



Department of Teaching & Learning  
SPHY- Teaching Physics 7-12, (B.S.)  
Program of Study  
2019-2020

| Total Units Required                       |   | 128 |
|--|---|-----|
| Liberal Arts Requirements                  |   | 44  |
| <b>College Core Curriculum (CORE)</b>      |   | 28  |
| <b>Foreign Language</b>                    |   | 4   |
| <b>Expository Writing</b>                  |   | 8   |
| EXPOS-UA 1                                 | Writing the Essay   | 4   |
| ACE-UE 110                                 | The Advanced College Essay  | 4   |
| <b>Foundations of Contemporary Culture</b> |   | 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   |
| <b>Quantitative Reasoning</b>              |   | 4   |
| MATH-UA 121                                | Calculus I  | 4   |
| <b>Liberal Arts Elective **</b>            |   | 16  |
| <b>Specialization Requirements</b>         |   | 84  |
| <b>Core Content</b>                        |   | 49  |
| MATH-UA 122                                | Calculus II   | 4   |
| MATH-UA 123                                | Calculus III  | 4   |
| PHYS-UA 71                                 | Introductory Experimental Physics I   | 2   |
| PHYS-UA 72                                 | Introductory Experimental Physics II  | 2   |
| PHYS-UA 73                                 | Intermediate Experimental Physics I   | 2   |
| PHYS-UA 74                                 | Intermediate Experimental Physics II  | 2   |
| PHYS-UA 91                                 | Physics I   | 3   |
| PHYS-UA 93                                 | Physics II  | 3   |
| PHYS-UA 95                                 | Physics III   | 3   |
| PHYS-UA 105                                | Classical and Quantum Waves   | 3   |
| PHYS-UA 106                                | Mathematical Physics  | 3   |
| PHYS-UA 112                                | Advanced Experimental Physics   | 3   |
| PHYS-UA 123                                | Quantum Mechanics   | 3   |
| PHYS-UA 140                                | Thermal and Statistical Physics   | 3   |
| PHYS-UA xxxx                               | Three Physics Electives by Advisement**   | 9   |
| <b>PEDAGOGICAL CORE</b>                    |   | 34  |
| <b>Common Pedagogical Core</b>             |   | 22  |
| 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   |
| 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   |
| <b>Specialized Pedagogical Core</b>        |   | 12  |
| 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   |
| <b>Unrestricted Electives</b>              |   | 1   |
| <b>Additional Requirements</b>             |   |     |
| SAHS-UE 1                                  | New Student Seminar   |     |
|  | Writing Proficiency Examination   |     |

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

\*\* Selected by Advisement

last updated March 9th 2018