 4620: Research Methods

Fall (Odd)

PHYS 3120: Electrical Circuits

PHYS 2300: Statics

PHYS 2600: Colloquium

PHYS 4620: Research Methods

Spring (Even)

PHYS 3030: Biomedical Physics (IMBN)

PHYS 3200: Mechanics of Materials

PHYS 2410: Prob. Solving Using Matlab

PHYS 2600: Colloquium

PHYS 4620: Research Methods

Spring (Odd)

PHYS 3240: Mod. and Sim. in Physics

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 PHYS list*:
 - PHYS 3030 Biomedical Physics
 - PHYS 3120 Electrical Circuits
 - PHYS 3240 Modeling and Simulation in Physics
 - PHYS 3350 Mathematical Physics

Possible Outside of PHYS Suggestions:

MATH 3328: Differential Equations (All Semesters)

MATH 4432: Complex Analysis (Spring)

MATH 4451: Probability and Statistics I (Fall)

MATH 4461: Numerical Analysis (Fall)

MATH 4452: Probability and Statistics II (Spring)

MATH 4491: Partial Differential Equations (Spring-Even)

Check List

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

At-some-distance*	Complete?	Course
ASD		
ASD		
ASD		
ASD		

***Must be 16 credits total.**

Attributes	Complete?	Course
A		
H		
I		
V		
R1		
R2		

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

Quant.	Complete?	Course
Q1 (1st Yr)		Calc I
Q1/Q2		Calc II
Q2		Physics I