BACHELOR OF ARTS IN APPLIED PHYSICS

** NOTE: Students must complete 90 credits before leaving Southwestern.

lame:	Applied Physics - BA			Advisor:			
lajor				Catalog:	2018-19		
nor:				Ant Grad:			
	<u>Major Courses</u> 17 Courses; Minimum 30 credits required				University Electives and/or Min	ors (optional)	
hoose one	of the following:	Grade	Credit	Course	Course Title	Grade	С
HE51-103	Principles of General Chemistry						
HE51-101	Chemical Methods and Tech. Lab						
HE51-203	Chemical Kinetics and Equil.						
HE51-201	Chemical Kinetics and Equil. Lab						
AT52-154	Calculus I						
IAT52-254	Calculus II						
AT52-354	Calculus III						
AT52-754	Differential Equations						
HY53-104	Introduction to Engineering						
HY53-154	Fundamentals of Physics I						
HY53-164	Fundamentals of Physics II						
HY53-214	Elementary Modern Physics						
HY53-334	Classical Mechanics I						
HY53-434	Statics						T
HY53-872	Capstone Course						T
	re-Engineering Elective from the following:						
AT52-674	Linear Algebra						T
HY53-324	Electromagnetism I						+
HY53-404	Electronics						╁
HY53-463	Dynamics						
HY53-454	Math Methods in Physical Science	1					1
	<u> </u>						+
HY53-473	Thermodynamics Iditional pre-approved, upper level engineering cou	roos tronsfe	rrad fram				+
*Note: Stu	dents interested in this major should consult th Advisor in the Physics Department	e Pre-Engi	neering		,	•	
	<u>G</u>	ENERAL	EDUCATION	REQUIREMENT	<u>-s</u>		
		total credits	required, minimu	m 3 credits required			
	General Education Part I				Exploration & Breadth - G	E Part II	
<i>ïrst Year/Ad</i> ST05-014	v. Entry Seminar:	_		DUV n	Six total courses najor and elective courses cannot be	used to esticify E 9	D
r UST05- 14					nts. Additionally, any CHE or MAT of major cannot be used to fulfill E & I	ourse taken as part	
oreign Lang	uage (3 sem.)	•	·	Select one	course from each of the four followin	g areas:	
				Humanities:			
				Natural Scie	ences:		
ocial Justice	e Course (may double count with any requirement):						
00.0.000.00	The second of th			Social Scier	oces:		-
different FR	24s ⁻		<u> </u>	555,67 55767			
umerent i i	1710.	1		Fine Arts:		l	
				Fille Arts.			Т
				Select two a	ladditional courses from the four area	s listed above.	1
				Courses mu from above	st be from different areas and from	different subjects	
otal Earned	Credits:	0		mon above	courses.		Т
	estern Credits:	U					+
		0					1
•	credits (35-37cr): Credits (minimum of 30):	0 0		*Public Sp	eaking, College Writing and Creative		ay n
otal Gell EU	Croate (Illiminani di 30).	0			count in Exploration & Br	caulii	
raduation F	Requirements:			Notes:			
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umulative G			-				
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	r Major and/or Areas of Concentration						

All grades C- or higher in major/minor/core?	
At least 64 credits completed at Southwestern*	
Less than 56 credits of any 5 digit prefix**	
Major credits completed (min 30 required)	
60% of Major courses completed at Southwestern	
Gen Ed has minimum of 30 credits	
Minor (optional):	
Minimum 18 credits	
Minimum of 12 credits taken at Southwestern	
Minimum 2.0 minor courses CGPA	
	<u> </u>
Other:	
Degree Audit Completed (Due one year before grad date)	
Grad Application Submitted (Due start of final semester)	
Approved to be part time in last semester?	
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