

**LEHMAN COLLEGE
OF THE
CITY UNIVERSITY OF NEW YORK**

DEPARTMENT OF MIDDLE AND HIGH SCHOOL EDUCATION

Curriculum Change

Name of Program and Degree Award: Undergraduate Secondary Teacher Education
Program Requirements (Art, English, Foreign Language, Mathematics, Science and Social Studies), Minor

Hegis Number: Art 1002; English 1501; Foreign Language 1105; Health 0837; Mathematics 1701; Biology 0401; Chemistry 1905; Geology 1914; Physics 1902; Social Studies 2205
Program Code: Art 25929; English 25935; Foreign Language 25938; Health 25952; Mathematics 25939; Biology 25940; Chemistry 25941; Geology 32668; Physics 25942; Social Studies 31964

Effective Date: Spring 2021

1. **Type of Change:** Title, Requirements

2. **From:**

Undergraduate Secondary Teacher Education Program Requirements (Art, English, Foreign Language, Mathematics, Science and Social Studies), Minor

The Middle and High School Education Minor is open to all Lehman students. The minor consists of four courses: ESC 301, ESC 302, ESC 429, and a fourth ESC course chosen in consultation with the education adviser. A student may graduate with the Minor, or may continue beyond with the Certification Sequence leading to New York State grades 7-12 teacher certification¹.

Students aspiring to the Certification Sequence must declare a specific major in art, English, math, science, history, Spanish, French, or Italian together with a minor in Middle and High School Education.

MHSE Minor (12-13 credits)

The Minor presents an opportunity for all Lehman students to engage with the issues, knowledge and skills of teaching and learning in urban middle and high schools, but does not grant a teaching credential.

		Credits
ESC 301	Psychological Foundations of Middle and High School	3
ESC 302	Social Foundations of Education: A Multicultural Perspective	3

ESC 429	Language and Literacies Acquisition in Secondary Education	3
ESC 463	Special Needs Education: The Identification Instruction & Assessment Special Needs Population Middle & HS	3

Or

A teaching methods course ESC 410-ESC 462 (4 credits) for art¹ , English² , foreign language³ , math⁴ , science⁵ , and social studies⁶

Students who wish to earn New York State 7-12 certification¹ must additionally qualify for, and then complete the Certification Sequence.

The Certification Sequence (12-16 credits)

Entrance

In order to continue beyond the Minor and into the Certification Sequence as a teacher candidate, the student must meet the following criteria:

1. Enter the Certification Sequence with a minimum overall GPA of 3.0;
2. Complete half of the major courses; and
3. Submit the Declaration of Academic Plan and Sub-plan (Leading to Teacher Certification) to the education adviser.

Continuation

Teacher candidates must maintain a minimum overall GPA of 3.0.

The Certification Sequence comprises five additional ESC courses in methods, fieldwork and student teaching.

Teaching Methods and/or Special Needs Students

In consultation with the education adviser, candidates who completed ESC 463 as part of the minor will select two method courses in their content areas. If they have not, they will select ESC 463 and their remaining method course:

ESC 463 (3 credits) Special Needs Education

Art methods: ESC 414 (3 credits) and DEC 436 (3 credits)

English methods: ESC 410 (2 credits) and ESC 422 (3 credits)

Foreign language methods: ESC 462 (2 credits) and ESC 424 (3 credits)

Math methods: ESC 4480 (2 credits) and ESC 432 (3 credits)

Science methods: ESC 467 (2-credits) and ESC 419 (3 credits)

Social studies methods: ESC 433 (3 credits) and ESC 434 (3 credits)

~~ESC 477 (1 credit) Fieldwork in Secondary Schools II~~

Student Teaching Experience and Seminar

Before entering the student teaching experience, candidates should submit passing scores from the EAS (Educating All Students) and CST (Content Specialty Test) certification tests.

		Credits
ESC 470	Student Teaching in the Middle and High School Grades	3
ESC 471	Student Teaching Seminar	3

Exit

In addition to completing the above ESC course requirements, the candidate must complete the following additional requirements to exit the program and receive Lehman College's recommendation for New York State Teacher Certification:

1. All candidates seeking New York State Teacher Certification must have a minimum of 6 credits (two college-level courses) in each of the following four Liberal Arts and Science subject areas: Mathematical Processes, Scientific Processes, Concepts in Historical and Social Sciences, and English/Literature.
2. Complete two semesters of college-level study of a language other than English.
3. Complete three State-mandated workshops on (a) Child Abuse Identification and Reporting; (b) School Violence Intervention and Prevention; and (c) Dignity for All Students Act (DASA).
4. Foreign language candidates must complete courses 3180 and 3190 in their language majors, and pass the ACTFL OPI (oral proficiency interview).
5. Social studies teacher candidates must additionally complete 3-credit courses (for a total of 24 credits) with grades of C or better in each of the following social science disciplines: Anthropology, Economics, European or World History, Geography, Political Science, Psychology, Sociology, and U.S. History.

*The Health program has been discontinued and will not accept future applicants.

3. To:

Undergraduate Secondary Teacher Education Program Minor and Certification Requirements (Art, English, Foreign Language, Mathematics, Science and Social Studies), Minor

The Middle and High School Education Minor is open to all Lehman students. The minor consists of four courses: ESC 301, ESC 302, ESC 429, and a fourth ESC course chosen in consultation with the education adviser. A student may graduate with the Minor, or may continue beyond with the Certification Sequence leading to New York State grades 7-12 teacher certification¹.

Students aspiring to the Certification Sequence must declare a specific major in art, English, math, science, history, Spanish, French, or Italian together with a minor in Middle and High School Education.

MHSE Minor (12-13 credits)

The Minor presents an opportunity for all Lehman students to engage with the issues, knowledge and skills of teaching and learning in urban middle and high schools, but does not grant a teaching credential.

		Credits
ESC 301	Psychological Foundations of Middle and High School	3
ESC 302	Social Foundations of Education: A Multicultural Perspective	3
ESC 429	Language and Literacies Acquisition in Secondary Education	3
ESC 463	Special Needs Education: The Identification Instruction & Assessment Special Needs Population Middle & HS	3

Or

A teaching methods course from ESC 410 to ESC 462 (3 or 4 credits) for art¹ , English² , foreign language³ , math⁴ , science⁵ , and social studies⁶

Students who wish to earn New York State 7-12 certification must additionally qualify for, and then complete the Certification Sequence.

The Certification Sequence (12-16 credits)

Entrance

In order to continue beyond the Minor and into the Certification Sequence as a teacher candidate, the student must meet the following criteria:

1. Enter the Certification Sequence with a minimum overall GPA of 3.0;
2. Complete half of the major courses; and
3. Submit the Declaration of Academic Plan and Sub-plan (Leading to Teacher Certification) to the education adviser.

Continuation

Teacher candidates must maintain a minimum overall GPA of 3.0.

The Certification Sequence comprises five additional ESC courses in methods, fieldwork and student teaching.

Teaching Methods and/or Special Needs Students

In consultation with the education adviser, candidates who completed ESC 463 as part of the minor will select two method courses in their content areas. If they have not, they will select ESC 463 and their remaining method course:

ESC 463 (3 credits) Special Needs Education

Art methods: ESC 414 (3 credits) and DEC 436 (3 credits)

English methods: ESC 410 (3 credits); and ESC 422 (3 credits) and ESC 476 (1 credit)

Foreign language methods: ESC 462 (3 credits); and ESC 424 (3 credits) and ESC 476 (1 credit)

Math methods: ESC 448 (3 credits); and ESC 432 (3 credits) and ESC 476 (1 credit)

Science methods: ESC 467 (3 credits); and ESC 419 (3 credits) and ESC 476 (1 credit)

Social studies methods: ESC 433 (3 credits) and ESC 476 (1 credit); and ESC 434 (3 credits)

Student Teaching Experience and Seminar

Before entering the student teaching experience, candidates should submit passing scores from the EAS (Educating All Students) and CST (Content Specialty Test) certification tests.

		Credits
ESC 470	Student Teaching in the Middle and High School Grades	3
ESC 471	Student Teaching Seminar	3

Exit

In addition to completing the above ESC course requirements, the candidate must complete the following additional requirements to exit the program and receive Lehman College's recommendation for New York State Teacher Certification:

1. All candidates seeking New York State Teacher Certification must have a minimum of 6 credits (two college-level courses) in each of the following four Liberal Arts and Science subject areas: Mathematical Processes, Scientific Processes, Concepts in Historical and Social Sciences, and English/Literature.
2. Complete two semesters of college-level study of a language other than English.
3. Complete three State-mandated workshops on (a) Child Abuse Identification and Reporting; (b) School Violence Intervention and Prevention; and (c) Dignity for All Students Act (DASA).
4. Foreign language candidates must complete courses 3180 and 3190 in their language majors, and pass the ACTFL OPI (oral proficiency interview).
5. Social studies teacher candidates must additionally complete 3-credit courses (for a total of 24 credits) with grades of C or better in each of the following social science disciplines: Anthropology, Economics, European or World History, Geography, Political Science, Psychology, Sociology, and U.S. History.

*The Health program has been discontinued and will not accept future applicants.

4. Rationale:

The description contains errors and discrepancies among the pages describing the same parts of the minor and certification process. These changes include (1) amending the title to reflect the minor and certification sequence; (2) deleting ESC 477, which had been deleted in a prior change but not from this section; and (3) correcting the credit amounts associated with each course.

5. **Date of departmental approval:** February 27, 2020

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DEPARTMENT OF MIDDLE AND HIGH SCHOOL EDUCATION

Curriculum Change

Hegis Nंबर: Art 1002; English 1501; Foreign Language 1105; Health 0837; Mathematics 1701; Biology 0401; Chemistry 1905; Geology 1914; Physics 1902; Social Studies 2205
Program Code: Art 25929; English 25935; Foreign Language 25938; Health 25952; Mathematics 25939; Biology 25940; Chemistry 25941; Geology 32668; Physics 25942; Social Studies 31964

1. **Type of Change:** Eliminate Duplicate Information

2. **From:**

~~Teacher Education Programs in Middle and High School Education~~

~~Students cannot major in education. Students major in the appropriate academic or special subject, complete the 12-credit minor shown below, and, if they wish to become certified as a teacher, continue on to complete one of the teacher certification sequences outlined below. Students should consult with the undergraduate advisor in the Department of Middle and High School Education to be placed in the appropriate sequence. Students may complete the minor without continuing in the teacher certification sequence.~~

~~Teacher Certification~~

~~College and State-approved sequences have been designed for students seeking certification in the academic subject areas of English, foreign language, mathematics, science, and social studies, and for students in other subject areas. Teacher certification and licensure are carried out by the New York State Education Department. The public schools of the City of New York have requirements beyond those required for State certification. At both the State and City levels, certification requirements are subject to change without notice. The information about certification contained in this Bulletin is the most up-to-date available at press time, but may become obsolete after publication. It is the responsibility of the student to consult periodically with a departmental adviser about the latest certification requirements.~~

~~Notes: Changes in program requirements designated by the New York State Education Department for Teacher, Counselor, and/or Administrator certifications occur from time to time. As such, students are advised to consult the Office of Teacher Certification, Room B-33 of Carman Hall, to determine the most current program requirements for certification. Students not seeking an institutional recommendation but who intend to apply independently for certification should consult with a Departmental adviser prior to registration so that a course of study fulfilling State requirements may be planned. New York State may at some point end the independent transcript review route to certification. Students should consult the New York State Education Department website for updates or~~

may check with the Division of Education's Certification Officer to determine if a change in this policy has been adopted.

Entrance, Continuation, and Exit Conditions for the Certification Sequence

The Certification Sequence (13-16 credits)

Entrance

In order to continue beyond the Minor and into the Certification Sequence as a teacher candidate, the student must meet the following criteria:

1. Enter the Certification Sequence with a minimum overall GPA of 3.0;
2. Complete half of the major courses; and
3. Submit the Declaration of Academic Plan and Sub-plan (Leading to Teacher Certification) to the education adviser.

Continuation

Teacher candidates must maintain a minimum overall GPA of 3.0 and achieve a passing score on the Academic Skills and Literacy Test (ALST).

The Certification Sequence comprises four additional ESC courses¹, two in teaching methods and two in the Student Teaching Experience.

Teaching Methods and/or Special Needs Students

A teaching methods course **ESC 410-ESC 462** (4 credits) for art¹, English², foreign language³, math⁴, science⁵, and social studies⁶ and/or **ESC 463** (3 credits) Special Needs Education.

ESC 410-ESC 462 (4 credits) teaching methods for art¹, English², foreign language³, math⁴, science⁵, and social studies⁶

Student Teaching Experience and Seminar

Before entering the student teaching experience, candidates should submit passing scores from the EAS (Educating All Students) and CST (Content Specialty Test) certification tests.

ESC 470	Student Teaching in the Middle and High School Grades	3
ESC 471	Student Teaching Seminar	3

Exit

In addition to completing the above ESC course requirements, the candidate must complete the following additional requirements to exit the program and receive Lehman College's recommendation for New York State Teacher Certification:

1. All candidates seeking New York State Teacher Certification must have a minimum of 6 credits (2 college-level courses) in each of the following four Liberal Arts and Science subject areas: Mathematical Processes, Scientific Processes, Concepts in Historical and Social Sciences, and English/Literature.
2. Complete two semesters of college-level study of a language other than English.
3. Complete three State-mandated workshops on (a) Child Abuse Identification and Reporting; (b) School Violence Intervention and Prevention; and (c) Dignity for All Students Act (DASA).
4. Foreign language candidates must complete courses 3180 and 3190 in their language majors, and pass the ACTFL OPI (oral proficiency interview).

~~5. Social studies teacher candidates must additionally complete 3-credit courses (for a total of 24 credits) with grades of C or better in each of the following social science disciplines: Anthropology, Economics, European or World History, Geography, Political Science, Psychology, Sociology, and U.S. History.~~

~~¹ Art candidates earn K-12 certification, and therefore complete **DEC 436** (3 credits), **ESC 414** (4 credits), and one additional ESC course in consultation with the education adviser.~~

~~² English candidates complete **ESC 410** and **ESC 422**.~~

~~³ Foreign language candidates complete **ESC 424** and **ESC 462**.~~

~~⁴ Math candidates complete **ESC 432** and **ESC 4480**.~~

~~⁵ Science candidates complete **ESC 419** and **ESC 467**.~~

~~⁶ Social studies candidates complete **ESC 433** and **ESC 434**.~~

~~*The Health program has been discontinued and will not accept future applicants.~~

Certification Sequence

*Program Requirements for Undergraduate Secondary Teacher Education (Art, English, Foreign Language, Mathematics, Science, and Social Studies)**

The Certification Sequence (13-16 credits)

Entrance

In order to continue beyond the Minor and into the Certification Sequence as a teacher candidate, the student must meet the following criteria:

- ~~1. Enter the Certification Sequence with a minimum overall GPA of 3.0;~~
- ~~2. Complete half of the major courses; and~~
- ~~3. Submit the Declaration of Academic Plan and Sub-plan (Leading to Teacher Certification) to the education adviser.~~

Continuation

Teacher candidates must maintain a minimum overall GPA of 3.0 and achieve a passing score on the Academic Literacy Skills Test (ALST).

The Certification Sequence comprises four additional ESC courses (13 credits)¹: two (7 credits) in teaching methods and two (6 credits) in the Student Teaching Experience.

Teaching Methods and/or Special Needs Students

A teaching methods course **ESC 410-462** (4 credits) for art¹, English², foreign language³, math⁴, science⁵, and social studies⁶ and/or **ESC 463** (3 credits) Special Needs Education.

Student Teaching Experience and Seminar

Before entering the student teaching experience, candidates should submit passing scores from the EAS (Educating All Students) and CST (Content Specialty Test) certification tests.

ESC 470	Student Teaching in the Middle and High School Grades	3
ESC 471	Student Teaching Seminar	3

Exit

In addition to completing the above ESC course requirements, the candidate must complete the following additional requirements to exit the program and receive Lehman College's recommendation for New York State Teacher Certification:

- ~~1. All candidates seeking New York State Teacher Certification must have a minimum of 6 credits (2 college-level courses) in each of the following four Liberal Arts and~~

~~Science subject areas: Mathematical Processes, Scientific Processes, Concepts in Historical and Social Sciences, and English/Literature.~~

~~2. Complete two semesters of college-level study of a language other than English.~~

~~3. Complete three State-mandated workshops on (a) Child Abuse Identification and Reporting; (b) School Violence Intervention and Prevention; and (c) Dignity for All Students Act (DASA).~~

~~4. Foreign language candidates must complete courses 3180 and 3190 in their language majors, and pass the ACTFL OPI (oral proficiency interview).~~

~~5. Social studies teacher candidates must additionally complete 3-credit courses (for a total of 24 credits) with grades of C or better in each of the following social science disciplines: Anthropology, Economics, European or World History, Geography, Political Science, Psychology, Sociology, and U.S. History.~~

~~¹ Art candidates earn K-12 certification, and therefore complete **DEC 436** (3 credits), **ESC 414** (4 credits), and one additional ESC course in consultation with the education adviser.~~

~~² English candidates complete **ESC 410** and **ESC 422**.~~

~~³ Foreign language candidates complete **ESC 424** and **ESC 462**.~~

~~⁴ Math candidates complete **ESC 432** and **ESC 4480**.~~

~~⁵ Science candidates complete **ESC 419** and **ESC 467**.~~

~~⁶ Social studies candidates complete **ESC 433** and **ESC 434**.~~

~~*The Health program has been discontinued and will not accept future applicants.~~

3. **To:**

4. **Rationale (Explain how this change will impact learning goals and objectives of the department and Major/Program):**

This information is redundant and already reflected in the other link.

5. **Date of departmental approval:** February 27, 2020

**LEHMAN COLLEGE
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DEPARTMENT OF MIDDLE AND HIGH SCHOOL EDUCATION

CURRICULUM CHANGE

1. **Type of Change:** Course Number

2. **From:** ~~Strike through~~ the changes

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate <input type="checkbox"/> Graduate
Academic Level	<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Compensatory <input type="checkbox"/> Developmental <input type="checkbox"/> Remedial
Subject Area	Education
Course Prefix & Number	ESC 4480
Course Title	Teaching Problem Solving in Mathematics in Middle and High School
Description	Introduction and application of heuristic techniques to facilitate mathematical problem solving in Grades 7-12; use of technology as a problem solving tool; assessment. Problems will be analyzed on both teacher and pupil levels.
Pre/ Co Requisites	
Credits	3
Hours	3
Liberal Arts	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Course Attribute (e.g. Writing Intensive, WAC, etc)	
General Education Component	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Required <input type="checkbox"/> English Composition <input type="checkbox"/> Mathematics <input type="checkbox"/> Science

	<input type="checkbox"/> Flexible <input type="checkbox"/> World Cultures <input type="checkbox"/> US Experience in its Diversity <input type="checkbox"/> Creative Expression <input type="checkbox"/> Individual and Society <input type="checkbox"/> Scientific World
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3. **To:** Underline the changes

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate <input type="checkbox"/> Graduate
Academic Level	<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Compensatory <input type="checkbox"/> Developmental <input type="checkbox"/> Remedial
Subject Area	Education
Course Prefix & Number	ESC 448
Course Title	Teaching Problem Solving in Mathematics in Middle and High School
Description	Introduction and application of heuristic techniques to facilitate mathematical problem solving in Grades 7-12; use of technology as a problem solving tool; assessment. Problems will be analyzed on both teacher and pupil levels.
Pre/ Co Requisites	
Credits	3
Hours	3
Liberal Arts	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Course Attribute (e.g. Writing Intensive, WAC, etc)	
General Education Component	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Required <input type="checkbox"/> English Composition <input type="checkbox"/> Mathematics <input type="checkbox"/> Science <input type="checkbox"/> Flexible <input type="checkbox"/> World Cultures

	<input type="checkbox"/> US Experience in its Diversity <input type="checkbox"/> Creative Expression <input type="checkbox"/> Individual and Society <input type="checkbox"/> Scientific World
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4. **Rationale (Explain how this change will impact the learning outcomes of the department and Major/Program):**

We propose changing the course number to three digits to be consistent across the Department.

5. **Date of departmental approval:** February 27, 2020.