

Lehman College
School of Education
Advising Worksheet (rev1.Sept2018)
PROGRAM/CERTIFICATION REQUIREMENTS
Department of Middle and High School Education

Student _____ CUNYFirst ID#: _____

Contact Phone Number: _____

Program: M.S. Science Education/Advanced Certificate Science Education

Steps in the Program

Decision Point 1: Admission to Program-

- M.S. candidates:
 - Possess a bachelor's degree (or its equivalent) from an accredited college or university with an overall index of 3.0 in the undergraduate major and a cumulative Grade Point Average of 3.0 in undergraduate work.
 - If conditionally accepted, candidate must earn 3.0 or above in courses designated by the Program Coordinator. Student with undergrad GPA below 3.0 may apply for GPA waiver. Please discuss the GPA waiver option with the program advisor.
 - If you have an undergraduate degree was award by an institution outside the United States, you will be asked by admissions to supply a transcript and transcript translation and validation.
- Advanced Certificate Candidates:
 - This program is designed for candidates who already possess a bachelor's and a master's or terminal degree in biology, environmental science, chemistry, geology, physics or other related science and who seek New York State Education Department (NYS Ed) initial certification in one of the following content areas: biology, chemistry, earth science, and physics, Grades 7-12.
- Demonstrate the ability to successfully pursue graduate study.
- Submission of Graduate Record Examination (GRE) General Test
- Submission of scores on the and the NYS Ed Content Specialty Test (CST) are recommended. You should consult a program adviser before registering to take the CST. The CST is not used as an admission test. It is used strictly for advisement purposes. The CST is required for NYS Initial Certification in a Secondary Science Subject Area.
- For Sequence 1: Applicants must possess NYSEd initial certification
Admission: An undergraduate science major or the equivalent and a minor in middle and high school education or the equivalent. (Above- average achievement in academic work and initial certification, demonstrate above-average achievement in the teaching specialization is required). Additional content courses may be required for students who do not possess initial certification in a science CST area or for individuals seeking certification in a second science CST area to meet required competency and NYS Ed initial certification requirement.
- For Sequences 2 and 3. Admission: At least 36 credits in biology, chemistry, geology, or physics. Students that enter under conditional acceptance may have to take additional courses to meet required competency and NYS Ed initial certification requirement.
- Matriculants may be asked to complete undergraduate and/or graduate prerequisite coursework in addition to

degree requirements, based on the evaluation of their credentials by an advisor in the Science Education Program.

- Satisfy appropriate voice, speech, and health standards.
- Submit two letters of recommendation, at least one of which is from a college or university science instructor. The other recommendation should be a professional recommendation.
- A 500-word essay on career goals.
- Personal interview.

Decision Point 2: Enrollment in Student Teaching/Internship

Applicants must:

1. Meet the following GPA requirements: Minimum overall GPA 3.0 (with grades of B or better in ESC 519 and ESC 770).
2. Have taken all required written teacher certification exams: Content Specialty Test, Educating All Students Test.
3. Have met with an advisor to make sure all prerequisites have been fulfilled.
4. Submit a complete student teaching or teaching internship application.
 - Applications are due between March 1st and April 1st for fall student teaching/teaching internship.
 - Applications are due between October 1st and November 1st for spring student teaching/teaching internship.
 - All applications require signature from School of Education program coordinator or advisor.
 - Undergraduate student teaching application also requires a signature from a major program advisor.
 - Student teaching applicants also need to submit negative tuberculosis skin test results (from the past 12 months) or a negative chest x-ray (for those who have ever had a positive tuberculosis skin test—x-ray must be from the past 5 years).
 - Register and validate for student teaching/teaching internship course(s).
 - Attend the student teaching orientation at the beginning of the student teaching semester.
 - Applicants for student teaching must pass a criminal background check

Decision Point 3: Exit Requirements

- Applicants must submit the following:

Complete a New York State Approved Teacher Preparation Program:

Must successfully complete a supervised student teaching or internship course with a grade of B or better, if seeking an institutional recommendation.

Meet all liberal arts and sciences requirements:

The [Certification Officer](#) reviews your file (and all transcripts) in order to determine whether or not you have completed all of the required course work.

Take and earn passing scores on all required NYS Certification Exams (including the edTPA)

Complete the following mandated workshops that are offered by the Lehman College Office of Continuing Education:

- Child Abuse
- School Violence
- DASA

Fingerprinting

You will need fingerprint clearance for New York State Certification. For more information please visit the

NYSED website at <http://www.highered.nysed.gov/tcert/ospra/>

Please note: Lehman College’s School of Education offers fingerprinting on-site twice a year for all student teachers. All student teachers need fingerprint clearance from either the New York City Department of Education or the New York State Education Department before the start of their student teaching experience. Any student teaching applicant who has not been fingerprinted will have an opportunity to do so on campus the semester prior to their student teaching course. **For additional information, please contact Elvani Pennil, Coordinator of the Professional Development Network, at elvani.pennil@lehman.cuny.edu.**

All applicants must create a NYSED TEACH account to apply for certification. Visit the NYSED at <http://www.highered.nysed.gov/tcert/teach/> for more information.

For questions and assistance with certification, contact the Teacher Certification Office at 718 960-8401.

General Education Core: Liberal Arts and Sciences Requirements

Requirement	Course(s) Taken *	Credits Still Required
Concepts in history and social sciences (6)		
Scientific processes (6)		
Mathematical processes (6)		
English (6)		
A language other than English (1 year)		

*Courses must be completed at the 100 level or higher with grades of C or higher.

Graduate Courses: Degree Requirements

See Plan of Study (attached).

I have met with this candidate to discuss program/ certification requirements:

____ Program Coordinator
____ Certification Officer
____ Other

I have been advised about the courses that I need to complete my program and certification

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Candidate

Date: _____

Cc: Candidate
Department
Office of the Dean, School of Education

Fall Semester, 2018

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Science Education Graduate Program Sequences

Note: In all sequences, students must enroll in course sections designated for science education students, except for ESC 501, ESC 502, ESC 529 and science content courses. Please consult your advisor for information about the course sections sponsored by the science education program.

Sequence 1: (33-36 credits)

1. Core Education Sequence (3-6 credits): ESC 529 (3) Based on program coordinator's assessment of prior experience and qualification, candidates may also be required to take ESC 519 (3)
2. Curriculum and Instruction (12 credits): ESC 506 (3), ESC 755(3) or ESC 595 (3), ESC 767 (3), ESC 770 (3)
3. Research and Culmination Projects (6 credits): ESC 705 (3), and ESC 706 (1) and ESC 707 (2) or ESC 705 (3) and ESC 708 (3)
4. Science Content (12 credits): Science content course requirements must align with undergraduate science preparation and with intended certification subject area. Candidates must complete requirements listed in one of the following science content areas. Consult with an adviser in the Science Education Program for the appropriate course(s) to satisfy this requirement.

* Biology: BIO 501, BIO 502, BIO 618

* Chemistry: CHE 542, CHE 544, CHE 548

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* Geology: GEO 501, GEO 502, GEO 503

* Physics: PHY 601, AST 601, AST 602

Sequence 2: (41-48 credits)

1. Core Education Sequence (15-18 credits): ESC 501 (3), ESC 502 (3), ESC 519 (3), ESC 529 (3), ESC 596 (3) and ESC 612 (3)

2. Curriculum and Instruction (12 credits): ESC 506 (3), ESC 755 (3), ESC 767 (3), ESC 770 (3)

3. Research and Culmination Projects (6 credits): ESC 705 (3), ESC 706 (1), ESC 707 (2) or ESC 705 (3) and ESC 708 (3)

4. Science Content (8-12 credits): Science content course requirements must align with undergraduate science preparation and with intended certification subject area. Candidates must complete requirements listed in one of the following science content areas. Consult with an adviser in the Science Education Program for the appropriate course(s) to satisfy this requirement.

* Biology: BIO 501 and BIO 502 or BIO 618,

* Chemistry: CHE 542 and CHE 544 or CHE 548

* Geology: GEO 501 and GEO 502 or GEO 503

* Physics: PHY 601 and AST 601 or AST 602

Sequence 3: (36 credits)

1. Core Education Sequence (9 credits): ESC 501 (3), ESC 502 (3), ESC 519 (3)
2. Curriculum and Instruction (13 credits): ESC 506 (3), ESC 536 (3), ESC 767 (3), ESC 770 (3), ESC 789 (1)
3. Research and Culmination Projects (6 credits): ESC 705 (3) and ESC 708 (3)
4. Science Content (8): Science content course requirements must align with undergraduate science preparation and with intended certification subject area. Candidates must complete requirements listed in one of the following science content areas. Consult with an adviser in the Science Education Program for the appropriate course(s) to satisfy this requirement.

* Biology: BIO 501 and BIO 502 or BIO 618 or BIO 503

* Chemistry: CHE 542 and CHE 544 or CHE 548

* Geology: GEO 501 and GEO 502 or GEO 503

* Physics: PHY 601, PHY 605 and AST 601 or AST 602

Advanced Certification Sequence: (21-24 credits)

1. Core Education Sequence (15 -18 credits): ESC 501 (3), ESC 502 (3), ESC 529 (3), ESC 519 (3), ESC 506 (3) AND ESC 596 (3) or ESC 612 (3)
2. Curriculum and Instruction (3 credits selected from the following courses): ESC 767 (3), ESC 770 (3)