### Department of Teaching & Learning

**SCHM – Teaching Chemistry 7-12, (B.S.)**

**Program of Study 2014-2015**

<table>
<thead>
<tr>
<th>Total Points Required</th>
<th>128</th>
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</table>

#### Liberal Arts Requirements 40

**College Core Curriculum (CORE) 28**

- 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

**Quantitative Reasoning**

- MATH-UA.121 Calculus I 4

**Liberal Arts Elective ** 12

*Steinhardt Liberal Arts Core [http://steinhardt.nyu.edu/advisement/]/LAC

** Selected by Advisement

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**last updated December 11, 2014**

#### Specialization Requirements 88

**Core Content**

- CHEM-UA.125 General Chemistry I & Laboratory 5
- CHEM-UA.126 General Chemistry II & Laboratory 5
- CHEM-UA.225 Organic Chemistry I & Laboratory 5
- CHEM-UA.226 Organic Chemistry II & Laboratory 5
- CHEM-UA.651 Physical Chemistry: Quantum Mechanics & Spectroscopy 4
- CHEM-UA.652 Physical Chemistry: Thermodynamics and Kinetics 4
- CHEM-UA.661 Physical Chemistry Laboratory 4
- Math-UA.122 Calculus II 4
- PHYS-UA.11/12 General Physics I & II 10
- CHEM-UA.xxx One Chemistry Course** 4

**PEDAGOGICAL CORE**

**Common Pedagogical Core**

- SOED-UE.1015 or HSED-UE.610 Education as a Social Institution or Education and the American Dream: Histoical Perspectives 3
- 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
- EDCT-GE.2018 Integrating Media and Technology into the K-12 Curriculum 1

**Specialied Pedagogical Core**

- 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: Methods 3
- SCIED-UE.1922 Student Teaching in Science Education: Middle School 3

**Unrestricted Elective**

- 5

**Additional Requirements**

- 0
- SAHS-UE.1 New Student Seminar
- Writing Proficiency Examination