General Education Requirements and Degree Information: BACHELOR OF SCIENCE IN PHYSICS

<u>ID:</u>			<u>Update:</u>		
Name:			Advisor:		
Major: Physics			Catalog: 2016-2017		
			Anticipated Degree Completion:	<u> </u>	
Course	Grade	Credit	Course	Grade	Credit
FY/Adv. Entry Seminar:	3.443	0.00	Natural Sciences:	0.000	0.00
05-014/214			Exp. Lab:	B.S. 0	CORF
00 01 1/211	L L		MAT or CSC:	B.S. 0	
Foreign Language (4 sem.)			W (1 01 00 0.	B.0. 0	30112
I.			Social Sciences: 2 courses, must be diff	i. depts:	
II.					
III.					
IV.					
	<u> </u>		Fine Arts Lecture:		
Social Justice Course:					
	<u> </u>		Fine Arts Performance:		
Intercultural Perspective Course:					
			B.S. Core:		
2 different FRAs:			BIO 50-123, 50-121		
			BIO 50-133, 50-131		
			CHE51-153/151		
			CHE51-163/161		
B.S. students need take only 7 of the 8 highlighted requirements			MAT 52-154		
Humanities: 2 courses, may be same dept.:			MAT 52-254		
			PHYS 53-154	MAJ	JOR
			PHYS 53-164	MA.	IOR

A "C" average on all work attempted is required for graduation. No grade below "C-" may be counted toward the major or minor. At least 127 credits are required to earn a degree at Southwestem; of these, 64 credits must be completed in residence, including the last 32 credits. No more than 56 credit hours may be counted in one subject area. A major requires at least 30 credits, more than 50% upper-level, and a minor (optional) requires at least 18 credits (at least 12 upper-level). With the exception of FRAs and the FY/AES seminar, all gen.ed. requirements require a minimum of 3 credits, including Fine Arts Performance.

PHYSICS MAJOR (BS)

Major Courses:	Grade	Credit	Electives:	Grade	Credit
PHY53-154 Fundamentals of Physics I					
PHY53-164 Fundamentals of Physics II					
PHY53-214 Modern Physics					
PHY53-324 Electromagnetism I					
PHY53-334 Classical Mechanics I					
PHY53-423 Quantum Physics or CHE51-724 Phys	sical Chemistry	/			
PHY53-872 Capstone Course					
3 courses from:					
PHY53-404 Electronics					
PHY53-413 Classical Mechanics II					
PHY53-433 Electromagnetism II					
PHY53-434 Statics			Paideia:		
PHY53-443 Thermodynamics			Cluster:		
PHY53-454 Math Methods in Physical Science				Grade	Credit
			Course 1:		
Required Supporting Courses in addition to B.S. Core:			Course 2:		
MAT52-154 Calculus I	B.S.	Core	Course 3:		
MAT52-254 Calculus II	2nd Math in B.	.S. Core	Seminar:		
MAT52-354 Calculus III			Distinction:		
MAT52-754 Differential Equations I					
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^{*}Sufficient advanced mathematics for a mathematics minor is highly recommended

Total credits w/gen ed:
**Minimum of 127 credits required.