

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

Total Units Required			128		
Liberal Arts Requirements		32	Specialization Requirements		96
College Core Curriculum (CORE)		32	Core Content		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			
Course Number	Course Title	Units	PEDAGOGICAL CORE		34
MATH-UA 121	Calculus I	4	Common Pedagogical Core		22
MATH-UA 122	Calculus II	4	Course Number	Course Title	Units
*Steinhardt Liberal Arts Core			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
** Selected by Advisement			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
† These will count as Liberal Arts Courses			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
Curriculum updated January 2020			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
File saved January 2020			Unrestricted Electives		16
			Additional Requirements		0
			Course Number	Course Title	Units
			SAHS-UE 1	New Student Seminar	
			Writing Proficiency		