

California State Polytechnic University, Pomona

**PHYSICS B.S. DEGREE CURRICULUM: MODEL FLOW SHEET\***

Four Year Plan

	FALL		WINTER		SPRING	
<b>F</b>	MAT 114 <sup>2</sup>	4	MAT 115	4	MAT 116	4
<b>R</b>	ENG 104	4	PHY 131+131L	4	PHY 132 + 132L	4
<b>E</b>	CHM 121 <sup>2</sup> + 121L <sup>2</sup>	<u>4</u>	CHM 122+ 122L	4	CHM 123 + 123L	4
<b>S</b>		12	GE Area A2	<u>4</u>	GE Area A3	<u>4</u>
<b>H</b>				16		16
<b>S</b>	MAT 214	3	MAT 215	3	MAT 216	4
<b>O</b>	PHY 133 + 133L	4	<u>PHY 234 + 234L</u>	4	<u>PHY 235 + 235L</u>	4
<b>P</b>	BIO 110 <sup>2</sup> + 110L <sup>2</sup>	4	G.E. Area D1	4	G.E. Area D1	4
<b>H</b>	G.E. Area C1	<u>4</u>	G.E. Area C2	<u>4</u>	G.E. Area C3	<u>4</u>
		15		15		16
<b>J</b>	<u>PHY 308</u>	4	<u>PHY 309</u>	4	<u>PHY 315</u>	4
<b>U</b>	<u>PHY 333</u>	4	<u>PHY 314</u>	4	<u>PHY 322</u>	4
<b>N</b>	G.E. Area C4	4	<u>PHY 321</u>	4	G.E. Area D3	4
<b>I</b>	CS 128 or 125	<u>4</u>	G.E. Area D2	<u>4</u>	Unr. Elective <sup>4</sup>	<u>1</u>
<b>O</b>		16		16		13
<b>R</b>						
<b>S</b>	<u>PHY 401</u>	4	<u>PHY 402</u>	4	<u>PHY 417 + 417L</u>	4
<b>E</b>	PHY 461	2	PHY 462	2	<u>PHY 463</u>	2
<b>N</b>	PHY 430L & 432L	2	PHY 431L	1	G. E. Area B4	4
<b>I</b>	G.E. Area D4	4	G. E. Area E	4	Adv. Elective <sup>5</sup>	<u>4</u>
<b>O</b>	Adv. Elective <sup>5</sup>	<u>4</u>	Adv. Elective <sup>5</sup>	<u>4</u>		14
<b>R</b>		16		15		

<b>Summary:</b>	Required Physics Courses	69	
	Required Support Courses	42	(includes 12 units of advanced electives)
	G. E. Requirements	68	
	Unrestricted Electives	<u>1</u>	
	<b>Total</b>	180	quarter units

Underlined courses are taught once annually, in the quarter shown.

**Footnotes:**

- G. E. denotes General Education course; letter + number denotes area and section. Area designations are:  
A. Communication and Critical Thinking; B. Math and Natural Sciences; C. Humanities;  
D. Social Sciences; E. Lifelong Understanding and Self-Development. See Catalog for details.
- Satisfies G. E. Area **B** requirement (see Area designations in 1 above). Total credit from Area B1, B2, B3, B4 must be  $\geq 16$  units. Note: BIO 115 (3 units) plus BIO 115L (2) can be used in place of BIO 110 + 110L .
- G.E. Area B4 course must be an approved upper-division course in math or science.
- Unr. Elective = Unrestricted Elective
- Adv. Elective = Advanced Elective (approved upper-division course; at least 4 units of these courses must be in physics).

**Subject to prerequisites, G.E. courses may be taken in interchanged order.**