

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

Total Units Required: 128						
Liberal Arts Requirements			32	Specialization Requirements		96
College Core Curriculum (CORE)			32	Content Core		46
Foreign Language			4	Course Number	Course Title	Units
Expository Writing			8	CHEM-UA 125	General Chemistry I & Laboratory †	5
Course Number	Course Title		Units	CHEM-UA 126	General Chemistry II & Laboratory †	5
EXPOS-UA 1	Writing the Essay		4	CHEM-UA 225	Organic Chemistry I & Laboratory †	5
ACE-UE 110	The Advanced College Essay		4	CHEM-UA 226	Organic Chemistry II & Laboratory	5
Foundations of Contemporary Culture			12	CHEM-UA 651	Physical Chemistry: Quantum Mechanics & Spectroscopy	4
Course Number	Course Title		Units	CHEM-UA 652	Physical Chemistry: Thermodynamics and Kinetics	4
CORE-UA xxx/ST-CORE-UE*	Texts and Ideas		4	CHEM-UA 661	Physical Chemistry Laboratory	4
CORE-UA xxx/ST-CORE-UE*	Cultures and Contexts		4	PHYS-UA 11/12	General Physics I & II	10
CORE-UA xxx/ST-CORE-UE*	Societies & the Social Sciences**		4	CHEM-UA xxxx	One Chemistry Elective by Advisement**	4
Quantitative Reasoning			8	Pedagogical Core		33
Course Number	Course Title		Units	Common Pedagogical Core		21
MATH-UA 121	Calculus I		4	Course Number	Course Title	Units
MATH-UA 122	Calculus II		4	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
Additional Requirements			0	TCHL-UE 1	Inquiries into Teaching and Learning I	4
Course Number	Course Title		Units	TCHL-UE 5	Field Observations in Schools and Other Educational Settings	0
SAHS-UE 1	New Student Seminar		0	TCHL-UE 1030	Language Acquisition and Literacy Education in a Multilingual and Multicultural Context	4
	Writing Proficiency Examination			TCHL-UE 1999	Drug and Alcohol Education/Child Abuse Identification/School Violence Prevention/DASA: Social Responsibilities of Teachers	1
<div>*Steinhardt Liberal Arts Core</div> <div>** Selected by Advisement</div> <div>† These will count as Liberal Arts Courses</div> <div>Curriculum updated January 2020</div> <div>File saved January 2021</div>				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		17
				Course Number	Course Title	Units
					Open Electives**	17

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