**Degree Name:** Secondary Education Minor With a CLAS BIOLOGY Major (BS)  
**Total Credits Required for Degree:** 122

**Major Code:** 914

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course I</th>
<th>Course II</th>
<th>Course III</th>
<th>Course IV</th>
<th>Course V</th>
<th>Course VI</th>
<th>Total Cr./Sem.</th>
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</thead>
</table>
| 1        | FIQWS 100XX  
Freshman Composition | SPCH 11100  
Foundations of Speech Communication | SELF & SOCIETY | MATH 20500  
Elements of Calculus Pre-Req: Placement | NSS 10000  
New Student Seminar | *Foreign Language* (See footnote) | 16 |
| 2        | ENGL 21003  
Writing for the Sciences Pre Req: Eng Comp | GLOBAL HIST/CULT (CG) | LITERARY (L) | BIO 10100  
Biological Foundations, I Pre-Req: Math 20500 | MATH 20900  
Elements of Calculus & Statistics | 16 |
| 3        | LOGICAL/ PHIL (LP) | CHEM 10301  
General Chemistry I | PHYS 20300  
General Physics I | BIO 10200  
Biological Foundation II Pre-Req: “C” in BIO 10100 | ARTISTIC (A) | 18 |
| 4        | CHEM 10401  
General Chemistry, II Pre-Req: Chem 103 | BIO 20600  
Intro to Genetics Pre-Req: BIO 101 & 102 | PHYS 20400  
General Physics, II | U.S. SOCIETY (US) | 15 |
| 5        | ADV BIO ELECT | BIO 22800  
Ecology & Evolution Pre-Req: BIO 206 | ADV BIO ELECT | EDUC 20500  
Adolescent Learning & Development (Includes fieldwork) | 15 |
| 6        | ADV BIO ELECT | BIO 22900  
Cell & Molecular Bio | ADV BIO ELECT | EDUC 32500  
Special Issues for Secondary Schools (Includes fieldwork) | 14 |
| 7        | EDSE 45103  
Curriculum Development in Sec Science (Includes fieldwork) | ADV BIO ELECT | EDSE 44300  
Methods of Teaching Sec Science (Includes fieldwork) | EDLS 320000  
Introduction to Inclusive Education (Includes Fieldwork) | 15 |
| 8        | EDSE 41900  
Education Seminar | EDSE 46300  
Student Teaching & Seminar | ADV BIO ELECT | EDSE 41200  
Teaching Reading, & Writing in Sec. Schools | 13 |

This grid can be used for any of CLAS majors with a minor in Education. Just replace Science courses with those needed for you major e.g. Earth Science, Physics, Chemistry, (B.S.), and Social Studies, English, Math (B.A.).
This 8-Semester plan does not replace your one-to-one advisement session with your School of Education faculty advisor. 
Advisement appointments are scheduled through the School of Education Office of Admissions & Student Services, NA 3/223A or by calling (212) 650-5316 for the first three terms. After which, ECE students must transfer to the CWE campus to begin the process of major declaration. 
Advisement for the CLAS major is done consultation with the SOE faculty advisor; only three choices are available in the ECE track. 
Revisions to CORE may affect the above plan. Your SOE Advisor will make adjustments as needed during your one-to-one session.

*Foreign Language Requirement*
Candidates in the Early Childhood Education Program with less than two years of a foreign language will fulfill the requirement at City College.
Placement is determined by the Foreign Language Department.

**STUDENT CHECKPOINTS – MAJORS**

0-30cr. Checkpoint
- Begin CORE classes
- Review requirements for the major in Bilingual Childhood Education
- Apply to the School of Education

30-45cr. Checkpoint
- Continue CORE classes
- Introductory Education course(s) may be attempted
- Preparation for the School of Education Admissions Test (SEAT) begins
- Preparation for major declaration (Application, SEAT, GPA, Interview, 45cr. with at least 12cr. at CCNY - 3cr. of which should be in EDUC)
- Review CLAS Major/Concentration choices with faculty advisor

45-60cr. Checkpoint
- School of Education Admissions Test passed. GPA is 2.5 or higher
- Interview to declare major successfully completed
- EDUC Major and CLAS Major/Concentration formally declared
- Preparation for NYS certification examination - Liberal Arts and Sciences Test (LAST). NAC 3/226 for workshop information

60-80cr. Checkpoint
- Complete CORE requirements
- Continue coursework in EDUC
- Continue coursework in the CLAS Major/Concentration
- Initial graduation audit
- Pass NYSTCE LAST examination. Report scores to NA 3/223A
- Preparation for NYS certification examination - Content Specialty Test - Multi Subject (CST). NA 3/226 for workshop information

80-100cr. Checkpoint
- Continue coursework in EDUC
- Continue coursework in the CLAS Major/Concentration

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Official Graduation audit required to determine eligibility for Student Teaching
Pass NYSTCE CST examination. Report scores to NA 3/223A

100-125cr. Checkpoint

Continue coursework in EDUC
Preparation for NYS certification examination Assessment of Teaching Skills - Written (ATS-W) - Go to NA 3/226 for workshop information

Continue coursework in the CLAS Major/Concentration
Apply for Student Teaching the semester preceding Student Teaching. Go to the Field Experiences Office for an application. The experience is undertaken in the final semester at CCNY.
Pass NYSTCE ATS-W. Report scores to NA 3/223A
Apply for graduation. Most students apply at beginning of their final semester, but well before the dates below:
March 1st for June graduates; July 1st for September graduates; November 1st for February graduates

This grid can be used for any of CLAS majors with a minor in Education. Just replace Science courses with those needed for you major e.g. Earth Science, Physics, Chemistry, (B.S.), and Social Studies, English, Math (B.A.).