

Lehman College
School of Education
Advising Worksheet
PROGRAM/CERTIFICATION REQUIREMENTS
Department of Middle and High School Education

Student _____ ID# _____

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 2.7 in undergraduate work. If conditionally accepted, candidate must earn 3.0 in courses designated by the Program Coordinator.
- Advanced Certificate Candidates:
 - This program is designed for candidates who already have a bachelor's and a master's or terminal degree in biology, environmental science, chemistry, geology, or physics and who seek New York State 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 scores on the New York State Liberal Arts and Science Test (LAST) or the Academic Literacy Skills Test (ALST) and the Content Specialty Test (CST).
- For Sequence 1
 - 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 or the equivalent in science, demonstrate above-average achievement in the teaching specialization is required).
 - For Sequence 2 and 3c Admission: At least 36 credits in biology, chemistry, geology, or physics.
- 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.
- 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, Academic Literacy Skills Test (on or after 5/1/2014), Educating All Students Test (on or after 5/1/2014).
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.

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)

Note: Candidates who apply for certification on or after May 1, 2014 will be required to take the Academic Literacy Skills Test, edTPA (Teacher Performance Assessments), Educating All Students Test, and Revised Content Specialty Test in lieu of Liberal Arts and Sciences Test (LAST), Assessments of Teaching Skills-Written (ATS-W), and Content Special Test (CST). Candidates who applied for certification on or before April 30, 2014 but did not meet all the requirements for an initial certificate on or before April 30, 2014, will also be required to pass the Teacher Performance Assessment (edTPA), Educating All Students test (EAS), Academic Literacy Skills Test (ALST), and Content Specialty Test (CST). Please visit the New York State Teacher Certification Examinations website for most updated information about the new tests at http://www.nystce.nesinc.com/NY_annProgramUpdate.asp.

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

- Child Abuse
- School Violence

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

Candidate

Date: _____

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

Spring Semester, 2013

Science Education Graduate Program Sequences

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), 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 (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
- * 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), AND ESC 595 (3) or ESC 596 (6)
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 706 (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 755 (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,

* 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

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 595 (3) or ESC 596 (6)
2. Curriculum and Instruction (6 credits selected from the following courses): (3), ESC 755 (3), ESC 767 (3), ESC 770 (3)