## Department of Teaching & Learning SBIO – Teaching Biology 7-12, (B.S.) Program of Study 2019-2020

|  | T-t-lille to Demoire d            | 2019-2020 | 100                             |  |       |
|--|-----------------------------------|-----------|---------------------------------|--|-------|
| Total Units Required Liberal Arts Requirements |                                   | 28        | 128 Specialization Requirements |  | 100   |
| College Core Curriculum (CORE)                 |                                   | 28        | Core Content                    |  | 52    |
| Foreign Language                               |                                   | 4         | Course Number Course Title      |  | Units |
| Expository Writing                             |                                   | 8         | BIOL-UA 11/12                   | Principles of Biology I & II †   | 8     |
| Course Number                                  | Course Title                      | Units     | BIOL-UA 21/22                   | Molecular & Cell Biology I & II †  | 8     |
| EXPOS-UA 1                                     | Writing the Essay                 | 4         | CHEM-UA 125                     | General Chemistry I & Laboratory   | 5     |
| ACE-UE 110                                     | The Advanced College Essay        | 4         | CHEM-UA 126                     | General Chemistry II & Laboratory  | 5     |
| ACE-OE 110                                     | The Advanced College Essay        | 4         | CHEM-UA 225                     |  | 5     |
| Foundations of Con                             | stamparary Cultura                | 40        |                                 | Organic Chemistry I & Laboratory   |       |
| Foundations of Con                             |                                   | 12        | PHYS-UA 11                      | General Physics I  | 5     |
| Course Number                                  | Course Title                      | Units     | BIOL-UA xxxx                    | Four Biology Electives by Advisement**   | 16    |
| CORE-UA xxx/ST-<br>CORE-UE*                    | Texts and Ideas                   | 4         | PEDAGOGICAL CORE                |  | 34    |
| CORE-UA xxx/ST-<br>CORE-UE*                    | Cultures and Contexts             | 4         | Common Pedagogical Core         |  | 22    |
| CORE-UA xxx/ST-<br>CORE-UE*                    | Societies & the Social Sciences** | 4         | Course Number                   | Course Title   | Units |
| Quantitative Reasoning                         |                                   | 4         | SOED-UE 1015 or<br>HSED-UE 610  | Education as a Social Institution or Education and the American Dream: Historical Perspectives                                   | 4     |
| Course Number                                  | Course Title                      | Units     | TCHL-UE 1                       | Inquiries into Teaching and Learning I   | 4     |
| MATH-UA 121                                    | Calculus I                        | 4         | TCHL-UE 5                       | Field Observations in Schools and Other Educational Settings   | 0     |
| *Steinhardt Liberal Arts Core                  |                                   |           | TCHL-UE 1030                    | Language Acquisition and Literacy Education in a<br>Multilingual and Multicultural Context                                       | 4     |
| ** Selected by Advisement                      |                                   |           | TCHL-UE 1999                    | Drug and Alcohol Education/Child Abuse<br>Identification/School Violence Prevention/DASA:<br>Social Responsibilities of Teachers | 1     |
| † These will count as Liberal Arts Courses     |                                   |           | APSY-UE 20                      | Human Development I  | 2     |
|  |                                   |           | APSY-UE 23                      | Human Development II: Early Adolescents and Adolescents  | 2     |
| Curriculum updated January 2020                |                                   |           | 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     |
| File saved January 2020                        |                                   |           | Specialized Pedagogical Core    |  | 12    |
|  |                                   |           | Course Number                   | Course Title   | Units |
|  |                                   |           | 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:<br>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     |
|  |                                   |           | Unrestricted Electives          |  | 14    |
|  |                                   |           | Additional Requirements         |  | 0     |
|  |                                   |           | Course Number                   | Course Title   | Units |
|  |                                   |           | SAHS-UE 1                       | New Student Seminar  |       |
|  |                                   |           |                                 | Writing Proficiency Examination  |       |