**Degree Name:** B.S. in Chemistry Secondary Education  
**Total Credits Required for Degree:** 120  
**Major Code:** 446  
**Concentration Code:** 121

### ADDITIONAL REQUIREMENTS

1. Chemistry majors must maintain a **C** average in Chemistry courses. No courses beyond *General Chemistry* may be taken unless...
3. **Biology elective:** Bio 20600 or 22900 or 35000.

4. **Highly recommended:**
   - **Math 39100**, Differential Equations, 3 cr. **before** taking Chem. 33000.
   - Bio 22900, Cell and Molecular Biology 4 cr. (The prerequisite for Bio. 22900 is Bio. 20600 but Biochemistry majors can obtain an exemption from taking Bio. 20600 by getting a waiver from the Chair of the Biology Department).
   - Chemistry research is expected of all students with a GPA of 2.5 or greater.

5. **SPE Requirements:** Students must pass the Speech Proficiency Examination or take Speech 11100 (or take Speech 00308 if seek student).

6. **Perspective courses:** These are liberal art courses divided into 6 categories. The categories are Artistic, Global history and Cultural, Literary, Logical-Philosophical, Self and Society, and United States Society. Five courses are required and each course must be from a different category.

7. **Graduation Requirements:** Minimum number of credits required for the degree is 120. Minimum GPA of 2.00 for all coursework taken at CCNY. Minimum GPA of 2.00 in Chemistry courses.

**Notes**
- 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 CHECK POINTS – 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
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