

Department of Teaching and Learning
 UEMTHEBS – Teaching Mathematics 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	32	
Foreign Language		4	Course Number	Course Title	Units
Expository Writing		8	MATH-UA 121	Calculus I	4
Course Number	Course Title	Units	MATH-UA 122	Calculus II	4
EXPOS-UA 1	Writing the Essay	4	MATH-UA 123	Calculus III	4
ACE-UE 110	The Advanced College Essay	4	MATH-UA 140	Linear Algebra	4
Foundations of Contemporary Culture		12	MTHED-GE 2101	Professionalized Subject Matter in Mathematics I: Geometry	3
Course Number	Course Title	Units	MTHED-GE 2103 OR MATH-UA 233 OR MATH-UA 235	Mathematical Modeling: Probability-based and Statistical-based Models OR Theory of Probability OR Probability and Statistics [MATH-UA courses are 4 units]	3
CORE-UA xxx/ST-CORE-UE*	Texts and Ideas	4	MATH-UA 2/3xx (or higher)	Mathematics elective* (Discrete Mathematics is Permitted)	4
CORE-UA.xxx/ST-CORE-UE*	Cultures and Contexts	4	MTHED-GE 2102 OR MATH-UA 343	Professionalized Subject Matter in Mathematics II: Modern Algebra OR Algebra [MATH-UA courses are 4 units]	3
CORE-UA xxx/ST-CORE-UE*	Societies & the Social Sciences**	4	MTHED-UE 1049	Mathematical Proof and Proving	3
Foundations of Scientific Inquiry		8	Pedagogical Core		48
Course Number	Course Title	Units	Common Pedagogical Core		21
CORE-UA xxx/ST-CORE-UE*	Physical/Life Sciences**	4	Course Number	Course Title	Units
CORE-UA xxx/ST-CORE-UE*	Physical/Life Sciences**	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	0	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		27
			Course Number	Course Title	Units
			MTHED-UE 1044	Educational Technology in Secondary School Mathematics	3
			One of the following two courses:		3
			Course Number	Course Title	Units
			MTHED-UE 1042 OR MTHED-UE 1047	Teaching of Data Collection and Analysis, Grades 7-12 OR Teaching Pre-calculus and Trigonometry in High School	3
			MTHED-UE 1043	Teaching Secondary School Mathematics	3
			MTHED-UE 1045	Teaching of Algebra and Rational Numbers, Grades 5-12	3
			MTHED-UE 1046	Teaching of Geometry, Grades 7-12	3
			MTHED-UE 1911	Student Teaching in Mathematics Education: Middle & High School I	3
			MTHED-UE 1922	Student Teaching in Mathematics Education: Middle & High School II	3
			MTHED-UE 1050	Teaching Mathematical Proof and Proving	3
			MTHED-UE XXXX/	Math Education Eletive selected by advisement**	3
			Unrestricted Electives		16
			Course Number	Course Title	Units
				Open Electives**	16

[*Steinhardt Liberal Arts Core](#)

** Selected by Advisement

Curriculum updated January 2020

File saved January 2021