

# B.A. in Physics

## Sample Program Outline/Advising Guide

Fall		Spring	
<b>FIRST YEAR</b>			
PHYS 120: Physics First Year Experience	1	PHYS 125: Analytical Physics II	3
PHYS 123: Analytical Physics I (NLEC)	3	PHYS 126: Analytical Physics II Laboratory	1
PHYS 124: Analytical Physics I Lab (NLAB)	1	MATH 222: Calculus II	4
MATH 221: Calculus I (REAS)	4	World Language 102 (LANG)	4
WRTG 105: Writing Seminar: (subtitle)	4	Global Society (CAI)	3
World Language 101 (LANG)	4		
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>15</b>
<b>SECOND YEAR</b>			
PHYS 223: Analytical Physics III	3	PHYS 224: Analytical Physics IV	3
PHYS 226: Optics & Modern Phys Lab	1	PHYS 228: Math Methods in Physics	2
PHYS 261: Programming in Physics	3	MATH 326: Differential Equations	3
MATH 223: Calculus III	4	Global Society (CGC)	3
Global Society (SST)	3	Global Society (WCV)	4
Global Society (DPP)	3		
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>15</b>
<b>THIRD YEAR</b>			
PHYS 352: Quantum Mechanics I	3	PHYS 341: Seminar in Physics	1
PHYS 362: Intermediate Laboratory	3	PHYS 463 or 472 or 484	2
PHYS 311 OR 335 OR 3XX Elective	3	PHYS 344 OR 300-level Elective	3
N/Lab Science I	4	Lab Science II	4
Elective	2	Elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>13</b>
<b>FOURTH YEAR</b>			
PHYS 3XX Elective	3	PHYS 3XX Elective	3
Integrative and Applied Learning	3	Electives	10
Electives	9		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>13</b>

Total Credits = **120**  
Gen Ed Subtotal = **36**

### Special Instructions:

Students may not receive degree credit for both PHYS 313 (Applied) and PHYS 332 (ECA)

Directed Study cannot count for the elective credits in physics.

Students may count only one of the following towards the major: PHYS 463 or 472 or 484

### General Education Requirements

#### 1. Communication and Scientific Literacy (CSL)

- INTD 105, Lang, Quant, and Nat Sci with Lab

#### 2. Participation in Global Society (PGS)

- DPP, WCIV, CGC, CAI, and SST

### Rules:

At least 4 unique courses for PGS

No more than one course used twice in PGS

Only one course from your major may be used for PGS

Courses used to satisfy CSL cannot double dip for PGS