BACHELOR OF ARTS

Physics Major Courses 2019-2021

9 Courses; Minimum 30 credits required; 22 credits must be from SU

Course	Course Name	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		
PHY53-444	Math Methods in Physical Science I		
PHY53-872	Capstone Course		
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Select two coi	irses from the following:		
PHY53-254	Observing the Universe		
PHY53-404	Electronics		
PHY53-413	Classical Mechanics II		
PHY53-424	Quantum Mechanics		
PHY53-433	Electromagnetism II		
PHY53-434	Statics		
PHY53-454	Math Methods in Physical Science II		
PHY53-463	Dynamics		
PHY53-473	Thermodynamics		
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Required Su	pporting Courses:		
Take one of th			
	Calculus I		
	Applied Multivariable Calculus I		
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Take one of th	ne following:		
	Calculus II		
	Applied Multivariable Calculus II		

^{*}One Math course from Required Supporting courses may be used in the E&B.

General Education Requirements

At least 30 total credits required; minimum 3 credits per requirement.

General Education - Part I	General Education - Part II: Exploration & Breadth (6 total courses)
Take one of the following first semester seminars:	PHY53-XXX courses cannot be used to satisfy Exploration & Breadth requirements.
UST05-014 First Year Seminar	
UST05-214 Advanced Entry Seminar	Select one course from each of the four following areas:
	Humanities:
Foreign Language (three semesters of the same language)	
	Natural Sciences:
	Social Sciences:
	Social Sciences.
Social Justice Course (may double count with any requirement):	Fine Arts:
Social Justice Course (may double count with any requirement).	r ine Aris.
	Select one additional course from TWO of the four areas: Humanities, Natural Science, Social Science and Fine Arts. Neither course may come from the department (3 digit
	prefix) used above. EX: If you took PSY33-104 Principles of Psychology as a social
Two Fitness/Recreational Activity courses (must be different topics):	science, you may not select another PSY33-XXX course to apply in this section.
	*Public Speaking, College Writing and Creative Writing courses may not count in E&B.
<u>Universi</u>	ity Graduation Requirements:
Minimum of 127 credits:	Minor (optional):
Cumulative GPA > 2.0	Minimum 18 credits
GPA > 2.0 for Major and/or Areas of Concentration	Minimum of 12 credits taken at Southwestern
All grades C- or higher in major/minor/core?	Minimum 2.0 minor courses CGPA
At least 64 credits completed at Southwestern	
No more than 56 credits of any 5 digit prefix	Other:
Major credits completed (min 30 required)	Degree Audit Completed (Due one year before grad date)
60% of Major courses completed at Southwestern (22cr)	Grad Application Submitted (Due start of final semester)
Gen Ed has minimum of 30 credits	Approved to be part time in last semester?