

Department of Teaching & Learning  
SPHY – Teaching Physics 7-12, (B.S.)  
Program of Study  
2020-2021

Total Units Required			128		
Liberal Arts Requirements			28		
College Core Curriculum (CORE)			28		
Foreign Language			4		
Expository Writing			8		
Course Number	Course Title	Units	Course Number	Course Title	Units
EXPOS-UA 1	Writing the Essay	4	MATH-UA 122	Calculus II †	4
ACE-UE 110	The Advanced College Essay	4	PHYS-UA 71	Calculus III †	4
Foundations of Contemporary Culture			PHYS-UA 72	Introductory Experimental Physics I	2
CORE-UA xxx/ST-CORE-UE*	Texts and Ideas	4	PHYS-UA 73	Introductory Experimental Physics II	2
CORE-UA xxx/ST-CORE-UE*	Cultures and Contexts	4	PHYS-UA 74	Intermediate Experimental Physics I	2
CORE-UA xxx/ST-CORE-UE*	Societies & the Social Sciences**	4	PHYS-UA 91	Intermediate Experimental Physics II	2
Quantitative Reasoning			PHYS-UA 93	Physics I †	3
MATH-UA 121	Calculus I	4	PHYS-UA 95	Physics II †	3
			PHYS-UA 106	Physics III †	3
			PHYS-UA 112	Mathematical Physics	3
			PHYS-UA 120	Advanced Experimental Physics	3
			PHYS-UA 123	Dynamics	3
			PHYS-UA 123	Quantum Mechanics	3
			PHYS-UA 140	Thermal and Statistical Physics	3
			PHYS-UA xxxx	Three Physics Electives by Advisement**	9
			Pedagogical Core		
			Common Pedagogical Core		
			34		
			Common Pedagogical Core		
			22		
			Course Number	Course Title	Units
			SOED-UE 1015 or HSED-UE 610	Education as a Social Institution or Education and the American Dream: Historical Perspectives	4
			TCHL-UE 1	Inquiries into Teaching and Learning I	4
			TCHL-UE 5	Field Observations in Schools and Other Educational Settings	0
			TCHL-UE 1030	Language Acquisition and Literacy Education in a Multilingual and Multicultural Context	4
			TCHL-UE 1999	Drug and Alcohol Education/Child Abuse Identification/School Violence Prevention/DASA: Social Responsibilities of Teachers	1
			APSY-UE 20	Human Development I	2
			APSY-UE 23	Human Development II: Early Adolescents and Adolescents	2
			SPCED-UE 1005	Teaching Students with Disabilities in General Education Classrooms	4
			EDCT-GE 2018	Integrating Media and Technology into the K-12 Curriculum	1
			Specialized Pedagogical Core		
			12		
			Course Number	Course Title	Units
			SCIED-UE 1039	Methods I: Teaching of Science in Middle School and High School	3
			SCIED-UE 1040	Teaching Science in Middle & High Schools II: Methods and Curriculum	3
			SCIED-UE 1911	Student Teaching in Science Education: Middle School	3
			SCIED-UE 1922	Student Teaching in Science Education: High School	3
			Unrestricted Elective		
			17		
			Additional Requirements		
			0		
			Course Number	Course Title	Units
			SAHS-UE 1	New Student Seminar	
			Writing Proficiency Examination		

\*Steinhardt Liberal Arts Core

\*\* Selected by Advisement

† These will count as Liberal Arts Courses

Curriculum updated December 2019

File saved January 2020