



Department of Teaching & Learning
MTHE – Teaching Mathematics 7-12, (B.S.)
Program of Study
2019-2020

Total Units Required		128
Liberal Arts Requirements		43
College Core Curriculum (CORE)		32
Foreign Language		4
Expository Writing		8
EXPOS-UA 1	Writing the Essay	4
ACE-UE 110	The Advanced College Essay	4
Foundations of Contemporary Culture		12
CORE-UA xxx/ST-CORE-UE*	Texts and Ideas	4
CORE-UA.xxx/ST-CORE-UE*	Cultures and Contexts	4
CORE-UA xxx/ST-CORE-UE*	Societies & the Social Sciences**	4
Foundations of Scientific Inquiry		8
CORE-UA 3xxx	Physical/Life Sciences** OR	4
NUTR-UE 119	Nutrition and Health (3 units) + 1 unit elective**	4
CORE-UA xxx/ST-CORE-UE*	Physical/Life Sciences**	4
Unrestricted Electives		11
Specialization Requirements		84
Core Content		34
MATH-UA 121	Calculus I	4
MATH-UA 122	Calculus II	4
MATH-UA 123	Calculus III	4
MATH-UA 140	Linear Algebra	4
MTHED-GE 2101	Professionalized Subject Matter in Mathematics I: Geometry	3
MATH-UA 2xx	Probability or Prob. and Statistics course such as MATH-UA.233 - Theory of Probability*	4
MATH-UA 2/3xx (or higher)	Mathematics elective* (Discrete Mathematics is Permitted)	4
MATH-UA 343	Algebra	4
MTHED-UE 1049	Mathematical Proof and Proving	3
PEDAGOGICAL CORE		51
Common Pedagogical Core		21
SOED-UE 1015 OR	Education as a Social Institution (3 units) + 1 unit elective OR	4
HSED-UE 610	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
Specialized Pedagogical Core		30
MTHED-UE 1041	Teaching of Rational Numbers, Grades 5-12	3
MTHED-UE 1044	Educational Technology in Secondary School Mathematics	3
One of the following two courses:		
MTHED-UE 1042	Teaching of Data Collection and Analysis, Grades 7-12	3
MTHED-UE 1047	Teaching Pre-calculus and Trigonometry in High School	3
MTHED-UE 1043	Teaching Secondary School Mathematics	3
MTHED-UE 1045	Teaching of Algebra, Grades 7-12	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 1122	Professional Seminars in Secondary Mathematics Education	3
Additional Requirements		0
SAHS-UE 1	New Student Seminar	
	Writing Proficiency Examination	

** Selected by Advisement

*Steinhardt Liberal Arts Core
<http://steinhardt.nyu.edu/advisement/LAC>

last updated March 9, 2018