

Department of Teaching and Learning  
UESPHYBS – Teaching Physics 7-12, (B.S.)  
Program of Study  
2022-2023

2022-2023						
Total Units Required: 128						
Liberal Arts Requirements			28	Specialization Requirements		100
College Core Curriculum (CORE)			28	Content Core		49
Foreign Language			4	Course Number	Course Title	Units
Expository Writing			8	MATH-UA 122	Calculus II †	4
Course Number	Course Title		Units	MATH-UA 123	Calculus III †	4
EXPOS-UA 1	Writing the Essay		4	PHYS-UA 71	Introductory Experimental Physics I	2
ACE-UE 110	The Advanced College Essay		4	PHYS-UA 72	Introductory Experimental Physics II	2
Foundations of Contemporary Culture			12	PHYS-UA 73	Intermediate Experimental Physics I	2
CORE-UA xxx/ST- CORE- UE*	Texts and Ideas		4	PHYS-UA 74	Intermediate Experimental Physics II	2
CORE-UA xxx/ST- CORE- UE*	Cultures and Contexts		4	PHYS-UA 91	Physics I †	3
CORE-UA xxx/ST- CORE- UE*	Societies & the Social Sciences**		4	PHYS-UA 93	Physics II †	3
Quantitative Reasoning			4	PHYS-UA 95	Physics III †	3
MATH-UA 121	Calculus I		4	PHYS-UA 106	Mathematical Physics	3
Additional Requirements			0	PHYS-UA 112	Advanced Experimental Physics	3
Course Number	Course Title		Units	PHYS-UA 120	Dynamics	3
SAHS-UE 1	New Student Seminar		0	PHYS-UA 123	Quantum Mechanics	3
	Writing Proficiency Examination			PHYS-UA 140	Thermal and Statistical Physics	3
<div>*Steinhardt Liberal Arts Core</div> <div>** Selected by Advisement</div> <div>† These will count as Liberal Arts Courses</div> <div>Curriculum updated December 2019</div> <div>File saved January 2021</div>				PHYS-UA xxxx	Three Physics Electives by Advisement**	9
				Pedagogical Core		33
				Common Pedagogical Core		21
				Course Number	Course Title	Units
				SOED-UE 1015 OR HSED-UE 610 OR TCHL-UE 41	Education as a Social Institution OR Education and the American Dream: Historical Perspectives OR American Dilemmas: Race, Inequality, and the Unfulfilled Promise of Public Education	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
				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 Electives		18
				Course Number	Course Title	Units
	Open Electives**	18				

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Curriculum updated December 2019

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